

# TRACTATENBLAD

VAN HET

KONINKRIJK DER NEDERLANDEN

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JAARGANG 2009 Nr. 20

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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 rubriek 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 en rubriek B van *Trb.* 2007, 111.

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*Radioreglement, WRC-07*

Het Radioreglement is herzien tijdens de Mondiale Radio Communicatie Conferentie die werd gehouden te Genève van 22 oktober tot 16 november 2007. 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

**Final Acts WRC-07****World Radiocommunication Conference (Geneva, 2007)****International Telecommunication Union**

## Preamble

The World Radiocommunication Conference (Geneva, 2003) resolved, by Resolution **802 (WRC-03)**, to recommend to the ITU Council that a World Radiocommunication Conference be held in 2007 for a period of four weeks.

At its 2004 session, the Council resolved, by its Resolution 1227, that the Conference be convened in Geneva from 22 October to 16 November 2007, 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-07) 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 WRC-07, as contained in the revision of the Radio Regulations referred to in this Preamble, shall enter into force as from 1 January 2009; 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.

## Article 2

*Nomenclature**Section I – Frequency and wavelength bands*

**MOD** COM6/382/1 (B20/414/1)

**2.1** The radio spectrum shall be subdivided into nine frequency bands, which shall be designated by progressive whole numbers in accordance with the following table. As the unit of frequency is the hertz (Hz), frequencies shall be expressed:

- in kilohertz (kHz), up to and including 3 000 kHz;
- in megahertz (MHz), above 3 MHz, up to and including 3 000 MHz;
- in gigahertz (GHz), above 3 GHz, up to and including 3 000 GHz.

However, where adherence to these provisions would introduce serious difficulties, for example in connection with the notification and registration of frequencies, the lists of frequencies and related matters, reasonable departures may be made<sup>1)</sup>. (WRC-07)

## Article 4

*Assignment and use of frequencies**Section I – General rules*

**MOD** COM4/296/8 (B9/305/1) (R4/335/1)

**4.19** In certain cases provided for in Articles **31** and **51**, aircraft stations are authorized to use frequencies in the bands allocated to the maritime mobile service for the purpose of communicating with stations of that service (see No. **51.73**). (WRC-07)

## Article 5

*Frequency allocations**Section I – Regions and areas*

**MOD** COM6/227/1 (B3/224/38) (R6/410/1)

**5.14** The “European Broadcasting Area” is bounded on the west by the western boundary of Region 1, on the east by the meridian 40° East

<sup>1)</sup> **2.1.1** In the application of the Radio Regulations, the Radiocommunication Bureau uses the following units:

kHz for frequencies up to 28 000 kHz inclusive  
 MHz for frequencies above 28 000 kHz up to 10 500 MHz inclusive  
 GHz for frequencies above 10 500 MHz.

of Greenwich and on the south by the parallel 30° North so as to include the northern part of Saudi Arabia and that part of those countries bordering the Mediterranean within these limits. In addition, Armenia, Azerbaijan, Georgia and those parts of the territories of Iraq, Jordan, Syrian Arab Republic, Turkey and Ukraine lying outside the above limits are included in the European Broadcasting Area. (WRC-07)

*Section IV – Table of Frequency Allocations (See No. 2.1)*

**MOD** COM5/264/1 (B6/268/1) (R3/292/1)

**5.55** *Additional allocation:* in Armenia, Azerbaijan, the Russian Federation, Georgia, Kyrgyzstan, Tajikistan and Turkmenistan, the band 14-17 kHz is also allocated to the radionavigation service on a primary basis. (WRC-07)

**MOD** COM5/264/2 (B6/268/2) (R3/292/2)

**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, Tajikistan and Turkmenistan, the frequencies 25 kHz and 50 kHz will be used for this purpose under the same conditions. (WRC-07)

**MOD** COM4/296/57 (B9/305/2) (R4/335/2)

**110-255 kHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>130-135.7</b> FIXED MARITIME MOBILE  5.64 5.67	<b>130-135.7</b> FIXED MARITIME MOBILE  5.64	<b>130-135.7</b> FIXED MARITIME MOBILE RADIONAVIGATION 5.64
<b>135.7-137.8</b> FIXED MARITIME MOBILE Amateur 5.67A  5.64 5.67 5.67B	<b>135.7-137.8</b> FIXED MARITIME MOBILE Amateur 5.67A  5.64	<b>135.7-137.8</b> FIXED MARITIME MOBILE RADIONAVIGATION Amateur 5.67A 5.64 5.67B
<b>137.8-148.5</b> FIXED MARITIME MOBILE 5.64 5.67	<b>137.8-160</b> FIXED MARITIME MOBILE  5.64	<b>137.8-160</b> FIXED MARITIME MOBILE RADIONAVIGATION 5.64
...	...	...

**MOD** COM5/264/3 (B6/268/3) (R3/292/3)

**5.67** *Additional allocation:* in Mongolia, Kyrgyzstan and Turkmenistan, the band 130-148.5 kHz is also allocated to the radionavigation service on a secondary basis. Within and between these countries this service shall have an equal right to operate. (WRC-07)

**ADD** COM4/296/58 (B9/305/3) (R4/335/3)

**5.67A** Stations in the amateur service using frequencies in the band 135.7-137.8 kHz shall not exceed a maximum radiated power of 1 W (e.i.r.p.) and shall not cause harmful interference to stations of the radionavigation service operating in countries listed in No. **5.67**. (WRC-07)

**ADD** COM4/296/59 (B9/305/4) (R4/335/4)

**5.67B** The use of the band 135.7-137.8 kHz in Algeria, Egypt, Iran (Islamic Republic of), Iraq, Libyan Arab Jamahiriya, Lebanon, Syrian Arab Republic, Sudan and Tunisia is limited to the fixed and maritime mobile services. The amateur service shall not be used in the above-mentioned countries in the band 135.7-137.8 kHz, and this should be taken into account by the countries authorizing such use. (WRC-07)

**MOD** COM5/264/4 (B6/268/4) (R3/292/4)

**5.70** *Alternative allocation:* in Angola, Botswana, Burundi, the Central African Rep., Congo (Rep. of the), Ethiopia, Kenya, Lesotho, Madagascar, Malawi, Mozambique, Namibia, Nigeria, Oman, the 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-07)

**MOD** COM4/332/1 (B13/347/1) (R7/411/1)

**200-495 kHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>415-435</b> MARITIME MOBILE 5.79 AERONAUTICAL RADIONAVIGATION 5.72	<b>415-495</b> MARITIME MOBILE 5.79 5.79A Aeronautical radionavigation 5.80	
<b>435-495</b> MARITIME MOBILE 5.79 5.79A Aeronautical radionavigation 5.72 5.82	5.77 5.78 5.82	

**MOD** COM5/264/5 (B6/268/5) (R3/292/5)

**5.75** *Different category of service:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Moldova, Kyrgyzstan, Tajikistan, Turkmenistan, Ukraine and the Black Sea areas of Romania, the allocation of the band 315-325 kHz to the maritime radionavigation service is on a primary basis under the condition that in the Baltic Sea area, the assignment of frequencies in this band to new stations in the maritime or aero-

nautical radionavigation services shall be subject to prior consultation between the administrations concerned. (WRC-07)

**MOD** COM6/341/1 (B14/365/1) (R7/411/2)

**5.77 Different category of service:** in Australia, China, the French Overseas Communities of Region 3, India, Iran (Islamic Republic of), Japan, Pakistan, Papua New Guinea and Sri Lanka, the allocation of the band 415-495 kHz to the aeronautical radionavigation service is on a primary basis. Administrations in these countries shall take all practical steps necessary to ensure that aeronautical radionavigation stations in the band 435-495 kHz do not cause interference to reception by coast stations of ship stations transmitting on frequencies designated for ship stations on a worldwide basis (see No. **52.39**). (WRC-07)

**MOD** COM4/332/3 (B13/347/2) (R7/411/3)

**5.79A** When establishing coast stations in the NAVTEX service on the frequencies 490 kHz, 518 kHz and 4 209.5 kHz, administrations are strongly recommended to coordinate the operating characteristics in accordance with the procedures of the International Maritime Organization (IMO) (see Resolution **339 (Rev.WRC-07)**). (WRC-07)

**MOD** COM4/332/5 (B13/347/4) (R7/411/5)

**5.82** In the maritime mobile service, the frequency 490 kHz is to be used exclusively for the transmission by coast stations of navigational and meteorological warnings and urgent information to ships, by means of narrow-band direct-printing telegraphy. The conditions for use of the frequency 490 kHz are prescribed in Articles **31** and **52**. In using the band 415-495 kHz for the aeronautical radionavigation service, administrations are requested to ensure that no harmful interference is caused to the frequency 490 kHz. (WRC-07)

**MOD** COM4/332/2 (B13/347/5) (R7/411/6)

**495-1 800 kHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>495-505</b>	MOBILE 5.82A 5.82B	
<b>505-526.5</b> MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	<b>505-510</b> MARITIME MOBILE 5.79	<b>505-526.5</b> MARITIME MOBILE 5.79 5.79A 5.84 AERONAUTICAL RADIONAVIGATION Aeronautical mobile Land mobile
	<b>510-525</b> MOBILE 5.79A 5.84 AERONAUTICAL RADIONAVIGATION	
	...	
5.72		

**ADD** COM4/332/4 (B13/347/3) (R7/411/4)

**5.82A** The use of the band 495-505 kHz is limited to radiotelegraphy. (WRC-07)

**ADD** COM4/332/7 (B13/347/7) (R7/411/8)

**5.82B** Administrations authorizing the use of frequencies in the band 495-505 kHz by services other than the maritime mobile service shall ensure that no harmful interference is caused to the maritime mobile service in this band or to the services having allocations in the adjacent bands, noting in particular the conditions of use of the frequencies 490 kHz and 518 kHz, as prescribed in Articles **31** and **52**. (WRC-07)

**SUP** COM4/332/6 (B13/347/6) (R7/411/7)

**5.83**

**MOD** COM4/332/8 (B13/347/8) (R7/411/9)

**5.84** The conditions for the use of the frequency 518 kHz by the maritime mobile service are prescribed in Articles **31** and **52**. (WRC-07)

**MOD** COM5/264/6 (B6/268/6) (R3/292/6)

**5.93** *Additional allocation:* in Angola, Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, Mongolia, Nigeria, Uzbekistan, Poland, Kyrgyzstan, Slovakia, the Czech Rep., Tajikistan, Chad, Turkmenistan and Ukraine, the bands 1 625-1 635 kHz, 1 800-1 810 kHz and 2 160-2 170 kHz are also allocated to the fixed and land mobile services on a primary basis, subject to agreement obtained under No. **9.21**. (WRC-07)

**MOD** COM5/264/7 (B6/268/7) (R3/292/7)

**5.98** *Alternative allocation:* in Angola, Armenia, Azerbaijan, Belarus, Belgium, Cameroon, Congo (Rep. of the), Denmark, Egypt, Eritrea, Spain, Ethiopia, the Russian Federation, Georgia, Greece, Italy, Kazakhstan, Lebanon, Lithuania, Moldova, the 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-07)

**MOD** COM5/264/8 (B6/268/8) (R3/292/8)

**5.99** *Additional allocation:* in Saudi Arabia, Austria, Iraq, the Libyan Arab Jamahiriya, Uzbekistan, Slovakia, Romania, Serbia, 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-07)

**MOD** COM5/264/9 (B6/268/9) (R3/292/9)

**5.102** *Alternative allocation:* in Bolivia, Chile, Mexico, Paraguay, Peru and Uruguay, the band 1 850-2 000 kHz is allocated to the fixed, mobile except aeronautical mobile, radiolocation and radionavigation services on a primary basis. (WRC-07)

**MOD** COM4/332/9 (B13/347/9) (R7/411/10)

**5.108** The carrier frequency 2 182 kHz is an international distress and calling frequency for radiotelephony. The conditions for the use of the band 2 173.5-2 190.5 kHz are prescribed in Articles **31** and **52**. (WRC-07)

**MOD** COM4/332/10 (B13/347/10) (R7/411/11)

**5.111** The carrier frequencies 2 182 kHz, 3 023 kHz, 5 680 kHz, 8 364 kHz and the frequencies 121.5 MHz,

156.525 MHz, 156.8 MHz and 243 MHz may also be used, in accordance with the procedures in force for terrestrial radiocommunication services, for search and rescue operations concerning manned space vehicles. The conditions for the use of the frequencies are prescribed in Article 31.

The same applies to the frequencies 10 003 kHz, 14 993 kHz and 19 993 kHz, but in each of these cases emissions must be confined in a band of  $\pm 3$  kHz about the frequency. (WRC-07)

**MOD** COM5/264/10 (B6/268/10) (R3/292/10)

**5.112** *Alternative allocation:* in Denmark, Malta, Serbia 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-07)

**MOD** COM5/264/11 (B6/268/11) (R3/292/11)

**5.114** *Alternative allocation:* in Denmark, Iraq, Malta and Serbia, the band 2 502-2 625 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

**MOD** COM4/332/11 (B13/347/11) (R7/411/12)

**5.115** The carrier (reference) frequencies 3 023 kHz and 5 680 kHz may also be used, in accordance with Article 31, by stations of the maritime mobile service engaged in coordinated search and rescue operations. (WRC-07)

**MOD** COM5/264/12 (B6/268/12) (R3/292/12)

**5.117** *Alternative allocation:* in Côte d'Ivoire, Denmark, Egypt, Liberia, Malta, Serbia, 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-07)

**MOD** COM5/264/13 (B6/268/13) (R3/292/13)

**5.119** *Additional allocation:* in Honduras, Mexico and Peru, the band 3 500-3 750 kHz is also allocated to the fixed and mobile services on a primary basis. (WRC-07)

**MOD** COM5/264/14 (B6/268/14) (R3/292/14)

**5.122** *Alternative allocation:* in Bolivia, Chile, Ecuador, Paraguay, Peru and Uruguay, the band 3 750-4 000 kHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

**MOD** COM4/380/63 (B17/404/1)

**5.128** Frequencies in the bands 4 063-4 123 kHz and 4 130-4 438 kHz may be used exceptionally by stations in the fixed service, communicating only within the boundary of the country in which they are located, with a mean power not exceeding 50 W, on condition that harmful interference is not caused to the maritime mobile service. In addition, in Afghanistan, Argentina, Armenia, Azerbaijan, Belarus, Botswana, Burkina Faso, the Central African Rep., China, the Russian Federation, Georgia, India, Kazakhstan, Mali, Niger, Kyrgyzstan, Tajikistan, Chad,



Turkmenistan and Ukraine, in the bands 4 063-4 123 kHz, 4 130-4 133 kHz and 4 408-4 438 kHz, stations in the fixed service, with a mean power not exceeding 1 kW, can be operated on condition that they are situated at least 600 km from the coast and that harmful interference is not caused to the maritime mobile service. (WRC-07)

**SUP** COM4/380/64 (B17/404/2)

**5.129**

**MOD** COM4/332/12 (B13/347/12) (R7/411/13)

**5.130** The conditions for the use of the carrier frequencies 4 125 kHz and 6 215 kHz are prescribed in Articles **31** and **52**. (WRC-07)

**MOD** COM5/264/15 (B6/268/15) (R3/292/15)

**5.133** *Different category of service:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Latvia, Lithuania, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 5 130-5 250 kHz to the mobile, except aeronautical mobile, service is on a primary basis (see No. **5.33**). (WRC-07)

**MOD** COM4/380/65 (B17/404/3)

**5.134** The use of the bands 5 900-5 950 kHz, 7 300-7 350 kHz, 9 400-9 500 kHz, 11 600-11 650 kHz, 12 050-12 100 kHz, 13 570-13 600 kHz, 13 800-13 870 kHz, 15 600-15 800 kHz, 17 480-17 550 kHz and 18 900-19 020 kHz by the broadcasting service is subject to the application of the procedure of Article 12. Administrations are encouraged to use these bands to facilitate the introduction of digitally modulated emissions in accordance with the provisions of Resolution **517 (Rev.WRC-07)**. (WRC-07)

**MOD** COM4/380/66 (B17/404/4)

**5.136** *Additional allocation:* frequencies in the band 5 900-5 950 kHz may be used by stations in the following services, communicating only within the boundary of the country in which they are located: fixed service (in all three Regions), land mobile service (in Region 1), mobile except aeronautical mobile (R) service (in Regions 2 and 3), 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-07)

**MOD** COM5/264/16 (B6/268/16) (R3/292/16)

**5.139** *Different category of service:* until 29 March 2009, in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Latvia, Lithuania, Mongolia, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the allocation of the band 6 765-7 000 kHz to the land mobile service is on a primary basis (see No. **5.33**). (WRC-07)

**MOD** COM4/380/67 (B17/404/5)

**5.143** *Additional allocation:* frequencies in the band 7 300-7 350 kHz may be used by stations in the fixed service and in the land mobile service, 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-07)

**MOD** COM4/332/13 (B13/347/13) (R7/411/14)

**5.145** The conditions for the use of the carrier frequencies 8 291 kHz, 12 290 kHz and 16 420 kHz are prescribed in Articles **31** and **52**. (WRC-07)

**MOD** COM4/380/68 (B17/404/6)

**5.146** *Additional allocation:* frequencies in the bands 9 400-9 500 kHz, 11 600-11 650 kHz, 12 050-12 100 kHz, 15 600-15 800 kHz, 17 480-17 550 kHz and 18 900-19 020 kHz may be used by stations in the fixed service, 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 in the fixed service, 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-07)

**(MOD)** COM5/198/1 COM5/228/1

**5.149** In making assignments to stations of other services to which the bands:

13 360-13 410 kHz,	4 950-4 990 MHz,	102-109.5 GHz,
25 550-25 670 kHz,	4 990-5 000 MHz,	111.8-114.25 GHz,
37.5-38.25 MHz,	6 650-6 675.2 MHz,	128.33-128.59 GHz,
73-74.6 MHz in Regions 1 and 3,	10.6-10.68 GHz,	129.23-129.49 GHz,
150.05-153 MHz in Region 1,	14.47-14.5 GHz,	130-134 GHz,
322-328.6 MHz,	22.01-22.21 GHz,	136-148.5 GHz,
406.1-410 MHz,	22.21-22.5 GHz,	151.5-158.5 GHz,
608-614 MHz in Regions 1 and 3,	22.81-22.86 GHz,	168.59-168.93 GHz,
1 330-1 400 MHz,	23.07-23.12 GHz,	171.11-171.45 GHz,
1 610.6-1 613.8 MHz,	31.2-31.3 GHz,	172.31-172.65 GHz,
1 660-1 670 MHz,	31.5-31.8 GHz in Regions 1 and 3,	173.52-173.85 GHz,
1 718.8-1 722.2 MHz,	36.43-36.5 GHz,	195.75-196.15 GHz,
2 655-2 690 MHz,	42.5-43.5 GHz,	209-226 GHz,
3 260-3 267 MHz,	48.94-49.04 GHz,	241-250 GHz,
3 332-3 339 MHz,	76-86 GHz,	252-275 GHz
3 345.8-3 352.5 MHz,	92-94 GHz,	
4 825-4 835 MHz,	94.1-100 GHz,	

are allocated, administrations are urged to take all practicable steps to protect the radio astronomy service from harmful interference. Emissions from spaceborne or airborne stations can be particularly serious sources of interference to the radio astronomy service (see Nos. **4.5** and **4.6** and Article **29**). (WRC-07)

**MOD** COM4/380/69 (B17/404/7)

**5.151** *Additional allocation:* frequencies in the bands 13 570-13 600 kHz and 13 800-13 870 kHz may be used by stations in the fixed serv-

ice and in the mobile except aeronautical mobile (R) service, communicating only within the boundary of the country in which they are located, on the condition that harmful interference is not caused to the broadcasting service. When using frequencies in 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-07)

**MOD** COM5/264/17 (B6/268/17) (R3/292/17)

**5.155** *Additional allocation:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, Tajikistan, Turkmenistan and Ukraine, the band 21 850-21 870 kHz is also allocated to the aeronautical mobile (R) service on a primary basis. (WRC-07)

**MOD** COM5/264/18 (B6/268/18) (R3/292/18)

**5.155A** In Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Moldova, Mongolia, Uzbekistan, Kyrgyzstan, Slovakia, Tajikistan, Turkmenistan and Ukraine, the use of the band 21 850-21 870 kHz by the fixed service is limited to provision of services related to aircraft flight safety. (WRC-07)

**MOD** COM5/264/19 (B6/268/19) (R3/292/19)

**5.162A** *Additional allocation:* in Germany, Austria, Belgium, Bosnia and Herzegovina, China, Vatican, Denmark, Spain, Estonia, the Russian Federation, Finland, France, Ireland, Iceland, Italy, Latvia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Lithuania, Luxembourg, Monaco, Montenegro, Norway, the Netherlands, Poland, Portugal, Slovakia, the Czech Rep., the United Kingdom, Serbia, Slovenia, Sweden and Switzerland the band 46-68 MHz is also allocated to the radiolocation service on a secondary basis. This use is limited to the operation of wind profiler radars in accordance with Resolution **217 (WRC-97)**. (WRC-07)

**MOD** COM5/264/20 (B6/268/20) (R3/292/20)

**5.163** *Additional allocation:* in Armenia, Belarus, the Russian Federation, Georgia, Hungary, Kazakhstan, Latvia, Lithuania, Moldova, 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-07)

**MOD** COM5/264/21 (B6/268/21) (R3/292/21)

**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, the Libyan Arab Jamahiriya, Jordan, Lebanon, Liechtenstein, Luxembourg, Madagascar, Mali, Malta, Morocco, Mauritania, Monaco, Montenegro, Nigeria, Norway, the Netherlands, Poland, Syrian Arab Republic, Romania, the United Kingdom, Serbia, Slovenia, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia and Turkey, the band 47-68 MHz, in South Africa the band 47-50 MHz, in the Czech Rep. the band 66-68 MHz,

and in Latvia and Lithuania the band 48.5-56.5 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-07)

**MOD** COM5/264/22 (B6/268/22) (R3/292/22)

**5.167** *Alternative allocation:* in Bangladesh, Brunei Darussalam, India, Iran (Islamic Republic of), Pakistan, Singapore and Thailand, the band 50-54 MHz is allocated to the fixed, mobile and broadcasting services on a primary basis. (WRC-07)

**ADD** COM5/264/23 (B6/268/23) (R3/292/23)

**5.167A** *Additional allocation:* in Indonesia, the band 50-54 MHz is also allocated to the fixed, mobile and broadcasting services on a primary basis. (WRC-07)

**SUP** COM5/264/24 (B6/268/24) (R3/292/24)

**5.174**

**MOD** COM5/264/25 (B6/268/25) (R3/292/25)

**5.175** *Alternative allocation:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, Moldova, Uzbekistan, Kyrgyzstan, Tajikistan, Turkmenistan and Ukraine, the bands 68-73 MHz and 76-87.5 MHz are allocated to the broadcasting service on a primary basis. In Latvia and Lithuania, the bands 68-73 MHz and 76-87.5 MHz are allocated to the broadcasting and mobile, except aeronautical mobile, services on a primary basis. The services to which these bands are allocated in other countries and the broadcasting service in the countries listed above are subject to agreements with the neighbouring countries concerned. (WRC-07)

**MOD** COM5/264/26 (B6/268/26) (R3/292/26)

**5.176** *Additional allocation:* in Australia, China, Korea (Rep. of), the Philippines, the Dem. People's Rep. of Korea and Samoa, the band 68-74 MHz is also allocated to the broadcasting service on a primary basis. (WRC-07)

**MOD** COM5/264/27 (B6/268/27) (R3/292/27)

**5.177** *Additional allocation:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Kazakhstan, 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-07)

**MOD** COM5/264/28 (B6/268/28) (R3/292/28)

**5.179** *Additional allocation:* in Armenia, Azerbaijan, Belarus, China, the Russian Federation, Georgia, Kazakhstan, Lithuania, 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-07)

**MOD** COM4/318/5 (B11/329/1) (R6/410/2)COM4/332/15 (B13/347/14) (R7/411/15)COM5/265/1 (B6/268/29) (R3/292/29)

## 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	
<b>117.975-137</b>	AERONAUTICAL MOBILE (R) 5.111 5.200 5.201 5.202	
<b>137-137.025</b>	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	
<b>137.025-137.175</b>	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.209 Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	

**SUP** COM5/264/29 (B6/268/30) (R3/292/30)

**5.184**

**MOD** COM5/264/30 (B6/268/31) (R3/292/31)

**5.194 Additional allocation:** in Azerbaijan, Kyrgyzstan, Somalia and Turkmenistan, the band 104-108 MHz is also allocated to the mobile, except aeronautical mobile (R), service on a secondary basis. (WRC-07)

**MOD** COM5/264/31 (B6/268/32) (R3/292/32)

**5.197 Additional allocation:** in Pakistan and the Syrian Arab Republic, the band 108-111.975 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 procedures invoked under No. **9.21**. (WRC-07)

**MOD** COM4/318/6 (B11/329/3) (R6/410/4)

**5.197A Additional allocation:** the band 108-117.975 MHz is also allocated on a primary basis to the aeronautical mobile (R) service, limited to systems operating in accordance with recognized international aero-

nautical standards. Such use shall be in accordance with Resolution **413 (Rev.WRC-07)**. The use of the band 108-112 MHz by the aeronautical mobile (R) service shall be limited to systems composed of ground-based transmitters and associated receivers that provide navigational information in support of air navigation functions in accordance with recognized international aeronautical standards. (WRC-07)

**SUP** COM4/318/3 (B11/329/4) (R6/410/5)

**5.198**

**SUP** COM4/332/14 (B13/347/15) (R7/411/17)

**5.199**

**MOD** COM4/332/16 (B13/347/16) (R7/411/18)

**5.200** In the band 117.975-137 MHz, the frequency 121.5 MHz is the aeronautical emergency frequency and, where required, the frequency 123.1 MHz is the aeronautical frequency auxiliary to 121.5 MHz. Mobile stations of the maritime mobile service may communicate on these frequencies under the conditions laid down in Article **31** for distress and safety purposes with stations of the aeronautical mobile service. (WRC-07)

**SUP** COM6/341/3 (B14/365/3) (R7/411/19)

**5.203**

**SUP** COM5/264/32 (B6/268/33) (R3/292/33)

**5.203A**

**SUP** COM6/341/4 (B14/365/4) (R7/411/20)

**5.203B**

**MOD** COM5/264/33 (B6/268/34) (R3/292/34)

**5.204** *Different category of service:* in Afghanistan, Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, China, Cuba, the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Kuwait, Montenegro, Oman, Pakistan, the Philippines, Qatar, Serbia, 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-07)

**MOD** COM5/265/3 (B6/268/35) (R3/292/35)

**5.208A** In making assignments to space stations in the mobile-satellite service in the bands 137-138 MHz, 387-390 MHz and 400.15-401 MHz, administrations shall take all practicable steps to protect the radio astronomy service in the bands 150.05-153 MHz, 322-328.6 MHz, 406.1-410 MHz and 608-614 MHz from harmful interference from unwanted emissions. The threshold levels of interference detrimental to the radio astronomy service are shown in the relevant ITU-R Recommendation. (WRC-07)

**MOD** COM5/265/6 (B6/268/57) (R3/292/57)

**5.208B<sup>2)</sup>** In the bands:

137-138 MHz,  
 387-390 MHz,  
 400.15-401 MHz,  
 1 452-1 492 MHz,  
 1 525-1 610 MHz,  
 1 613.8-1 626.5 MHz,  
 2 655-2 690 MHz,  
 21.4-22 GHz,

Resolution **739 (Rev.WRC-07)** applies. (WRC-07)

**MOD** COM5/265/2 (B6/268/36) (R3/292/36)

137.175-148 MHz

**137.175-148 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>137.175-137.825</b>	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) 5.208A 5.208B 5.209 SPACE RESEARCH (space-to-Earth) Fixed Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	
<b>137.825-138</b>	SPACE OPERATION (space-to-Earth) METEOROLOGICAL-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Fixed Mobile-satellite (space-to-Earth) 5.208A 5.208B 5.209 Mobile except aeronautical mobile (R) 5.204 5.205 5.206 5.207 5.208	
...		

**MOD** COM5/264/34 (B6/268/37) (R3/292/37)

**5.210** *Additional allocation:* in 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-07)

**MOD** COM5/264/35 (B6/268/38) (R3/292/38)

**5.211** *Additional allocation:* in Germany, Saudi Arabia, Austria, Bahrain, Belgium, Denmark, the United Arab Emirates, Spain, Finland, Greece, Ireland, Israel, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lebanon, Liechtenstein, Luxembourg, Mali, Malta, Montenegro, Norway, the Netherlands, Qatar, the United Kingdom, Serbia,

<sup>2)</sup> This provision was previously numbered as No. **5.347A**. It was renumbered to preserve the sequential order. Consequential modifications, if any, to other parts of the Table will be made in the 2008 Edition of the Radio Regulations.

Slovenia, Somalia, Sweden, Switzerland, Tanzania, Tunisia and Turkey, the band 138-144 MHz is also allocated to the maritime mobile and land mobile services on a primary basis. (WRC-07)

**MOD** COM5/264/36 (B6/268/39) (R3/292/39)

**5.212** *Alternative allocation:* in Angola, Botswana, Burundi, Cameroon, the Central African Rep., Congo (Rep. of the), Gabon, Gambia, Ghana, Guinea, Iraq, Libyan Arab Jamahiriya, Jordan, Lesotho, Liberia, Malawi, Mozambique, Namibia, Oman, Uganda, Syrian Arab Republic, the 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-07)

**MOD** COM5/264/37 (B6/268/40) (R3/292/40)

**5.214** *Additional allocation:* in Eritrea, Ethiopia, Kenya, The Former Yugoslav Republic of Macedonia, Malta, Montenegro, Serbia, Somalia, Sudan and Tanzania, the band 138-144 MHz is also allocated to the fixed service on a primary basis. (WRC-07)



## MOD COM4/332/17 (B13/347/17) (R7/411/21)

## 148-223 MHz

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>150.05-153</b> FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY 5.149	<b>150.05-156.4875</b> FIXED MOBILE	
<b>153-154</b> FIXED MOBILE except aeronautical mobile (R) Meteorological Aids		
<b>154-156.4875</b> FIXED MOBILE except aeronautical mobile (R) 5.226	5.225 5.226	
<b>156.4875-156.5625</b>	MARITIME MOBILE (distress and calling via DSC) 5.111 5.226 5.227	
<b>156.5625-156.7625</b> FIXED MOBILE except aeronautical mobile (R) 5.226	<b>156.5625-156.7625</b> FIXED MOBILE 5.225 5.226	
<b>156.7625-156.8375</b>	MARITIME MOBILE (distress and calling) 5.111 5.226	
<b>156.8375-174</b> FIXED MOBILE except aeronautical mobile 5.226 5.227A 5.229	<b>156.8375-174</b> FIXED MOBILE 5.226 5.227A 5.230 5.231 5.232	
...		

## MOD COM5/264/38 (B6/268/41) (R3/292/41)

**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, the Libyan Arab Jamahiriya, Jamaica, Japan, Jordan, Kazakhstan, Kenya, Kuwait, The Former Yugoslav Republic of Macedonia, Lesotho, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Malaysia, Mali, Malta, Mauritania, Moldova, Mongolia, Montenegro, Mozambique, Namibia, Norway, New Zealand, Oman, Uganda, Uzbekistan, Pakistan, Panama, Papua New Guinea, Paraguay, the Netherlands, the Philippines, Poland, Portugal, Qatar, the Syrian Arab Republic, Kyrgyzstan, Dem. People's Rep. of Korea, Slovakia, Romania, the United Kingdom, Senegal, Serbia, 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-07)

**MOD** COM4/332/18 (B13/347/18) (R7/411/22)

**5.226** The frequency 156.525 MHz is the international distress, safety and calling frequency for the maritime mobile VHF radiotelephone service using digital selective calling (DSC). The conditions for the use of this frequency and the band 156.4875-156.5625 MHz are contained in Articles **31** and **52**, and in Appendix **18**.

The frequency 156.8 MHz is the international distress, safety and calling frequency for the maritime mobile VHF radiotelephone service. The conditions for the use of this frequency and the band 156.7625-156.8375 MHz are contained in Article **31** and Appendix **18**.

In the bands 156-156.4875 MHz, 156.5625-156.7625 MHz, 156.8375-157.45 MHz, 160.6-160.975 MHz and 161.475-162.05 MHz, each administration shall give priority to the maritime mobile service on only such frequencies as are assigned to stations of the maritime mobile service by the administration (see Articles **31** and **52**, and Appendix **18**).

Any use of frequencies in these bands by stations of other services to which they are allocated should be avoided in areas where such use might cause harmful interference to the maritime mobile VHF radiocommunication service.

However, the frequencies 156.8 MHz and 156.525 MHz and the frequency bands in which priority is given to the maritime mobile service may be used for radiocommunications on inland waterways subject to agreement between interested and affected administrations and taking into account current frequency usage and existing agreements. (WRC-07)

**MOD** COM4/332/19 (B13/347/19) (R7/411/23)

**5.227** *Additional allocation:* the bands 156.4875-156.5125 MHz and 156.5375-156.5625 MHz are also allocated to the fixed and land mobile services on a primary basis. The use of these bands by the fixed and land mobile services shall not cause harmful interference to nor claim protection from the maritime mobile VHF radiocommunication service. (WRC-07)

**ADD** COM4/332/20 (B13/347/20) (R7/411/24)

**5.227A** *Additional allocation:* the bands 161.9625-161.9875 MHz and 162.0125-162.0375 MHz are also allocated to the mobile-satellite service (Earth-to-space) on a secondary basis for the reception of automatic identification system (AIS) emissions from stations operating in the maritime-mobile service (see Appendix 18). (WRC-07)

**5.237** *Additional allocation:* in Congo (Rep. of the), Eritrea, Ethiopia, Gambia, Guinea, the Libyan Arab Jamahiriya, Malawi, Mali, Sierra Leone, Somalia and Chad, the band 174-223 MHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-07)

**MOD**

**220-335.4 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
328.6-335.4	AERONAUTICAL RADIONAVIGATION 5.258 5.259	

**MOD** COM4/332/21 (B13/347/21) (R7/411/25)

**5.256** The frequency 243 MHz is the frequency in this band for use by survival craft stations and equipment used for survival purposes. (WRC-07)

**MOD** COM5/264/40 (B6/268/43) (R3/292/43)

**5.259** *Additional allocation:* in Egypt, Israel and the Syrian Arab Republic, the band 328.6-335.4 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-07)

**MOD** COM5/265/4 (B6/268/44) (R3/292/44)

**335.4-410 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>387-390</b>	FIXED MOBILE Mobile-satellite (space-to-Earth)	5.208A 5.208B 5.254 5.255
...		
<b>400.15-401</b>	METEOROLOGICAL AIDS METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE-SATELLITE (space-to-Earth) SPACE RESEARCH (space-to-Earth) Space operation (space-to-Earth)	5.208A 5.208B 5.209 5.263 5.262 5.264
...		

**MOD** COM5/264/41 (B6/268/45) (R3/292/45)

**5.262** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Botswana, 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, the Syrian Arab Republic, Kyrgyzstan, Romania, 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-07)

**MOD** COM4/332/22 (B13/347/22) (R7/411/26)

**5.266** The use of the band 406-406.1 MHz by the mobile-satellite service is limited to low power satellite emergency position-indicating radiobeacons (see also Article 31). (WRC-07)

**MOD COM4/394/1 (B22/416/1)****410-460 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>450-455</b>	FIXED MOBILE 5.286AA 5.209 5.271 5.286 5.286A 5.286B 5.286C 5.286D 5.286E	
<b>455-456</b> FIXED MOBILE 5.286AA  5.209 5.271 5.286A 5.286B 5.286C 5.286E	<b>455-456</b> FIXED MOBILE 5.286AA MOBILE-SATELLITE (Earth-to-space) 5.286A 5.286B 5.286C 5.209	<b>455-456</b> FIXED MOBILE 5.286AA  5.209 5.271 5.286A 5.286B 5.286C 5.286E
<b>456-459</b>	FIXED MOBILE 5.286AA 5.271 5.287 5.288	
<b>459-460</b> FIXED MOBILE 5.286AA  5.209 5.271 5.286A 5.286B 5.286C 5.286E	<b>459-460</b> FIXED MOBILE 5.286AA MOBILE-SATELLITE (Earth-to-space) 5.286A 5.286B 5.286C 5.209	<b>459-460</b> FIXED MOBILE 5.286AA  5.209 5.271 5.286A 5.286B 5.286C 5.286E

**MOD COM5/264/42 (B6/268/46) (R3/292/46)**

**5.271 Additional allocation:** in Belarus, China, India, Kyrgyzstan and Turkmenistan, the band 420-460 MHz is also allocated to the aeronautical radionavigation service (radio altimeters) on a secondary basis. (WRC-07)

**MOD COM5/264/43 (B6/268/47) (R3/292/47)**

**5.275 Additional allocation:** in Croatia, Estonia, Finland, Libyan Arab Jamahiriya, The Former Yugoslav Republic of Macedonia, Montenegro, Serbia and Slovenia, the bands 430-432 MHz and 438-440 MHz are also allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

**MOD COM5/264/44 (B6/268/48) (R3/292/48)**

**5.276 Additional allocation:** in Afghanistan, Algeria, Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, Burkina Faso, Burundi, Egypt, the United Arab Emirates, Ecuador, Eritrea, Ethiopia, Greece, Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Italy, Libyan Arab Jamahiriya, Jordan, Kenya, Kuwait, Lebanon, Malaysia, Malta, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Switzerland, Tanzania, Thailand, Togo, Turkey and Yemen, the band 430-440 MHz is also allocated to the fixed service on a primary basis and the bands 430-

435 MHz and 438-440 MHz are also allocated to the mobile, except aeronautical mobile, service on a primary basis. (WRC-07)

**MOD** COM5/264/45 (B6/268/49) (R3/292/49)

**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, Romania, Rwanda, Tajikistan, Chad, Turkmenistan and Ukraine, the band 430-440 MHz is also allocated to the fixed service on a primary basis. (WRC-07)

**MOD** COM5/264/46 (B6/268/50) (R3/292/50)

**5.280** In Germany, Austria, Bosnia and Herzegovina, Croatia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Montenegro, Portugal, Serbia, Slovenia and Switzerland, the band 433.05-434.79 MHz (centre frequency 433.92 MHz) is designated for industrial, scientific and medical (ISM) applications. Radiocommunication services of these countries operating within this band must accept harmful interference which may be caused by these applications. ISM equipment operating in this band is subject to the provisions of No. 15.13. (WRC-07)

**ADD** COM4/394/2 (B22/416/3)

**5.286AA** The band 450-470 MHz is identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). See Resolution **224 (Rev.WRC-07)**. This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. (WRC-07)

**MOD** COM5/264/47 (B6/268/51) (R3/292/51)

**5.286D Additional allocation:** in Canada, the United States and Panama, the band 454-455 MHz is also allocated to the mobile-satellite service (Earth-to-space) on a primary basis. (WRC-07)

**MOD** COM5/264/48 (B6/268/52) (R3/292/52)

**5.286E Additional allocation:** in Cape Verde, Nepal and Nigeria, the bands 454-456 MHz and 459-460 MHz are also allocated to the mobile-satellite (Earth-to-space) service on a primary basis. (WRC-07)

**MOD** COM4/332/25 (B13/347/24) (R7/411/28)

**5.287** In the maritime mobile service, the frequencies 457.525 MHz, 457.550 MHz, 457.575 MHz,

467.525 MHz, 467.550 MHz and 467.575 MHz may be used by on-board communication stations. Where needed, equipment designed for 12.5 kHz channel spacing using also the additional frequencies 457.5375 MHz, 457.5625 MHz, 467.5375 MHz and 467.5625 MHz may be introduced for on-board communications. The use of these frequencies in territorial waters may be subject to the national regulations of the administration concerned. The characteristics of the equipment used shall conform to those specified in Recommendation ITU-R M.1174-2. (WRC-07)



460-470 MHz to the meteorological-satellite service (space-to-Earth) is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. (WRC-07)

**MOD** COM4/380/79 (B19/413/1)

**5.292** *Different category of service:* in Mexico, the allocation of the band 470-512 MHz to the fixed and mobile services, and in Argentina, Uruguay and Venezuela to the mobile service, is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. (WRC-07)

**MOD** (R9/425/2)

**5.293** *Different category of service:* in Canada, Chile, Colombia, Cuba, the United States, Guyana, Honduras, Jamaica, Mexico, Panama and Peru, the allocation of the bands 470-512 MHz and 614-806 MHz to the fixed service is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. In Canada, Chile, Colombia, Cuba, the United States, Guyana, Honduras, Jamaica, Mexico, Panama and Peru, the allocation of the bands 470-512 MHz and 614-698 MHz to the mobile service is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. In Argentina and Ecuador, the allocation of the band 470-512 MHz to the fixed and mobile services is on a primary basis (see No. 5.33), subject to agreement obtained under No. 9.21. (WRC-07)

**MOD** COM4/380/80 (B19/413/2)

**5.294** *Additional allocation:* in Saudi Arabia, Burundi, Cameroon, Côte d'Ivoire, Egypt, Ethiopia, Israel, the Libyan Arab Jamahiriya, Kenya, Malawi, the Syrian Arab Republic, Sudan, Chad and Yemen, the band 470-582 MHz is also allocated to the fixed service on a secondary basis. (WRC-07)

**MOD** COM4/380/81 (B19/413/3)

**5.296** *Additional allocation:* in Germany, Saudi Arabia, Austria, Belgium, Côte d'Ivoire, Denmark, Egypt, Spain, Finland, France, Ireland, Israel, Italy, the Libyan Arab Jamahiriya, Jordan, Lithuania, Malta, Morocco, Monaco, Norway, Oman, the Netherlands, Portugal, the 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-07)

**MOD** COM4/380/82 (B19/413/4)

**5.297** *Additional allocation:* in Canada, Costa Rica, Cuba, El Salvador, the United States, Guatemala, Guyana, Honduras, Jamaica and Mexico, the band 512-608 MHz is also allocated to the fixed and mobile services on a primary basis, subject to agreement obtained under No. 9.21. (WRC-07)

**MOD** COM4/380/83 (B19/413/5)



**5.300** *Additional allocation:* in Saudi Arabia, Egypt, Israel, the Libyan Arab Jamahiriya, Jordan, Oman, the Syrian Arab Republic and Sudan, the band 582-790 MHz is also allocated to the fixed and mobile, except aeronautical mobile, services on a secondary basis. (WRC-07)

**SUP** COM4/211/2 (B3/224/2)

**5.311**

**ADD** (R9/425/3)

**5.311A** For the frequency band 620-790 MHz, see also Resolution **549 (WRC-07)**. (WRC-07)

**ADD** (R9/425/5)

**5.313A** The band, or portions of the band 698-790 MHz, in Bangladesh, China, Korea (Rep. of), India, Japan, New Zealand, Papua New Guinea, Philippines and Singapore are identified for use by these administrations wishing to implement International Mobile Telecommunications (IMT). This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. In China, the use of IMT in this band will not start until 2015. (WRC-07)

**ADD** (R9/425/9)

**5.313B** *Different category of service:* in Brazil, the allocation of the band 698-806 MHz to the mobile service is on a secondary basis (see No. **5.32**). (WRC-07)

**MOD** COM4/380/84 (B19/413/6)

**5.314** *Additional allocation:* in Austria, Italy, Moldova, Uzbekistan, Kyrgyzstan, the United Kingdom and Swaziland, the band 790-862 MHz is also allocated to the land mobile service on a secondary basis. (WRC-07)

**MOD** (R9/425/4)

**5.316** *Additional allocation:* in Germany, Saudi Arabia, Bosnia and Herzegovina, Burkina Faso, Cameroon, Côte d'Ivoire, Croatia, Denmark, Egypt, Finland, Greece, Israel, the Libyan Arab Jamahiriya, Jordan, Kenya, The Former Yugoslav Republic of Macedonia, Liechtenstein, Mali, Monaco, Montenegro, Norway, the Netherlands, Portugal, the United Kingdom, the Syrian Arab Republic, Serbia, 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. This allocation is effective until 16 June 2015. (WRC-07)

**ADD** (R9/425/6)

**5.316A** *Additional allocation:* in Spain, France, Gabon and Malta, the band 790-830 MHz, in Angola, Bahrain, Benin, Botswana, Congo (Rep. of the), French Overseas Departments and Communities of Region 1,

Gambia, Ghana, Guinea, Kuwait, Lesotho, Lebanon, Malawi, Morocco, Mauritania, Mozambique, Namibia, Niger, Oman, Uganda, Poland, Qatar, Rwanda, Senegal, Sudan, South Africa, Swaziland, Tanzania, Chad, Togo, Yemen, Zambia and Zimbabwe, the band 790-862 MHz, in Georgia, the band 806-862 MHz, and in Lithuania, the band 830-862 MHz is also allocated to the mobile, except aeronautical mobile, service on a primary basis subject to the agreement by the administrations concerned obtained under No. **9.21** and under the GE06 Agreement, as appropriate, including those administrations mentioned in No. **5.312** where appropriate. However, stations of the mobile service in the countries mentioned in connection with each band referred to in this footnote shall not cause unacceptable interference to, nor claim protection from, stations of services operating in accordance with the Table in countries other than those mentioned in connection with the band. Frequency assignments to the mobile service under this allocation in Lithuania and Poland shall not be used without the agreement of the Russian Federation and Belarus. This allocation is effective until 16 June 2015. (WRC-07)

**ADD** (R9/425/8)

**5.316B** In Region 1, the allocation to the mobile, except aeronautical mobile, service on a primary basis in the frequency band 790-862 MHz shall come into effect from 17 June 2015 and shall be subject to agreement obtained under No. **9.21** with respect to the aeronautical radionavigation service in countries mentioned in No. **5.312**. For countries party to the GE06 Agreement, the use of stations of the mobile service is also subject to the successful application of the procedures of that Agreement. Resolutions **224 (Rev.WRC-07)** and **749 (WRC-07)** shall apply. (WRC-07)

**MOD** (R9/425/7)

**5.317A** Those parts of the band 698-960 MHz in Region 2 and the band 790-960 MHz in Regions 1 and 3 which are allocated to the mobile service on a primary basis are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT). See Resolutions **224 (Rev.WRC-07)** and **749(WRC-07)**. This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-07)

**SUP** COM6/382/3 (B20/414/3)

**5.321**

**MOD** COM5/264/50 (B6/268/54) (R3/292/54)

**5.323** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Bulgaria, the Russian Federation, Hungary, Kazakhstan, Moldova, Uzbekistan, Poland, Kyrgyzstan, 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-07)

**MOD** COM4/318/8 (B11/329/5) (R6/410/6)**890-1300 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>890-942</b> FIXED MOBILE except aeronautical mobile 5.317A BROADCASTING 5.322 Radiolocation  5.323	<b>890-902</b> FIXED MOBILE except aeronautical mobile 5.317A Radiolocation 5.318 5.325	<b>890-942</b> FIXED MOBILE 5.317A BROADCASTING Radiolocation  5.327
	<b>902-928</b> FIXED Amateur Mobile except aeronautical mobile 5.325A Radiolocation 5.150 5.325 5.326	
	<b>928-942</b> FIXED MOBILE except aeronautical mobile 5.317A Radiolocation 5.325	
<b>942-960</b> FIXED MOBILE except aeronautical mobile 5.317A BROADCASTING 5.322 5.323	<b>942-960</b> FIXED MOBILE 5.317A	<b>942-960</b> FIXED MOBILE 5.317A BROADCASTING  5.320
<b>960-1164</b>	AERONAUTICAL RADIONAVIGATION 5.328 AERONAUTICAL MOBILE (R) 5.327A	
...		

**ADD** COM4/318/9 (B11/329/6) (R6/410/7)

**5.327A** The use of the band 960-1 164 MHz by the aeronautical mobile (R) service is limited to systems that operate in accordance with recognized international aeronautical standards. Such use shall be in accordance with Resolution **417 (WRC-07)**. (WRC-07)

**MOD** COM6/341/5 (B14/365/5) (R7/411/30)

**5.328A** Stations in the radionavigation-satellite service in the band 1 164-1 215 MHz shall operate in accordance with the provisions of Resolution **609 (Rev.WRC-07)** 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-07)

**MOD** COM5/216/1 (B3/224/4)

**5.328B** The use of the bands 1 164-1 300 MHz, 1 559-1 610 MHz and 5 010-5 030 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; however, in the case of radionavigation-satellite service (space-to-space) networks and systems, Resolution 610 (WRC-03) shall only apply to transmitting space stations. In accordance with No. **5.329A**, for systems and networks in the radionavigation-satellite service (space-to-space) in the bands 1 215-1 300 MHz and 1 559-1 610 MHz, the provisions of Nos. **9.7**, **9.12**, **9.12A** and **9.13** shall only apply with respect to other systems and networks in the radionavigation-satellite service (space-to-space). (WRC-07)

**MOD** COM5/216/2 (B3/224/5)

**5.329A** Use of systems in the radionavigation-satellite service (space-to-space) operating in the bands 1 215-1 300 MHz and 1 559-1 610 MHz is not intended to provide safety service applications, and shall not impose any additional constraints on radionavigation-satellite service (space-to-Earth) systems or on other services operating in accordance with the Table of Frequency Allocations. (WRC-07)

**MOD** COM5/264/51 (B6/268/55) (R3/292/55)

**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, Lebanon, Liechtenstein, Lithuania, Luxembourg, Madagascar, Mali, Mauritania, Montenegro, Nigeria, Norway, Oman, the Netherlands, Poland, Portugal, Qatar, the Syrian Arab Republic, Dem. People's Rep. of Korea, Slovakia, the United Kingdom, Serbia, Slovenia, Somalia, Sudan, Sri Lanka, South Africa, Sweden, Switzerland, Thailand, Togo, Turkey, Venezuela and Viet Nam, the band 1 215-1 300 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-07)

**MOD** COM5/372/1 (B15/396/1) COM6/341/6 (B14/365/6)  
(R7/411/31) COM4/332/75 (B13/347/26) (R7/411/32)

**1 300-1 525 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>1 350-1 400</b> FIXED MOBILE RADIOLOCATION 5.149 5.338 5.338A 5.339	<b>1 350-1 400</b> RADIOLOCATION 5.338A 5.149 5.334 5.339	
<b>1 400-1 427</b>	EARTH EXPLORATION-SATELLITE (passive) RADIO ASTRONOMY SPACE RESEARCH (passive) 5.340 5.341	
<b>1 427-1 429</b>	SPACE OPERATION (Earth-to-space) FIXED MOBILE except aeronautical mobile 5.338A 5.341	
<b>1 429-1 452</b> FIXED MOBILE except aeronautical mobile 5.338A 5.341 5.342	<b>1 429-1 452</b> FIXED MOBILE 5.343 5.338A 5.341	
<b>1 452-1 492</b> FIXED MOBILE except aeronautical mobile BROADCASTING 5.345 BROADCASTING-SATELLITE 5.208B 5.345 5.341 5.342	<b>1 452-1 492</b> FIXED MOBILE 5.343 BROADCASTING 5.345 BROADCASTING-SATELLITE 5.208B 5.345 5.341 5.344	
...		
<b>1 518-1 525</b> FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A 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 5.351A 5.341 5.344	<b>1 518-1 525</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth) 5.348 5.348A 5.348B 5.351A 5.341

**MOD** COM5/264/52 (B6/268/56) (R3/292/56)

**5.338** In Mongolia, Kyrgyzstan, Slovakia, the Czech Rep. and Turkmenistan, existing installations of the radionavigation service may continue to operate in the band 1 350-1 400 MHz. (WRC-07)

**ADD** COM5/372/6 (B15/396/11)

5.338A In the bands 1 350-1 400 MHz, 1 427-1 452 MHz, 22.55-23.55 GHz, 30-31.3 GHz, 49.7-50.2 GHz, 50.4-50.9 GHz and 51.4-52.6 GHz, **Resolution 750 (WRC-07)** applies. (WRC-07)

SUP COM5/173/5 (B1/196/3) (R1/221/2)

**5.339A**

SUP COM6/341/7 (B14/365/7) (R7/411/33)

**5.347**

SUP

**5.347A<sup>3)</sup>**

SUP COM4/332/76 (B13/347/27) (R7/411/34)

**5.348C**

MOD COM5/265/5 (B6/268/58) (R3/292/58)

**1 525-1 610 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>1 559-1 610</b>	AERONAUTICAL RADIONAVIGATION RADIONAVIGATION-SATELLITE (space-to-Earth) (space-to-space) 5.208B 5.328B 5.329A 5.341 5.362B 5.362C	

MOD COM5/264/53 (B6/268/59) (R3/292/59)

**5.349** *Different category of service:* in Saudi Arabia, Azerbaijan, Bahrain, Cameroon, Egypt, France, Iran (Islamic Republic of), Iraq, Israel, Kazakhstan, Kuwait, The Former Yugoslav Republic of Macedonia, Lebanon, Morocco, Qatar, Syrian Arab Republic, Kyrgyzstan, Turkmenistan and Yemen, the allocation of the band 1 525-1 530 MHz to the mobile, except aeronautical mobile, service is on a primary basis (see No. **5.33**). (WRC-07)

MOD COM4/332/77 (B13/347/28) (R7/411/35)

**5.351A** For the use of the bands 1 518-1 544 MHz, 1 545-1 559 MHz, 1 610-1 645.5 MHz, 1 646.5-1 660.5 MHz, 1 668-1 675 MHz, 1 980-2 010 MHz, 2 170-2 200 MHz, 2 483.5-2 520 MHz and 2 670-2 690 MHz by the mobile-satellite service, see Resolutions **212 (Rev.WRC-07)** and **225 (Rev.WRC-07)**. (WRC-07)

MOD COM5/264/54 (B6/268/60) (R3/292/60)

**5.359** *Additional allocation:* in Germany, Saudi Arabia, Armenia, Austria, Azerbaijan, Belarus, Benin, Bulgaria, Cameroon, Spain, the Russian Federation, France, Gabon, Georgia, Greece, Guinea, Guinea-Bissau, the Libyan Arab Jamahiriya, Jordan, Kazakhstan, Kuwait, Lebanon, Lithuania, Mauritania, Moldova, Uganda, Uzbekistan, Pakistan, Poland, the Syrian Arab Republic, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, Swaziland, Tajikistan, Tanzania, Tunisia, Turkmeni-

<sup>3)</sup> *Note by the Secretariat:* This provision has been modified by WRC-07, and subsequently renumbered No. **5.208B** in order to preserve the sequential order.

stan 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-07)

**MOD** COM6/341/8 (B14/365/8) (R7/411/36)

**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 2010 in Algeria, Saudi Arabia, Cameroon, Libyan Arab Jamahiriya, Jordan, Mali, Mauritania, Syrian Arab Republic and Tunisia. After this date, 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. The band 1 559-1 610 MHz is also allocated to the fixed service on a secondary basis in Algeria, Germany, Armenia, Azerbaijan, Belarus, Benin, Bulgaria, Spain, Russian Federation, France, Gabon, Georgia, Guinea, Guinea-Bissau, Kazakhstan, Lithuania, Moldova, Nigeria, Uganda, Uzbekistan, Pakistan, Poland, Kyrgyzstan, Dem. People's Rep. of Korea, Romania, Senegal, Swaziland, Tajikistan, Tanzania, Turkmenistan and Ukraine 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-07)

**MOD** COM5/264/55 (B6/268/61) (R3/292/61)

**5.362C** *Additional allocation:* in Congo (Rep. of the), Egypt, Eritrea, Iraq, Israel, Jordan, Malta, Qatar, the Syrian Arab Republic, Somalia, Sudan, Chad, Togo and Yemen, the band 1559-1610 MHz is also allocated to the fixed service 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 not authorize new frequency assignments to fixed-service systems in this band. (WRC-07)

**SUP** COM5/173/3 (B1/196/4) (R1/221/3)

**5.363**

**MOD** COM4/332/78 (B13/347/29) (R7/411/37)

**1 660-1 710 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>1 668-1 668.4</b>	MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY SPACE RESEARCH (passive) Fixed Mobile except aeronautical mobile 5.149 5.341 5.379 5.379A	
<b>1 668.4-1 670</b>	METEOROLOGICAL AIDS FIXED MOBILE except aeronautical mobile MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.379C RADIO ASTRONOMY 5.149 5.341 5.379D 5.379E	
<b>1 670-1 675</b>	METEOROLOGICAL AIDS FIXED METEOROLOGICAL-SATELLITE (space-to-Earth) MOBILE MOBILE-SATELLITE (Earth-to-space) 5.351A 5.379B 5.341 5.379D 5.379E 5.380A	
...		

**MOD** COM5/230/3 (B4/234/3) (R3/292/63)

**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**. In the band 1 668-1 668.4 MHz, Resolution **904 (WRC-07)** shall apply. (WRC-07)

**MOD** COM5/230/4 (B4/234/4) (R3/292/64)

**5.379D** For sharing of the band 1 668.4-1 675 MHz between the mobile-satellite service and the fixed and mobile services, Resolution **744 (Rev.WRC-07)** shall apply. (WRC-07)

**SUP** COM5/230/5 (B4/234/5) (R3/292/65)

**5.380**

**MOD** COM6/382/4 (B20/414/4)

**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 before 1 January 2004. Any new assignment to these earth stations in this band shall also be protected from harmful interference from stations in the mobile-satellite service. (WRC-07)

**MOD** COM5/264/56 (B6/268/62) (R3/292/66)

**5.382** *Different category of service:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Congo (Rep. of the), Egypt, the United Arab Emirates, Eritrea, Ethiopia, the Russian Federation, Guinea, Iraq, Israel, Jordan, Kazakhstan, Kuwait, the Former Yugoslav Republic of Macedo-



nia, Lebanon, Mauritania, Moldova, Mongolia, Oman, Uzbekistan, Poland, Qatar, the Syrian Arab Republic, Kyrgyzstan, Serbia, 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-07)

**MOD** COM5/230/2 (B4/234/2) (R3/292/67) COM6/382/5 (B20/414/5)

**1 710-2 170 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>1 710-1 930</b>	FIXED MOBILE 5.384A 5.388A 5.388B 5.149 5.341 5.385 5.386 5.387 5.388	
...		
<b>2 010-2 025</b> FIXED MOBILE 5.388A 5.388B  5.388	<b>2 010-2 025</b> FIXED MOBILE MOBILE-SATELLITE (Earth-to-space)  5.388 5.389C 5.389E	<b>2 010-2 025</b> FIXED MOBILE 5.388A 5.388B  5.388
...		
<b>2 160-2 170</b> FIXED MOBILE 5.388A 5.388B  5.388	<b>2 160-2 170</b> FIXED MOBILE MOBILE-SATELLITE (space-to-Earth)  5.388 5.389C 5.389E	<b>2 160-2 170</b> FIXED MOBILE 5.388A 5.388B  5.388

**MOD** COM4/332/81 (B13/347/30) (R7/411/39) (R8/424/1)

**5.384A** The bands, or portions of the bands, 1 710-1 885 MHz, 2 300-2 400 MHz and 2 500-2 690 MHz, are identified for use by administrations wishing to implement International Mobile Telecommunications (IMT) in accordance with Resolution **223 (Rev.WRC-07)**. This identification does not preclude the use of these bands by any application of the services to which they are allocated and does not establish priority in the Radio Regulations. (WRC-07)

**MOD** COM5/264/57 (B6/268/63) (R3/292/68)

**5.387 Additional allocation:** in 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-07)

**MOD** COM6/382/6 (B20/414/6)

**5.389A** The use of the bands 1 980-2 010 MHz and 2 170-2 200 MHz by the mobile-satellite service is subject to coordination under No. **9.11A** and to the provisions of Resolution **716 (Rev.WRC-2000)**. (WRC-07)

**MOD** COM6/382/7 (B20/414/7)

**5.389C** The use of the bands 2 010-2 025 MHz and 2 160-2 170 MHz in Region 2 by the mobile-satellite service is subject to coordination under No. **9.11A** and to the provisions of Resolution **716 (Rev.WRC-2000)**. (WRC-07)

**SUP** COM6/382/8 (B20/414/8)

**5.390**

**SUP** COM6/341/10 (B14/365/10) (R7/411/40)

**5.392A**

**MOD** COM5/264/60 (B6/268/64) (R8/424/3) COM4/392/1 (B19/413/7)

2 170-2 520 MHz

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>2 300-2 450</b> FIXED MOBILE 5.384A Amateur Radiolocation 5.150 5.282 5.395	<b>2 300-2 450</b> FIXED MOBILE 5.384A RADIOLOCATION Amateur 5.150 5.282 5.393 5.394 5.396	
<b>2 450-2 483.5</b> FIXED MOBILE Radiolocation 5.150 5.397	<b>2 450-2 483.5</b> FIXED MOBILE RADIOLOCATION 5.150	
...		
<b>2 500-2 520</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A  5.405 5.412	<b>2 500-2 520</b> FIXED 5.410 FIXED-SATELLITE (space-to- Earth) 5.415 MOBILE except aeronautical mobile 5.384A  5.404	<b>2 500-2 520</b> FIXED 5.410 FIXED-SATELLITE (space-to- Earth) 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (space-to- Earth) 5.351A 5.407 5.414 5.414A 5.404 5.415A

**MOD** COM5/264/58 (B6/268/65) (R8/424/4)

**5.393** *Additional allocation:* in Canada, the United States, India and Mexico, the band 2 310-2 360 MHz is also allocated to the broadcasting-satellite service (sound) and complementary terrestrial sound 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)**, with the exception of **resolves** 3 in regard to the limitation on broadcasting-satellite systems in the upper 25 MHz. (WRC-07)

**MOD** COM5/264/59 (B6/268/66) (R8/424/5)

**5.394** In the United States, the use of the band 2 300-2 390 MHz by the aeronautical mobile service for telemetry has priority over other uses by the mobile services. In Canada, the use of the band 2 360-2 400 MHz by the aeronautical mobile service for telemetry has priority over other uses by the mobile services. (WRC-07)

**MOD** COM4/392/4 (B19/413/8)

**5.403** Subject to agreement obtained under No. **9.21**, the band 2 520-2 535 MHz may also be used for the mobile-satellite (space-to-Earth), except aeronautical mobile-satellite, service for operation limited to within national boundaries. The provisions of No. **9.11A** apply. (WRC-07)

**SUP** COM4/392/5 (B19/413/9)

**5.409**

**MOD** COM4/392/6 (B19/413/10)

**5.410** The band 2 500-2 690 MHz may be used for tropospheric scatter systems in Region 1, subject to agreement obtained under No. **9.21**. Administrations shall make all practicable efforts to avoid developing new tropospheric scatter systems in this band. When planning new tropospheric scatter radio-relay links in this band, all possible measures shall be taken to avoid directing the antennas of these links towards the geostationary-satellite orbit. (WRC-07)

**SUP** COM4/392/7 (B19/413/11)

**5.411**

**MOD** COM5/264/61 (B6/268/67) (R3/292/69)

**5.412** *Alternative allocation:* in Azerbaijan, Kyrgyzstan and Turkmenistan, the band 2 500-2 690 MHz is allocated to the fixed and mobile, except aeronautical mobile, services on a primary basis. (WRC-07)

**MOD** COM4/392/8 (B19/413/12)

**5.414** The allocation of the frequency band 2 500-2 520 MHz to the mobile-satellite service (space-to-Earth) is subject to coordination under No. **9.11A**. (WRC-07)

**ADD** COM4/392/3 (B19/413/14)

**5.414A** In Japan and India, the use of the bands 2 500-2 520 MHz and 2 520-2 535 MHz, under No. **5.403**, by a satellite network in the mobile-satellite service (space-to-Earth) is limited to operation within national boundaries and subject to the application of No. **9.11A**. The following pfd values shall be used as a threshold for coordination under No. **9.11A**, for all conditions and for all methods of modulation, in an area of 1 000 km around the territory of the administration notifying the mobile-satellite service network:

- 136dB(W/(m<sup>2</sup> · MHz)) for 0° ≤ θ ≤ 5°
- 136 + 0.55 (θ - 5) dB(W/(m<sup>2</sup> · MHz)) for 5° < θ ≤ 25°
- 125 dB(W/(m<sup>2</sup> · MHz)) for 25° < θ ≤ 90°

where  $\theta$  is the angle of arrival of the incident wave above the horizontal plane, in degrees. Outside this area Table **21-4** of Article **21** shall apply. Furthermore, the coordination thresholds in Table 5-2 of Annex 1 to Appendix 5 of the Radio Regulations (Edition of 2004), in conjunction with the applicable provisions of Articles **9** and **11** associated with No. **9.11A**, shall apply to systems for which complete notification information has been received by the Radiocommunication Bureau by 14 November 2007 and that have been brought into use by that date. (WRC-07)

**MOD** COM4/392/9 (B19/413/13)

**5.415** The use of the bands 2 500-2 690 MHz in Region 2 and 2 500-2 535 MHz and 2 655-2 690 MHz in Region 3 by the fixed-satellite service is limited to national and regional systems, subject to agreement obtained under No. **9.21**, giving particular attention to the broadcasting-satellite service in Region 1. (WRC-07)

## MOD COM4/392/2 (B19/413/15)

## 2 520-2 700 MHz

Allocation to services		
Region 1	Region 2	Region 3
<b>2 520-2 655</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416        5.339 5.405 5.412 5.417C 5.417D 5.418B 5.418C	<b>2 520-2 655</b> FIXED 5.410 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416        5.339 5.417C 5.417D 5.418B 5.418C	<b>2 520-2 535</b> FIXED 5.410 FIXED-SATELLITE (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 5.403 5.414A 5.415A  <b>2 535-2 655</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 5.339 5.417A 5.417B 5.417C 5.417D 5.418 5.418A 5.418B 5.418C
<b>2 655-2 670</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.208B 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149 5.412	<b>2 655-2 670</b> FIXED 5.410 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149 5.208B	<b>2 655-2 670</b> FIXED 5.410 FIXED-SATELLITE (Earth-to-space) 5.415 MOBILE except aeronautical mobile 5.384A BROADCASTING-SATELLITE 5.413 5.416 Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149 5.208B 5.420
<b>2 670-2 690</b> FIXED 5.410 MOBILE except aeronautical mobile 5.384A Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149 5.412	<b>2 670-2 690</b> FIXED 5.410 FIXED-SATELLITE (Earth-to-space) (space-to-Earth) 5.208B 5.415 MOBILE except aeronautical mobile 5.384A Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149	<b>2 670-2 690</b> FIXED 5.410 FIXED-SATELLITE (Earth-to-space) 5.415 MOBILE except aeronautical mobile 5.384A MOBILE-SATELLITE (Earth-to-space) 5.351A 5.419 Earth exploration-satellite (passive) Radio astronomy Space research (passive)       5.149
...		

## MOD COM4/392/10 (B19/413/16)

**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**. The provi-

sions of No. **9.19** shall be applied by administrations in this band in their bilateral and multilateral negotiations. (WRC-07)

**MOD** COM4/392/11 (B19/413/17)

**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 dB(W/(m<sup>2</sup> · MHz)) for 0° ≤ θ ≤ 5°
- 130 + 0.4 (θ – 5) dB(W/(m<sup>2</sup> · MHz)) for 5° < θ ≤ 25°
- 122 dB(W/(m<sup>2</sup> · MHz)) for 25° < θ ≤ 90°

where θ 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 dB(W/(m<sup>2</sup> · 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, 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-07)

**MOD** COM4/392/12 (B19/413/18)

**5.419** When introducing systems of the mobile-satellite service in the band 2 670-2 690 MHz, administrations shall take all necessary steps to protect the satellite systems operating in this band prior to 3 March 1992. The coordination of mobile-satellite systems in the band shall be in accordance with No. **9.11A**. (WRC-07)

**MOD** COM4/392/13 (B19/413/19)

**5.420** The band 2 655-2 670 MHz may also be used for the mobile-satellite (Earth-to-space), except aeronautical mobile-satellite, service for operation limited to within national boundaries, subject to agreement obtained under No. **9.21**. The coordination under No. **9.11A** applies. (WRC-07)

**SUP** COM4/392/14 (B19/413/20)

**5.420A**

**MOD** COM5/264/62 (B6/268/68) (R3/292/70)

**5.422** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, Brunei Darussalam, Congo (Rep. of the), Côte d'Ivoire, Cuba, Egypt, the United Arab Emirates, Eritrea, Ethiopia, Gabon, Georgia, Guinea, Guinea-Bissau, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kuwait, Lebanon, Mauritania, Moldova, Mongolia, Montenegro, Nigeria, Oman, Pakistan, the Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, the Dem. Rep. of the Congo, Romania, 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-07)

## MOD COM4/296/1 (B9/305/5) (R4/335/5) (R9/425/10)

2 700-4 800 MHz

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>3 400-3 600</b> FIXED FIXED-SATELLITE (space-to-Earth) Mobile 5.430A Radiolocation  5.431	<b>3 400-3 500</b> FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile 5.431A Radiolocation 5.433 5.282	<b>3 400-3 500</b> FIXED FIXED-SATELLITE (space-to-Earth) Amateur Mobile 5.432B Radiolocation 5.433 5.282 5.432 5.432A
	<b>3 500-3 700</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.433	<b>3 500-3 600</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile 5.433A Radiolocation 5.433
<b>3 600-4 200</b> FIXED FIXED-SATELLITE (space-to-Earth) Mobile	<b>3 700-4 200</b> FIXED FIXED-SATELLITE (space to-Earth) MOBILE except aeronautical mobile	<b>3 600-3 700</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile Radiolocation 5.433 5.435
...		
<b>4 400-4 500</b>	FIXED MOBILE 5.440A	
<b>4 500-4 800</b>	FIXED FIXED-SATELLITE (space-to-Earth) 5.441 MOBILE 5.440A	

## MOD COM5/264/63 (B6/268/69) (R3/292/71)

**5.428 Additional allocation:** in Azerbaijan, Mongolia, Kyrgyzstan, Romania and Turkmenistan, the band 3 100-3 300 MHz is also allocated to the radionavigation service on a primary basis. (WRC-07)

## MOD COM5/264/64 (B6/268/70) (R3/292/72)

**5.429 Additional allocation:** in Saudi Arabia, Bahrain, Bangladesh, Brunei Darussalam, China, Congo (Rep. of the), Korea (Rep. of), Côte d'Ivoire, the United Arab Emirates, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, the Libyan Arab Jamahiriya, Japan, Jordan, Kenya, Kuwait, Lebanon, Malaysia, Oman, Uganda, Pakistan, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea and Yemen, the band 3 300-3 400 MHz is also allocated to the fixed and mobile serv-



ices on a primary basis. The countries bordering the Mediterranean shall not claim protection for their fixed and mobile services from the radiolocation service. (WRC-07)

**MOD** COM5/264/65 (B6/268/71) (R3/292/73)

**5.430** *Additional allocation:* in Azerbaijan, Mongolia, Kyrgyzstan, Romania and Turkmenistan, the band 3 300-3 400 MHz is also allocated to the radionavigation service on a primary basis. (WRC-07)

**ADD** (R9/425/12)

**5.430A** *Different category of service:* in Albania, Algeria, Germany, Andorra, Saudi Arabia, Austria, Azerbaijan, Bahrain, Belgium, Benin, Bosnia and Herzegovina, Botswana, Bulgaria, Burkina Faso, Cameroon, Cyprus, Vatican, Congo (Rep. of the), Côte d'Ivoire, Croatia, Denmark, Egypt, Spain, Estonia, Finland, France and French Overseas Departments and Communities in Region 1, Gabon, Georgia, Greece, Guinea, Hungary, Ireland, Iceland, Israel, Italy, Jordan, Kuwait, Lesotho, Latvia, The Former Yugoslav Republic of Macedonia, Liechtenstein, Lithuania, Malawi, Mali, Malta, Morocco, Mauritania, Moldova, Monaco, Mongolia, Montenegro, Mozambique, Namibia, Niger, Norway, Oman, Netherlands, Poland, Portugal, Qatar, the Syrian Arab Republic, Slovakia, Czech Rep., Romania, United Kingdom, San Marino, Senegal, Serbia, Sierra Leone, Slovenia, South Africa, Sweden, Switzerland, Swaziland, Chad, Togo, Tunisia, Turkey, Ukraine, Zambia and Zimbabwe, the band 3 400-3 600 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis subject to agreement obtained under No. **9.21** with other administrations and is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. At the stage of coordination the provisions of Nos. **9.17** and **9.18** also apply. Before an administration brings into use a (base or mobile) station of the mobile service in this band, it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed  $-154.5 \text{ dB(W/(m}^2 \cdot 4 \text{ kHz))}$  for more than 20% of time at the border of the territory of any other administration. This limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station), with the assistance of the Bureau if so requested. In case of disagreement, the calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the band 3 400-3 600 MHz shall not claim more protection from space stations than that provided in Table **21-4** of the Radio Regulations (Edition of 2004). This allocation is effective from 17 November 2010. (WRC-07)

**ADD** (R9/425/16)

**5.431A** *Different category of service:* in Argentina, Brazil, Chile, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Mexico, Paraguay, Suriname, Uruguay, Venezuela and French Overseas Departments and Communities in Region 2, the band 3 400-3 500 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis, subject to agreement obtained under No. **9.21**. Stations of the mobile service in the band 3 400-3 500 MHz shall not claim more protection from space stations than that provided in Table **21-4** of the Radio Regulations (Edition of 2004). (WRC-07)

**ADD** (R9/425/13)

**5.432A** In Korea (Rep. of), Japan and Pakistan, the band 3 400-3 500 MHz is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. At the stage of coordination the provisions of Nos. **9.17** and **9.18** also apply. Before an administration brings into use a (base or mobile) station of the mobile service in this band it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed  $-154.5 \text{ dB(W/(m}^2 \cdot 4 \text{ kHz))}$  for more than 20% of time at the border of the territory of any other administration. This limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station), with the assistance of the Bureau if so requested. In case of disagreement, the calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the band 3 400-3 500 MHz shall not claim more protection from space stations than that provided in Table **21-4** of the Radio Regulations (Edition of 2004). (WRC-07)

**ADD** (R9/425/14)

**5.432B** *Different category of service:* in Bangladesh, China, India, Iran (Islamic Republic of), New Zealand, Singapore and French Overseas Communities in Region 3, the band 3 400-3 500 MHz is allocated to the mobile, except aeronautical mobile, service on a primary basis, subject to agreement obtained under No. **9.21** with other administrations and is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. At the stage of coordination the provisions of Nos. **9.17** and **9.18** also apply. Before an administration brings into use a (base or mobile) station of the mobile service in this band it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed  $-154.5 \text{ dB(W/(m}^2 \cdot 4 \text{ kHz))}$  for more than 20% of time at the border of the territory of any other administration. This

limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station) with the assistance of the Bureau if so requested. In case of disagreement, the calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the band 3 400-3 500 MHz shall not claim more protection from space stations than that provided in Table 21-4 of the Radio Regulations (Edition of 2004). This allocation is effective from 17 November 2010. (WRC-07)

**ADD** (R9/425/15)

**5.433A** In Bangladesh, China, Korea (Rep. of), India, Iran (Islamic Republic of), Japan, New Zealand, Pakistan and French Overseas Communities in Region 3, the band 3 500-3 600 MHz is identified for International Mobile Telecommunications (IMT). This identification does not preclude the use of this band by any application of the services to which it is allocated and does not establish priority in the Radio Regulations. At the stage of coordination the provisions of Nos. 9.17 and 9.18 also apply. Before an administration brings into use a (base or mobile) station of the mobile service in this band it shall ensure that the power flux-density (pfd) produced at 3 m above ground does not exceed – 154.5 dB(W/(m<sup>2</sup> · 4 kHz)) for more than 20% of time at the border of the territory of any other administration. This limit may be exceeded on the territory of any country whose administration has so agreed. In order to ensure that the pfd limit at the border of the territory of any other administration is met, the calculations and verification shall be made, taking into account all relevant information, with the mutual agreement of both administrations (the administration responsible for the terrestrial station and the administration responsible for the earth station), with the assistance of the Bureau if so requested. In case of disagreement, the calculation and verification of the pfd shall be made by the Bureau, taking into account the information referred to above. Stations of the mobile service in the band 3 500-3 600 MHz shall not claim more protection from space stations than that provided in Table 21-4 of the Radio Regulations (Edition of 2004). (WRC-07)

**ADD** COM4/296/4 (B9/305/6) (R4/335/6)

**5.440A** In Region 2 (except Brazil, Cuba, French Overseas Departments and Communities, Guatemala, Paraguay, Uruguay and Venezuela), and in Australia, the band 4 400-4 940 MHz may be used for aeronautical mobile telemetry for flight testing by aircraft stations (see No. 1.83). Such use shall be in accordance with Resolution 416 (WRC-07) and shall not cause harmful interference to, nor claim protection from, the fixed-satellite and fixed services. Any such use does not preclude the use of these bands by other mobile service applications or by other serv-

ices to which these bands are allocated on a co-primary basis and does not establish priority in the Radio Regulations. (WRC-07)

**MOD** COM4/296/2 (B9/305/7) (R4/335/7) COM4/380/1 (B17/404/8) COM4/380/2 (B17/404/9) COM4/380/3 (B17/404/10)

**4 800-5 570 MHz**

Allocation to services		
Region 1	Region 2	Region 3
<b>4 800-4 990</b>	FIXED MOBILE 5.440A 5.442 Radio astronomy 5.149 5.339 5.443	
...		
<b>5 030-5 091</b>	AERONAUTICAL RADIONAVIGATION 5.367 5.444	
<b>5 091-5 150</b>	AERONAUTICAL RADIONAVIGATION AERONAUTICAL MOBILE 5.444B 5.367 5.444 5.444A	
<b>5 150-5 250</b>	AERONAUTICAL RADIONAVIGATION FIXED-SATELLITE (Earth-to-space) 5.447A MOBILE except aeronautical mobile 5.446A 5.446B 5.446 5.446C 5.447 5.447B 5.447C	
...		

**MOD** COM4/296/5 (B9/305/8) (R4/335/8)

**5.442** In the bands 4 825-4 835 MHz and 4 950-4 990 MHz, the allocation to the mobile service is restricted to the mobile, except aeronautical mobile, service. In Region 2 (except Brazil, Cuba, Guatemala, Paraguay, Uruguay and Venezuela), and in Australia, the band 4 825-4 835 MHz is also allocated to the aeronautical mobile service, limited to aeronautical mobile telemetry for flight testing by aircraft stations. Such use shall be in accordance with Resolution **416 (WRC-07)** and shall not cause harmful interference to the fixed service. (WRC-07)

**MOD** COM4/380/4 (B17/404/11)

**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. In the band 5 030-5 091 MHz, the requirements of this system shall take precedence over other uses of this band. For the use of the band 5 091-5 150 MHz, No. **5.444A** and Resolution **114 (Rev.WRC-03)** apply. (WRC-07)

**MOD** COM4/380/5 (B17/404/12)

**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 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)**;
  - after 1 January 2016, 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 radio-navigation service. (WRC-07)
- ADD** COM4/380/6 (B17/404/13)
- 5.444B** The use of the band 5 091-5 150 MHz by the aeronautical mobile service is limited to:
- systems operating in the aeronautical mobile (R) service and in accordance with international aeronautical standards, limited to surface applications at airports. Such use shall be in accordance with Resolution **748 (WRC-07)**;
  - aeronautical telemetry transmissions from aircraft stations (see No. **1.83**) in accordance with Resolution **418 (WRC-07)**;
  - aeronautical security transmissions. Such use shall be in accordance with Resolution **419 (WRC-07)**. (WRC-07)
- MOD** COM4/380/8 (B17/404/15)
- 5.446A** The use of the bands 5 150-5 350 MHz and 5 470-5 725 MHz by the stations in the mobile, except aeronautical mobile, service shall be in accordance with Resolution **229 (WRC-03)**. (WRC-07)
- ADD** COM4/380/7 (B17/404/14)
- 5.446C** *Additional allocation:* in Region 1 (except in Algeria, Saudi Arabia, Bahrain, Egypt, United Arab Emirates, Jordan, Kuwait, Lebanon, Morocco, Oman, Qatar, Syrian Arab Republic, Sudan and Tunisia) and in Brazil, the band 5 150-5 250 MHz is also allocated to the aeronautical mobile service on a primary basis, limited to aeronautical telemetry transmissions from aircraft stations (see No. **1.83**), in accordance with Resolution **418 (WRC-07)**. These stations shall not claim protection from other stations operating in accordance with Article 5. No. **5.43A** does not apply. (WRC-07)
- MOD** COM5/264/66 (B6/268/72) (R3/292/74)
- 5.447** *Additional allocation:* in Côte d'Ivoire, 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-07)
- MOD** COM5/264/67 (B6/268/73) (R3/292/75)
- 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, the Philippines, Dem. People's Rep. of Korea, 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-07)

**MOD** COM4/296/3 (B9/305/9) (R4/335/9)

**5 570-7 250 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 5.457C 5.149 5.440 5.458	
...		

**MOD** COM5/264/68 (B6/268/74) (R3/292/76)

**5.454** *Different category of service:* in Azerbaijan, the Russian Federation, Georgia, Mongolia, 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-07)

**MOD** COM5/264/69 (B6/268/75) (R3/292/77)

**5.455** *Additional allocation:* in Armenia, Azerbaijan, Belarus, Cuba, the Russian Federation, Georgia, Hungary, Kazakhstan, 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-07)

**ADD** COM4/296/6 (B9/305/10) (R4/335/10)

**5.457C** In Region 2 (except Brazil, Cuba, French Overseas Departments and Communities, Guatemala, Paraguay, Uruguay and Venezuela), the band 5 925-6 700 MHz may be used for aeronautical mobile telemetry for flight testing by aircraft stations (see No. **1.83**). Such use shall be in accordance with Resolution **416 (WRC-07)** and shall not cause harmful interference to, nor claim protection from, the fixed-satellite and fixed services. Any such use does not preclude the use of these bands by other mobile service applications or by other services to which these bands are allocated on a co-primary basis and does not establish priority in the Radio Regulations. (WRC-07)

**MOD** (COM4/272/1) (B7/283/1) (R4/335/11) COM4/332/83  
(B13/347/32) (R7/411/43) COM4/417/1 COM4/417/2

**8 500-10 000 MHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>9 000-9 200</b>	AERONAUTICAL RADIONAVIGATION 5.337 RADIOLOCATION 5.471 5.473A	
<b>9 200-9 300</b>	RADIOLOCATION MARITIME RADIONAVIGATION 5.472 5.473 5.474	
<b>9 300-9 500</b>	RADIONAVIGATION EARTH EXPLORATION-SATELLITE (active) SPACE RESEARCH (active) RADIOLOCATION 5.427 5.474 5.475 5.475A 5.475B 5.476A	
<b>9 500-9 800</b>	EARTH EXPLORATION-SATELLITE (active) RADIOLOCATION RADIONAVIGATION SPACE RESEARCH (active) 5.476A	
<b>9 800-9 900</b>	RADIOLOCATION Earth exploration-satellite (active) Space research (active) Fixed 5.477 5.478 5.478A 5.478B	
<b>9 900-10 000</b>	RADIOLOCATION Fixed 5.477 5.478 5.479	

**MOD** (COM4/272/5) (B7/283/2) (R4/335/12)

**5.471 Additional allocation:** in Algeria, Germany, Bahrain, Belgium, China, Egypt, the United Arab Emirates, France, Greece, Indonesia, Iran (Islamic Republic of), the Libyan Arab Jamahiriya, the Netherlands, Qatar and Sudan, the bands 8 825-8 850 MHz and 9 000-9 200 MHz are also allocated to the maritime radionavigation service, on a primary basis, for use by shore-based radars only. (WRC-07)

**MOD** COM5/264/71 (B6/268/77) (R3/292/79)

**5.473 Additional allocation:** in Armenia, Austria, Azerbaijan, Belarus, Cuba, the Russian Federation, Georgia, Hungary, 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-07)

**ADD** (COM4/272/3) (B7/283/4) (R4/335/14)

**5.473A** In the band 9 000-9 200 MHz, stations operating in the radiolocation service shall not cause harmful interference to, nor claim protection from, systems identified in No. **5.337** operating in the aeronautical radionavigation service, or radar systems in the maritime radionavigation service operating in this band on a primary basis in the countries listed in No. **5.471**. (WRC-07)

**MOD** (COM4/272/2) (B7/283/3) (R4/335/13)

**5.475** The use of the band 9 300-9 500 MHz by the aeronautical radionavigation service is limited to airborne weather radars and ground-based radars. In addition, ground-based radar beacons in the aeronautical radionavigation service are permitted in the band 9 300-9 320 MHz on condition that harmful interference is not caused to the maritime radionavigation service. (WRC-07)

**ADD** COM4/332/85 (B13/347/34) (R7/411/46)

**5.475A** The use of the band 9 300-9 500 MHz by the Earth exploration-satellite service (active) and the space research service (active) is limited to systems requiring necessary bandwidth greater than 300 MHz that cannot be fully accommodated within the 9 500-9 800 MHz band. (WRC-07)

**ADD** (COM4/272/4) (B7/283/5) (R4/335/15)

**5.475B** In the band 9 300-9 500 MHz, stations operating in the radiolocation service shall not cause harmful interference to, nor claim protection from, radars operating in the radionavigation service in conformity with the Radio Regulations. Ground-based radars used for meteorological purposes have priority over other radiolocation uses. (WRC-07)

**SUP** COM6/341/12 (B14/365/12) (R7/411/44)

**5.476**

**MOD** COM4/332/84 (B13/347/33) (R7/411/45)

**5.476A** In the band 9 300-9 800 MHz, stations in the Earth exploration-satellite service (active) and space research service (active) shall not cause harmful interference to, nor claim protection from, stations of the radio-navigation and radiolocation services. (WRC-07)

**MOD** COM5/264/72 (B6/268/78) (R3/292/80)

**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, Syrian Arab Republic, 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-07)

**MOD** COM5/264/73 (B6/268/79) (R3/292/81)

**5.478** *Additional allocation:* in Azerbaijan, 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-07)



**ADD** COM4/417/3

**5.478A** The use of the band 9 800-9 900 MHz by the Earth exploration-satellite service (active) and the space research service (active) is limited to systems requiring necessary bandwidth greater than 500 MHz that cannot be fully accommodated within the 9 300-9 800 MHz band. (WRC-07)

**ADD** COM4/417/4

**5.478B** In the band 9 800-9 900 MHz, stations in the Earth exploration-satellite service (active) and space research service (active) shall not cause harmful interference to, nor claim protection from stations of the fixed service to which this band is allocated on a secondary basis. (WRC-07)

**MOD** COM5/373/1 (B15/396/2)**10-11.7 GHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>10.6-10.68</b>	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE except aeronautical mobile RADIO ASTRONOMY SPACE RESEARCH (passive) Radiolocation 5.149 5.482 5.482A	
...		
<b>10.7-11.7</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A (Earth-to-space) 5.484 MOBILE except aeronautical mobile	<b>10.7-11.7</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.441 5.484A MOBILE except aeronautical mobile	

**MOD** COM5/264/74 (B6/268/80) (R3/292/82)

**5.480** *Additional allocation:* in Argentina, Brazil, Chile, Costa Rica, Cuba, El Salvador, Ecuador, Guatemala, Honduras, Mexico, Paraguay, the Netherlands Antilles, Peru and Uruguay, the band 10-10.45 GHz is also allocated to the fixed and mobile services on a primary basis. In Venezuela, the band 10-10.45 GHz is also allocated to the fixed service on a primary basis. (WRC-07)

**MOD** COM5/264/75 (B6/268/81) (R3/292/83)

**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, Romania, 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-07)

**MOD** COM5/373/2 (B15/396/3)

**5.482** In the band 10.6-10.68 GHz, the power delivered to the antenna of stations of the fixed and mobile, except aeronautical mobile, services shall not exceed – 3 dBW. This limit may be exceeded, subject to agreement obtained under No. **9.21**. However, in Algeria, Saudi Arabia, Armenia, Azerbaijan, Bahrain, Bangladesh, Belarus, Egypt, United Arab Emirates, Georgia, India, Indonesia, Iran (Islamic Republic of), Iraq, Jordan, Libyan Arab Jamahiriya, Kazakhstan, Kuwait, Lebanon, Morocco, Mauritania, Moldova, Nigeria, Oman, Uzbekistan, Pakistan, Philippines, Qatar, Syrian Arab Republic, Kyrgyzstan, Singapore, Tajikistan, Tunisia, Turkmenistan and Viet Nam, this restriction on the fixed and mobile, except aeronautical mobile, service is not applicable. (WRC-07)

**ADD** COM5/373/3 (B15/396/4)

**5.482A** For sharing of the band 10.6-10.68 GHz between the Earth exploration-satellite (passive) service and the fixed and mobile, except aeronautical mobile, services, Resolution **751 (WRC-07)** applies. (WRC-07)

**MOD** COM5/264/76 (B6/268/82) (R3/292/84)

**5.483** *Additional allocation:* in Saudi Arabia, Armenia, Azerbaijan, Bahrain, Belarus, China, Colombia, Korea (Rep. of), Costa Rica, Egypt, the United Arab Emirates, Georgia, Iran (Islamic Republic of), Iraq, Israel, Jordan, Kazakhstan, Kuwait, Lebanon, Mongolia, Qatar, Kyrgyzstan, the Dem. People's Rep. of Korea, Romania, 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-07)

**MOD****11.7-14 GHz**

<b>Allocation to services</b>			
<b>Region 1</b>	<b>Region 2</b>	<b>Region 3</b>	
<b>11.7-12.5</b> FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE 5.492	<b>11.7-12.1</b> FIXED 5.486 FIXED-SATELLITE (space-to-Earth) 5.484A 5.488 Mobile except aeronautical mobile 5.485	<b>11.7-12.2</b> FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE 5.492	
	<b>12.1-12.2</b> FIXED-SATELLITE (space-to-Earth) 5.484A 5.488 5.485 5.489		5.487 5.487A
	5.487 5.487A	<b>12.2-12.7</b> FIXED MOBILE except aeronautical mobile BROADCASTING BROADCASTING-SATELLITE 5.492	<b>12.2-12.5</b> FIXED FIXED-SATELLITE (space-to-Earth) MOBILE except aeronautical mobile BROADCASTING 5.484A 5.487
	...	5.487A 5.488 5.490	

**MOD** COM5/264/77 (B6/268/83) (R3/292/85)

**5.495** *Additional allocation:* in Bosnia and Herzegovina, France, Greece, Liechtenstein, Monaco, Montenegro, Uganda, Romania, Serbia, 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-07)

**MOD** COM5/264/78 (B6/268/84) (R3/292/86)

**5.501** *Additional allocation:* in Azerbaijan, Hungary, Japan, Mongolia, Kyrgyzstan, Romania and Turkmenistan, the band 13.4-14 GHz is also allocated to the radionavigation service on a primary basis. (WRC-07)

**(MOD)** COM5/198/9 COM5/228/9

**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 diameter 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) COM5/198/10 COM5/228/10

## 14-15.4 GHz

Allocation to services		
Region 1	Region 2	Region 3
<b>14-14.25</b>	FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504B 5.504C 5.506A Space research 5.504A 5.505	
<b>14.25-14.3</b>	FIXED-SATELLITE (Earth-to-space) 5.457A 5.457B 5.484A 5.506 5.506B RADIONAVIGATION 5.504 Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.508A Space research 5.504A 5.505 5.508 5.509	
<b>14.3-14.4</b> 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 Radionavigation-satellite 5.504A	<b>14.3-14.4</b> FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B Mobile-satellite (Earth-to-space) 5.506A Radionavigation-satellite  5.504A	<b>14.3-14.4</b> FIXED FIXED-SATELLITE (Earth-to-space) 5.457A 5.484A 5.506 5.506B MOBILE except aeronautical mobile Mobile-satellite (Earth-to-space) 5.504B 5.506A 5.509A Radionavigation-satellite 5.504A
<b>14.4-14.47</b>	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 Space research (space-to-Earth) 5.504A	

(MOD) COM5/264/79 (B6/268/85) (R3/292/87)

**5.505 Additional allocation:** in Algeria, Angola, Saudi Arabia, Bahrain, Botswana, Brunei Darussalam, Cameroon, China, Congo (Rep. of

the), Korea (Rep. of), Egypt, the United Arab Emirates, Gabon, Guinea, India, Indonesia, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lesotho, Lebanon, Malaysia, Mali, Morocco, Mauritania, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, Swaziland, Tanzania, Chad, Viet Nam and Yemen, the band 14-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-07)

**MOD** COM5/264/80 (B6/268/86) (R3/292/88)

**5.508** *Additional allocation:* in Germany, Bosnia and Herzegovina, France, Italy, Libyan Arab Jamahiriya, The Former Yugoslav Rep. of Macedonia and the United Kingdom, the band 14.25-14.3 GHz is also allocated to the fixed service on a primary basis. (WRC-07)

**SUP** COM5/173/2 (B1/196/6) (R1/221/5)

**5.509**

**MOD** COM5/264/81 (B6/268/87) (R3/292/89)

**5.511** *Additional allocation:* in Saudi Arabia, Bahrain, Bosnia and Herzegovina, Cameroon, Egypt, the United Arab Emirates, Guinea, Iran (Islamic Republic of), Iraq, Israel, the Libyan Arab Jamahiriya, Kuwait, Lebanon, Pakistan, Qatar, the Syrian Arab Republic and Somalia, the band 15.35-15.4 GHz is also allocated to the fixed and mobile services on a secondary basis. (WRC-07)

## MOD COM5/287/1 (B8/293/1) (R4/335/17)

## 15.4-18.4 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>17.3-17.7</b> FIXED-SATELLITE (Earth-to-space) 5.516 (space-to-Earth) 5.516A 5.516B Radiolocation 5.514	<b>17.3-17.7</b> FIXED-SATELLITE (Earth-to-space) 5.516 BROADCASTING-SATELLITE Radiolocation 5.514 5.515	<b>17.3-17.7</b> FIXED-SATELLITE (Earth-to-space) 5.516 Radiolocation 5.514
<b>17.7-18.1</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE	<b>17.7-17.8</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.517 (Earth-to-space) 5.516 BROADCASTING-SATELLITE Mobile 5.515 <b>17.8-18.1</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE 5.519	<b>17.7-18.1</b> FIXED FIXED-SATELLITE (space-to-Earth) 5.484A (Earth-to-space) 5.516 MOBILE
<b>18.1-18.4</b>	FIXED FIXED-SATELLITE (space-to-Earth) 5.484A 5.516B (Earth-to-space) 5.520 MOBILE 5.519 5.521	

## MOD COM5/264/82 (B6/268/88) (R3/292/90)

**5.512 Additional allocation:** in Algeria, Angola, Saudi Arabia, Austria, Bahrain, Bangladesh, 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), the Libyan Arab Jamahiriya, Jordan, Kenya, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Montenegro, Mozambique, Nepal, Nicaragua, Oman, Pakistan, Qatar, Syrian Arab Republic, Serbia, Singapore, 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-07)

## MOD COM5/264/83 (B6/268/89) (R3/292/91)

**5.514 Additional allocation:** in Algeria, Angola, Saudi Arabia, Bahrain, Bangladesh, Cameroon, Costa Rica, El Salvador, the United Arab Emirates, Guatemala, India, Iran (Islamic Republic of), Iraq, Israel, Italy, the Libyan Arab Jamahiriya, Japan, Jordan, Kuwait, Lithuania, Nepal, Nicaragua, Nigeria, Oman, Uzbekistan, Pakistan, Qatar, Kyrgyzstan 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-07)

**MOD** COM5/287/2 (B8/293/2) (R4/335/18)

**5.517** In Region 2, use of the fixed-satellite (space-to-Earth) service in the band 17.7-17.8 GHz shall not cause harmful interference to nor claim protection from assignments in the broadcasting-satellite service operating in conformity with the Radio Regulations. (WRC-07)

**SUP** COM5/287/3 (B8/293/3) (R4/335/19)

**5.518**

**MOD** COM5/287/4 (B8/293/4) (R4/335/20)

**5.519** *Additional allocation:* the bands 18-18.3 GHz in Region 2 and 18.1-18.4 GHz in Regions 1 and 3 are also allocated to the meteorological-satellite service (space-to-Earth) on a primary basis. Their use is limited to geostationary satellites. (WRC-07)

**MOD** COM5/264/84 (B6/268/90) (R3/292/92)

**5.524** *Additional allocation:* in Afghanistan, Algeria, Angola, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Costa Rica, Egypt, the United Arab Emirates, Gabon, Guatemala, Guinea, India, Iran (Islamic Republic of), Iraq, Israel, Japan, Jordan, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Nepal, Nigeria, Oman, Pakistan, the Philippines, Qatar, the Syrian Arab Republic, the Dem. Rep. of the Congo, the Dem. People's Rep. of Korea, Singapore, Somalia, Sudan, Tanzania, Chad, Togo and Tunisia, the band 19.7-21.2 GHz is also allocated to the fixed and mobile services on a primary basis. This additional use shall not impose any limitation on the power flux-density of space stations in the fixed-satellite service in the band 19.7-21.2 GHz and of space stations in the mobile-satellite service in the band 19.7-20.2 GHz where the allocation to the mobile-satellite service is on a primary basis in the latter band. (WRC-07)

**MOD** COM6/341/13 (B14/365/13) (R7/411/47)

**5.530** In Regions 1 and 3, the use of the band 21.4-22 GHz by the broadcasting-satellite service is subject to the provisions of Resolution 525 (Rev.WRC-07). (WRC-07)

**MOD** COM5/372/2 (B15/396/5)

22-24.75 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
22.55-23.55	FIXED INTER-SATELLITE 5.338A MOBILE 5.149	
...		

## 24.75-29.9 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
25.5-27	EARTH EXPLORATION-SATELLITE (space-to Earth) 5.536B FIXED INTER-SATELLITE 5.536 MOBILE SPACE RESEARCH (space-to-Earth) 5.536C Standard frequency and time signal-satellite (Earth-to-space) 5.536A	
...		

**MOD** COM5/264/85 (B6/268/91) (R3/292/93)

**5.536B** In Germany, Saudi Arabia, Austria, Belgium, Brazil, Bulgaria, China, Korea (Rep. of), Denmark, Egypt, United Arab Emirates, Spain, Estonia, Finland, France, Hungary, India, Iran (Islamic Republic of), Ireland, Israel, Italy, the Libyan Arab Jamahiriya, Jordan, Kenya, Kuwait, Lebanon, Liechtenstein, Lithuania, Moldova, Norway, Oman, Uganda, Pakistan, the Philippines, Poland, Portugal, the Syrian Arab Republic, Dem. People's Rep. of Korea, Slovakia, the Czech Rep., Romania, the United Kingdom, Singapore, Sweden, Switzerland, Tanzania, Turkey, Viet Nam and Zimbabwe, earth stations operating in the Earth exploration-satellite 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-07)

**MOD** COM5/284/1 (B8/293/5) (R4/335/21)

**5.537A** In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People's Rep. of Korea, Sri Lanka, Thailand and Viet Nam, the allocation to the fixed service in the band 27.9-28.2 GHz may also be used by high altitude platform stations (HAPS) within the territory of these countries. 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 (**Rev.WRC-07**). (WRC-07)

**MOD** COM5/216/3 (B3/224/6)

**5.538** *Additional allocation:* the bands 27.500-27.501 GHz and 29.999-30.000 GHz are also allocated to the fixed-satellite service (space-to-Earth) on a primary basis for the beacon transmissions intended for up-link power control. Such space-to-Earth transmissions



shall not exceed an equivalent isotropically radiated power (e.i.r.p.) of +10 dBW in the direction of adjacent satellites on the geostationary-satellite orbit. (WRC-07)

**MOD** COM5/264/86 (B6/268/92) (R3/292/94)

**5.542** *Additional allocation:* in Algeria, Saudi Arabia, Bahrain, Brunei Darussalam, Cameroon, China, Congo (Rep. of the), Egypt, the United Arab Emirates, Eritrea, Ethiopia, Guinea, India, Iran (Islamic Republic of), Iraq, Japan, Jordan, Kuwait, Lebanon, Malaysia, Mali, Morocco, Mauritania, Nepal, Pakistan, Philippines, Qatar, the Syrian Arab Republic, the Dem. People's Rep. of Korea, Somalia, Sudan, Sri Lanka and Chad, the band 29.5-31 GHz is also allocated to the fixed and mobile services on a secondary basis. The power limits specified in Nos. **21.3** and **21.5** shall apply. (WRC-07)

**MOD** COM5/372/3 (B15/396/6)

**29.9-34.2 GHz**

Allocation to services		
Region 1	Region 2	Region 3
...		
<b>30-31</b>	FIXED-SATELLITE (Earth-to-space) 5.338A MOBILE-SATELLITE (Earth-to-space) Standard frequency and time signal-satellite (space-to-Earth) 5.542	
<b>31-31.3</b>	FIXED 5.338A 5.543A MOBILE Standard frequency and time signal-satellite (space-to-Earth) Space research 5.544 5.545 5.149	
...		

**MOD** COM5/284/2 (B8/293/6) (R4/335/22)

**5.543A** In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Japan, Kazakhstan, Lesotho, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the 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 mitigate fading due to rain, provided the effective impact on the passive satellite does not exceed the impact under clear-sky conditions. See Resolution **145 (Rev.WRC-07)**. (WRC-07)

**MOD** COM5/264/87 (B6/268/93) (R3/292/95)

**5.545** *Different category of service:* in Armenia, 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-07)

**MOD** COM5/264/88 (B6/268/94) (R3/292/96)

**5.546** *Different category of service:* in Saudi Arabia, Armenia, Azerbaijan, Belarus, Egypt, the United Arab Emirates, Spain, Estonia, the Russian Federation, Georgia, Hungary, Iran (Islamic Republic of), Israel, Jordan, Lebanon, Moldova, Mongolia, Uzbekistan, Poland, the 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-07)

**MOD** COM6/382/9 (B20/414/9)

**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 Resolution **75 (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-07)

**MOD** COM5/373/6 (B15/396/7)

#### 34.2-40 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
36-37	EARTH EXPLORATION-SATELLITE (passive)	
	FIXED	
	MOBILE	
	SPACE RESEARCH (passive)	
	5.149 5.550A	
...		

**MOD** COM5/264/89 (B6/268/95) (R3/292/97)

**5.550** *Different category of service:* in Armenia, Azerbaijan, Belarus, the Russian Federation, Georgia, Mongolia, 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-07)

**ADD** COM5/373/7 (B15/396/8)

**5.550A** For sharing of the band 36-37 GHz between the Earth exploration-satellite (passive) service and the fixed and mobile services, Resolution **752 (WRC-07)** shall apply. (WRC-07)

**MOD** COM6/341/14 (B14/365/14) (R7/411/48)

**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 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.1586-1 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-07)

**(MOD)** COM5/198/14 COM5/228/14

**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 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)

**MOD** COM5/284/3 (B8/293/7) (R4/335/23)

**5.552A** The allocation to the fixed service in the bands 47.2-47.5 GHz and 47.9-48.2 GHz is designated for use by high altitude platform stations. The use of the bands 47.2-47.5 GHz and 47.9-48.2 GHz is subject to the provisions of Resolution **122 (Rev.WRC-07)**. (WRC-07)

**MOD** COM5/372/4 (B15/396/9)

## 47.5-51.4 GHz

Allocation to services		
Region 1	Region 2	Region 3
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 5.555B MOBILE	48.2-50.2 FIXED FIXED-SATELLITE (Earth-to-space) 5.516B 5.338A 5.552 MOBILE	
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) 5.338A 5.552 (space-to-Earth) 5.516B 5.554A 5.555B MOBILE	5.149 5.340 5.555	
50.2-50.4	EARTH EXPLORATION-SATELLITE (passive) SPACE RESEARCH (passive) 5.340	
50.4-51.4	FIXED FIXED-SATELLITE (Earth-to-space) 5.338A MOBILE Mobile-satellite (Earth-to-space)	

## 51.4-55.78 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
51.4-52.6	FIXED 5.338A MOBILE 5.547 5.556	

**MOD** COM6/341/15 (B14/365/15) (R7/411/49)

## 66-81 GHz

Allocation to services		
Region 1	Region 2	Region 3
...		
74-76	FIXED FIXED-SATELLITE (space-to-Earth) MOBILE BROADCASTING BROADCASTING-SATELLITE Space research (space-to-Earth) 5.561	
...		

**SUP** COM6/341/16 (B14/365/16) (R7/411/50)

**5.559A**

**(MOD)** COM5/198/16 COM5/228/16

## 151.5-158.5 GHz

Allocation to services		
Region 1	Region 2	Region 3
155.5-158.5	EARTH EXPLORATION-SATELLITE (passive) FIXED MOBILE RADIO ASTRONOMY SPACE RESEARCH (passive) 5.562B 5.149 5.562F 5.562G	

## Article 9

*Procedure for effecting coordination with or obtaining agreement of other administrations<sup>1, 2, 3, 4, 5, 6, 7, 8</sup> (WRC-07)*

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

**MOD** COM5/308/1 (B10/326/1) (R6/410/8)

<sup>10</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 the above-mentioned Council Decision 482 unless the payment has already been received. (WRC-07)

*Section II – Procedure for effecting coordination<sup>12, 13</sup>*

*Sub-Section IIA – Requirement and request for coordination*

**MOD** COM5/216/5 (B3/224/8) (R2/266/1)

**9.14 i)** for a transmitting 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 receiving stations of terrestrial services where the threshold value is exceeded; (WRC-07)

**MOD** COM5/308/2 (B10/326/2) (R6/410/9)

<sup>22</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 the above-mentioned Council Decision 482 unless the payment has already been received. (WRC-07)

**MOD** COM5/287/5 (B8/293/8) (R4/335/24)

**9.41** Following receipt of the BR IFIC referring to requests for coordination under Nos. **9.7** to **9.7B**, an administration believing that it

should have been included in the request or the initiating administration believing that an administration identified under No. **9.36** in accordance with the provisions of No. 9.7 (GSO/GSO) (items 1) to 8) of the frequency band column), No. **9.7A** (GSO earth station/non-GSO system) or No. **9.7B** (non-GSO system/GSO earth station) of Table 5-1 of Appendix 5 should not have been included in the request, shall, within four months of the date of publication of the relevant BR IFIC, inform the initiating administration or the identified administration, as appropriate, and the Bureau, giving its technical reasons for doing so, and shall request that its name be included or that the name of the identified administration be excluded, as appropriate. (WRC-07)

**MOD** COM5/308/3 (B10/326/3) (R6/410/10)

#### Article 11

*Notification and recording of frequency assignments*<sup>1, 2, 3, 4, 5, 6, 6A</sup>  
(WRC-07)

**ADD** COM5/308/4 (B10/326/4) (R6/410/11)

<sup>6A</sup> **A.11.6** 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 specified in Nos. **11.28** and **11.43** and the corresponding entries in the Master Register under Nos. **11.36**, **11.37**, **11.38**, **11.39**, **11.41**, **11.43B** or **11.43C**, as appropriate, after informing the administration concerned. The Bureau shall inform all administrations of such action and that the entries specified in the publication in question no longer have to be taken into consideration by the Bureau and other administrations and that any resubmitted notice shall be considered to be a new notice. 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 the above-mentioned Council Decision 482 unless the payment has already been received. See also Resolution **905(WRC-07)**. (WRC-07)

#### *Section I – Notification*

**SUP** COM5/344/1 (B14/365/17) (R7/411/51)

##### **11.3A**

**MOD** COM5/379/1 (B16/401/1)

**11.9** Similar notification shall be made for a frequency assignment to a receiving earth station or space station, or to a receiving high altitude platform station in the fixed service using the bands mentioned in Nos. **5.543A** and **5.552A** or to a land station for reception from mobile stations, when: (WRC-07)

**MOD** COM5/307/1 (B11/329/7) (R6/410/12)



**11.15** When notifying a frequency assignment, the administration<sup>7</sup> shall provide the relevant characteristics listed in Appendix 4. (WRC-07)

**MOD** COM5/284/4 (B8/293/9) (R4/335/25)

**11.26** Notices relating to assignments for high altitude platform stations in the fixed service in the bands identified in provisions **5.537A**, **5.543A** and **5.552A** shall reach the Bureau not earlier than five years before the assignments are brought into use. (WRC-07)

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

**MOD** COM5/379/2 (B16/401/2)

**11.43A** A notice of a change in the characteristics of an assignment already recorded, as specified in Appendix 4, shall be examined by the Bureau under Nos. **11.31** to **11.34**, as appropriate. Any change to the characteristics of an assignment that has been recorded and confirmed as having been brought into use shall be brought into use within five years from the date of the notification of the modification. Any change to the characteristics of an assignment that has been recorded but not yet brought into use shall be brought into use within the period provided for in No. **11.44**. (WRC-07)

**MOD** COM5/379/3 (B16/401/3)

**11.46** In applying the provisions of this Article, any resubmitted notice which is received by the Bureau more than six months after the date on which the original notice was returned by the Bureau shall be considered to be a new notification with a new date of receipt. For frequency assignments to a space station, should the new date of receipt of such a notice not comply with the period specified in No. **11.44.1** or No. **11.43A**, as appropriate, the notice shall be returned to the notifying administration in the case of No. **11.44.1**, and the notice shall be examined as a new notice of a change in the characteristics of an assignment already recorded with a new date of receipt in the case of No. **11.43A**. (WRC-07)

**MOD** COM5/216/7 (B3/224/10) (R2/266/2)

**11.47** All frequency assignments notified in advance of their being brought into use shall be entered provisionally in the Master Register. Any frequency assignment to a space station provisionally recorded under this provision shall be brought into use no later than the end of the period provided under No. **11.44**. Any other frequency assignment provisionally recorded under this provision shall be brought into use by the date specified in the notice, or by the end of the extension period granted under No. **11.45**, as the case may be. Unless the Bureau has been informed by the notifying administration of the bringing into use of the assignment, it shall, no later than fifteen days before either the notified date of bringing into use, in the case of an earth station, or the end of the regulatory period established under No. **11.44** or No. **11.45**, as appropriate, send a reminder requesting confirmation that the assignment has

been brought into use within that regulatory period. If the Bureau does not receive that confirmation within thirty days following the notified date of bringing into use, in the case of an earth station, or the period provided under No. **11.44** or No. **11.45**, as the case may be, it shall cancel the entry in the Master Register. The Bureau shall, however, inform the administration concerned before taking such action. (WRC-07)

#### Article 15

##### *Interferences*

##### *Section I – Interference from Radio Stations*

**MOD** COM4/211/10 (B3/224/11) (R2/266/3)

**15.8** § 4 Special consideration shall be given to avoiding interference on distress and safety frequencies, those related to distress and safety identified in Article **31** and those related to safety and regularity of flight identified in Appendix **27**. (WRC-07)

##### *Section VI – Procedure in a case of harmful interference*

**MOD** COM4/211/11 (B3/224/12) (R2/266/4)

**15.28** § 20 Recognizing that transmissions on distress and safety frequencies and frequencies used for the safety and regularity of flight (see Article **31** and Appendix **27**) require absolute international protection and that the elimination of harmful interference to such transmissions is imperative, administrations undertake to act immediately when their attention is drawn to any such harmful interference. (WRC-07)

#### Article 16

##### *International monitoring*

**MOD** COM6/341/17 (B14/365/18) (R7/411/52)

**16.2** The international monitoring system comprises only those monitoring stations which have been so nominated by administrations in the information sent to the Secretary-General in accordance with Resolution ITU-R 23-1 and Recommendation ITU-R SM.1139. These stations may be operated by an administration or, in accordance with an authorization granted by the appropriate administration, by a public or private enterprise, by a common monitoring service established by two or more countries, or by an international organization. (WRC-07)

## Article 19

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

**MOD** COM4/332/181 (B14/365/19) (R7/411/53)

**19.30** 2) As the need arises, ship stations and ship earth stations to which the provisions of Chapter IX apply, and coast stations, coast earth stations, or other non-shipborne stations capable of communicating with such ship stations, shall have assigned to them maritime mobile service identities in accordance with Section VI of this Article. (WRC-07)

**MOD** COM4/332/89 (B13/347/35) (R7/411/54)

<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 V 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-07)

**MOD** COM4/332/90 (B13/347/36) (R7/411/55)

**19.38** § 19 1) Each administration shall choose the call signs from the international series allocated or supplied to it; and shall notify this information to the Secretary-General together with the information which is to appear in Lists I, IV and V. These notifications do not include call signs assigned to amateur and experimental stations. (WRC-07)

*Section III – Formation of call signs*

**MOD** COM4/211/12 (B3/224/13) (R2/266/5)

**19.55** § 24

- two characters and two letters, *or*
- two characters, two letters and one digit (other than the digits 0 or 1), *or*
- two characters (provided that the second is a letter) followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter), *or*
- two characters and one letter followed by four digits (other than the digits 0 or 1 in cases where they immediately follow a letter). (WRC-07)

**SUP** COM4/211/13 (B3/224/14) (R2/266/6)

**19.56**

**ADD** COM4/211/14 (B3/224/15) (R2/266/7)

**19.68.1** In the case 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. In such cases, the call sign shall consist of three characters followed by a single digit and a group of not more than three characters, the last of which shall be a letter. (WRC-07)

*Section IV – Identification of stations using radiotelephony*

**MOD** COM4/332/91 (B13/347/37) (R7/411/56)

**19.73** § 33 1) *Coast stations*

– a call sign (see No. **19.52**); or  
 – the geographical name of the place as it appears in the List of Coast Stations and Special Service Stations, followed preferably by the word RADIO or by any other appropriate indication. (WRC-07)

**MOD** COM4/211/15 (B3/224/16) (R2/266/8)

**19.76** 4) *Emergency position-indicating radiobeacon stations*

When speech transmission is used:  
 – the name and/or the call sign of the parent ship to which the radiobeacon belongs. (WRC-07)

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

**MOD** COM4/332/92 (B13/347/38) (R7/411/57)

**19.83** § 36 When stations of the maritime mobile service use selective calling devices in accordance with Recommendations ITU-R M.476-5 and ITU-R M.625-3, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below. (WRC-07)

**MOD** COM4/332/93 (B13/347/39) (R7/411/58)

**19.92** § 38 1) In cases where selective call numbers for ship stations and identification numbers for coast stations are required for use in the maritime mobile service, the selective call numbers and identification numbers shall be supplied by the Secretary-General on request. Upon notification by an administration of the introduction of selective calling for use in the maritime mobile service: (WRC-07)

**MOD** COM4/332/94 (B13/347/40) (R7/411/59)

**19.96A** 3) Five-digit ship station selective call numbers shall be assigned for narrow-band direct printing (NBDP) equipment (as described in Recommendation ITU-R M.476-5). (WRC-07)

**MOD** COM4/332/182 (B14/365/20) (R7/411/60)

*Section VI – Maritime mobile service identities (WRC-07)*

**MOD** COM4/332/183 (B14/365/21) (R7/411/61)

**19.99** § 39 When a station<sup>5</sup> operating in the maritime mobile service or the maritime mobile-satellite service is required to use maritime mobile service identities, the responsible administration shall assign the identity to the station in accordance with the provisions described in Annexes 1 to 5 of Recommendation ITU-R M.585-4. In accordance with No. **20.16**, administrations shall notify the Radiocommunication Bureau immediately when assigning maritime mobile service identities. (WRC-07)

**MOD** COM4/332/184 (B14/365/22) (R7/411/62)

**19.100** § 40 1) Maritime mobile service identities are formed of a series of nine digits which are transmitted over the radio path in order to uniquely identify ship stations, ship earth stations, coast stations, coast earth stations, and other non-shipborne stations operating in the maritime mobile service or the maritime mobile-satellite service, and group calls. (WRC-07)

**MOD** COM4/332/185 (B14/365/23) (R7/411/63)

**19.102** 3) The types of maritime mobile service identities shall be as described in Annexes 1 to 5 of Recommendation ITU-R M.585-4. (WRC-07)

**SUP** COM4/332/186 (B14/365/24) (R7/411/64)

**19.103** to **19.107**

**MOD** COM4/332/187 (B14/365/25) (R7/411/65)

**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. (WRC-07)

**MOD** COM4/332/188 (B14/365/26) (R7/411/66)

**19.110C** – *Maritime mobile service identities* (WRC-07)

**MOD** COM4/332/189 (B14/365/27) (R7/411/67)

**19.111** § 43 1) Administrations shall follow Annexes 1 to 5 of Recommendation ITU-R M.585-4 concerning the assignment and use of maritime mobile service identities. (WRC-07)

**MOD** COM4/332/190 (B14/365/28) (R7/411/68)

**19.112** 2) Administrations should: (WRC-07)

**MOD** COM4/332/191 (B14/365/29) (R7/411/69)

**19.113** *a*) make optimum use of the possibilities of forming identities from the single MID allocated to them; (WRC-07)

**MOD** COM4/332/192 (B14/365/30) (R7/411/70)

**19.114** *b*) 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

<sup>5</sup> **19.99.1** In this Section a reference to a ship station or a coast station may include the respective earth stations.

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-07)

**SUP** COM4/332/193 (B14/365/31) (R7/411/71)  
**19.115** to **19.126**

#### Article 20

*Service publications and online information systems (WRC-07)*

*Section I – Titles and contents of service publications (WRC-07)*

**MOD** COM4/296/9 (B9/305/11) (R4/335/26)

**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 various formats and by appropriate means. (WRC-07)

**MOD** COM4/296/10 (B9/305/12) (R4/335/27)

**20.5 b)** the frequencies prescribed by these Regulations for common use by certain services;(WRC-07)

**MOD** COM4/296/11 (B9/305/13) (R4/335/28)

**20.7** § 3 *List IV – List of Coast Stations and Special Service Stations.* (WRC-07)

**MOD** COM4/296/12 (B9/305/14) (R4/335/29)

**20.8** § 4 *List V – List of Ship Stations and Maritime Mobile Service Identity Assignments.* (WRC-07)

**SUP** COM4/296/13 (B9/305/15) (R4/335/30)

**20.9** and **20.10**

**ADD** COM4/296/14 (B9/305/16) (R4/335/31)

*Section II – Online information systems (WRC-07)*

**ADD** COM4/296/15 (B9/305/17) (R4/335/32)

**20.14A** § 10A The following online information system(s) are made available by the Radio communication Bureau:

the ITU Maritime mobile Access and Retrieval System (MARS). (WRC-07)

**MOD** COM4/296/16 (B9/305/18) (R4/335/33)

*Section III – Preparation and amendment of service publications and online information systems (WRC-07)*

**MOD** COM4/296/17 (B9/305/19) (R4/335/34)

**20.15** § 11 The form, the content and the periodicity of each publication shall be decided by the Radiocommunication Bureau in consulta-

tion with administrations and the international organizations concerned. Similar consultation shall be made with regard to the maritime online information systems. (WRC-07)

**MOD** COM4/296/18 (B9/305/20) (R4/335/35)

**20.16** § 12 1) Administrations shall take all appropriate measures to notify the Radio-communication Bureau immediately of any changes in the operational information contained in Lists IV and V, in view of the importance of this information, particularly with regard to safety. In the case of the data published in List V, which is also made available online through MARS, administrations shall communicate those changes at least once a month. In the case of other publications, administrations shall communicate the changes in the information contained in them as soon as possible. (WRC-07)

**ADD** COM4/296/19 (B9/305/21) (R4/335/36)

**20.16A** 2) The names of the administrations which have failed to notify the Radiocommunication Bureau of the changes in the operational information contained in Lists IV and V shall be published in these Lists.

**20.16B** 3) The Radiocommunication Bureau will periodically request administrations to reconfirm the information published in Lists IV and V. If no information has been received by the Radiocommunication Bureau for two consecutive editions of Lists IV and V, unvalidated information shall be deleted. The Radiocommunication Bureau shall however inform the administration concerned before taking such action. (WRC-07)

## Article 21

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

*Section II – Power limits for terrestrial stations*

**MOD** COM5/307/2 (B11/329/8) (R6/410/13)

TABLE 21-2 (Rev.WRC-07)

Frequency band	Service	Limit as specified in Nos.
1 427-1 429 MHz 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>5</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>5</sup> (Region 1 countries listed in Nos. 5.451, 5.453 and 5.455) 5 755-5 850 MHz <sup>5</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 <sup>*</sup> 7 900-8 400 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>5</sup> (Region 1) 12.5-12.75 GHz <sup>5</sup> (Nos. 5.494 and 5.496) 12.7-12.75 GHz <sup>5</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 and 5.508) 14.3-14.4 GHz <sup>5</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.

**MOD**

<sup>5</sup> 21.6.1 The equality of right to operate when a band of frequencies is allocated in different Regions to different services of the same category is established in No. 4.8. Therefore any limits concerning inter-Regional interference which may appear in ITU-R Recommendations should, as far as practicable, be observed by administrations.

**MOD**

**21.6.1** The equality of right to operate when a band of frequencies is allocated in different Regions to different services of the same category is established in No. 4.8. Therefore any limits concerning inter-Regional



interference which may appear in ITU-R Recommendations should, as far as practicable, be observed by administrations.

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

**MOD** COM4/392/15 (B19/413/21)

TABLE 21-4 (Rev.WRC-07)

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°	
...					
2 500-2 690 MHz 2 520-2 670 MHz 2 500-2 516.5 MHz (No. 5.404) 2 500-2 520 MHz 2 520-2 535 MHz (No. 5.403) ...	Fixed-satellite Broadcasting-satellite Radiodetermination-satellite Mobile-satellite Mobile-satellite (except aeronautical mobile-satellite)	-136 <sup>9A</sup>	-136 + 11/20( $\delta$ - 5) <sup>9A</sup>	-125 <sup>9A</sup>	1 MHz

**ADD**

<sup>9A</sup> 21.16.3A Resolution 903 (WRC-07) shall apply. (WRC-07)

**MOD** COM5/344/2 (B14/365/32) (R7/411/72)

TABLE 21-4 (continued) (Rev.WRC-07)

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°	
...					
17.7-19.3 GHz <sup>7,8</sup>	Fixed-satellite (space-to-Earth) or Meteorological-satellite (space-to-Earth)	-115 <sup>13,13A</sup> or -115 - X <sup>12</sup>	-115 + 0.5( $\delta$ - 5) <sup>13,13A</sup> or -115 - X + ((10 + X)/20)( $\delta$ - 5) <sup>12</sup>	-105 <sup>13,13A</sup> or -105 <sup>12</sup>	1 MHz
17.7-19.3 GHz <sup>7,8</sup>	Fixed-satellite (space-to-Earth)	0°-3° -120 <sup>13B</sup>	3°-12° -120 + (8/9)( $\delta$ - 3) <sup>13B</sup>	12°-25° -112 + (7/13)( $\delta$ - 12) <sup>13B</sup>	-105 <sup>13B</sup> 1 MHz
19.3-19.7 GHz	Fixed-satellite (space-to-Earth)	0°-3° -120 <sup>13B</sup>	3°-12° -120 + (8/9)( $\delta$ - 3) <sup>13B</sup>	12°-25° -112 + (7/13)( $\delta$ - 12) <sup>13B</sup>	-105 <sup>13B</sup> 1 MHz
19.3-19.7 GHz 22.55-23.55 GHz 24.45-24.75 GHz 25.25-27.5 GHz 27.500-27.501 GHz	Fixed-satellite (space-to-Earth) Earth exploration-satellite (space-to-Earth) Inter-satellite Space research (space-to-Earth)	0°-5° -115 <sup>13A</sup>	5°-25° -115 + 0.5( $\delta$ - 5) <sup>13A</sup>	-105 <sup>13A</sup>	1 MHz

**ADD** COM5/344/3 (B14/365/33) (R7/411/73)

<sup>13A</sup> **21.16.6B** These limits also apply to fixed-satellite service space stations using highly-inclined orbits having an apogee altitude greater than 18 000 km and an orbital inclination between 35° and 145° in the band 17.7-19.7 GHz to which Resolution **147 (WRC-07)** applies. (WRC-07)

**ADD** COM5/344/4 (B14/365/34) (R7/411/74)

<sup>13B</sup> **21.16.6C** These limits apply to all space stations in the fixed-satellite service that use highly-inclined orbits having an apogee altitude greater than 18 000 km and an orbital inclination between 35° and 145° in the band 17.7-19.7 GHz that are not covered by Resolution **147 (WRC-07)**, and for which complete coordination or notification information, as appropriate, was received by the Radio-communication Bureau after 16 November 2007. (WRC-07)

#### Article 22

#### *Space services<sup>1</sup>*

#### *Section II – Control of interference to geostationary-satellite systems*

**MOD** COM5/379/4 (B16/401/4)

**22.2** § 2 1) Non-geostationary-satellite systems shall not cause unacceptable interference to and, unless otherwise specified in these Regulations, shall not claim protection from geostationary-satellite networks in the fixed-satellite service and the broadcasting-satellite service operating in accordance with these Regulations. No. **5.43A** does not apply in this case. (WRC-07)

## MOD COM6/341/18 (B14/365/35) (R7/411/75)

TABLE 22-1D (Rev.WRC-07)

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.1443-2, Annex 1
	-165.541	25		
	-164.041	96		
	-158.6	98.857		
	-158.6	99.429		
	-158.33	99.429		
	-158.33	100	40	45 cm Recommendation ITU-R BO.1443-2, Annex 1
	-175.441	0		
	-172.441	66		
	-169.441	97.75		
	-164	99.357		
	-160.75	99.809		
	-160	99.986	40	60 cm Recommendation ITU-R BO.1443-2, Annex 1
	-160	100		
	-176.441	0		
	-173.191	97.8		
	-167.75	99.371		
	-162	99.886		
	-161	99.943		
	-160.2	99.971		
	-160	99.997		
	-160	100		

<sup>12</sup> 22.5C.11 For this Table, reference patterns of Annex 1 to Recommendation ITU-R BO.1443-2 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-07)

## MOD COM6/341/19 (B14/365/36) (R7/411/76)

## MOD COM6/341/19bis (B14/365/37) (R7/411/77)

TABLE 22-ID (end) (Rev.WRC-07)

Frequency band (GHz)	epfd <sub>↓</sub> (dB(W/m <sup>2</sup> ))	Percentage of time during which epfd <sub>↓</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	-178.94	0	40	90 cm Recommendation ITU-R BO.1443-2, 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	40	120 cm Recommendation ITU-R BO.1443-2, Annex 1
	-182.44	0		
	-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	40	180 cm Recommendation ITU-R BO.1443-2, Annex 1	
-184.941	0			
-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	40	240 cm Recommendation ITU-R BO.1443-2, Annex 1	
-187.441	0			
-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	40	300 cm Recommendation ITU-R BO.1443-2, Annex 1	
-191.941	0			
-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 COM6/229/6

TABLE 22-4A (Rev.WRC-07)

Operational limits to the  $\text{epfd}_{\downarrow}$  radiated by non-geostationary-satellite systems in the fixed-satellite service in certain frequency bands<sup>21, 22, 23</sup>

Frequency band (GHz)	$\text{epfd}_{\downarrow}$ (dB(W/m <sup>2</sup> ))	Percentage of time during which $\text{epfd}_{\downarrow}$ may not be exceeded	Reference bandwidth (kHz)	Geostationary-satellite system receive earth station antenna diameter <sup>24</sup> (m)	Orbital inclination of the geostationary satellite (degrees)
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 (prior to 31 December 2005)	-163	100	40	3	≤ 2.5
	-166			6	
	-167.5			9	
	-169.5			≥ 18	
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 (from 31 December 2005)	-160	100	40	3	> 2.5 and ≤ 4.5
	-163			6	
	-164.5			9	
	-166.5			≥ 18	
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 (from 31 December 2005)	-161.25	100	40	3	≤ 2.5
	-164			6	
	-165.5			9	
	-167.5			≥ 18	
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 (from 31 December 2005)	-158.25	100	40	3	> 2.5 and ≤ 4.5
	-161			6	
	-162.5			9	
	-164.5			≥ 18	

Section VI – Off-axis power limits on earth stations of a geostationary-satellite network in the fixed-satellite service<sup>33, 34</sup> (WRC-2000)

## MOD COM6/341/20 (B14/365/38) (R7/411/78)

**22.36** Earth stations operating in the frequency band 29.5-30 GHz should be designed in such a manner that 90% of their peak off-axis e.i.r.p. density levels do not exceed the values given in No. **22.32**. Further study is needed to determine the off-axis angular range over which these exceedences would be permitted, taking into account the interference level into adjacent satellites. The statistical processing of the off-axis e.i.r.p. density peaks should be carried out using the method given in the most recent version of Recommendation ITU-R S.732. (WRC-07)

## Article 28

## Radiodetermination services

## Section I – General provisions

## MOD COM4/332/95 (B13/347/41) (R7/411/79)

**28.3** § 3 Administrations shall notify to the Bureau the characteristics of each radio-determination station providing an international service of value to the maritime mobile service and, if considered necessary, for each station or group of stations, the sectors in which the information furnished is normally reliable. This information is published in the List of Coast Stations and Special Service Stations (List IV), and the Bureau shall be notified of any change of a permanent nature. (WRC-07)

#### Article 30

##### *General provisions*

##### *Section I – Introduction*

**MOD** COM4/211/16 (B3/224/18) (R2/266/10)

**30.1** § 1 This Chapter contains the provisions for the operational use of the global maritime distress and safety system (GMDSS), whose functional requirements, system elements and equipment carriage requirements are set forth in the International Convention for the Safety of Life at Sea (SOLAS), 1974, as amended. This Chapter also contains provisions for initiating distress, urgency and safety communications by means of radiotelephony on the frequency 156.8 MHz (VHF channel 16). (WRC-07)

##### *Section II – Maritime provisions*

**MOD** COM4/211/17 (B3/224/19) (R2/266/11)

**30.4** § 4 The provisions specified in this Chapter are obligatory in the maritime mobile service and the maritime mobile-satellite service for all stations using the frequencies and techniques prescribed for the functions set out herein (see also No. **30.5**). (WRC-07)

##### *Section III – Aeronautical provisions*

**ADD** COM4/211/18 (B3/224/20) (R2/266/12)

**30.11A** § 11A Aircraft, when conducting search and rescue operations, are also permitted to operate digital selective calling (DSC) equipment on the VHF DSC frequency 156.525 MHz, and automatic identification system (AIS) equipment on the AIS frequencies 161.975 MHz and 162.025 MHz. (WRC-07)

## Article 31

*Frequencies for the global maritime distress and safety system  
(GMDSS)**Section I – General*

**MOD** COM4/296/20 (B9/305/22) (R4/335/37)

**31.1** § 1 The frequencies to be used for the transmission of distress and safety information under the GMDSS are contained in Appendix **15**. In addition to the frequencies listed in Appendix **15**, ship stations and coast stations should use other appropriate frequencies for the transmission of safety messages and general radiocommunications to and from shore-based radio systems or networks. (WRC-07)

**MOD** COM4/296/21 (B9/305/23) (R4/335/38)

**31.2** § 2 Any emission causing harmful interference to distress and safety communications on any of the discrete frequencies identified in Appendix **15** is prohibited. (WRC-07)

*Section III – Watchkeeping*

**MOD** COM4/332/96 (B13/347/42) (R7/411/80)

**31.13** § 6 Those coast stations assuming a watch-keeping responsibility in the GMDSS shall maintain an automatic digital selective calling watch on frequencies and for periods of time as indicated in the information published in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/296/22 (B9/305/24) (R4/335/39)

**31.17** § 8 1) Ship stations, where so equipped, shall, while at sea, maintain an automatic digital selective calling watch on the appropriate distress and safety calling frequencies in the frequency bands in which they are operating. Ship stations, where so equipped, shall also maintain watch on the appropriate frequencies for the automatic reception of transmissions of meteorological and navigational warnings and other urgent information to ships. (WRC-07)

**MOD** COM4/296/23 (B9/305/25) (R4/335/40)

**31.18** 2) Ship stations complying with the provisions of this Chapter should, where practicable, maintain a watch on the frequency 156.800 MHz (VHF channel 16). (WRC-07)

**MOD** COM4/332/97 (B13/347/43) (R7/411/81)

## Article 32

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

**MOD** COM4/332/98 (B13/347/44) (R7/411/82)

**32.1** § 1 Distress communications rely on the use of terrestrial MF, HF and VHF radio-communications and communications using satellite techniques. Distress communications shall have absolute priority over all other transmissions. The following terms apply:

- a) The distress alert is a digital selective call (DSC) using a distress call format, in the bands used for terrestrial radiocommunication, or a distress message format, in which case it is relayed through space stations.
- b) The distress call is the initial voice or text procedure.
- c) The distress message is the subsequent voice or text procedure.
- d) The distress alert relay is a DSC transmission on behalf of another station.
- e) The distress call relay is the initial voice or text procedure for a station not itself in distress. (WRC-07)

**MOD** COM4/332/99 (B13/347/45) (R7/411/83)

**32.2** § 2 1) The distress alert shall be sent through a satellite either with absolute priority in general communication channels, on exclusive distress and safety frequencies reserved for satellite EPIRBs in the Earth-to-space direction or on the distress and safety frequencies designated in the MF, HF and VHF bands for digital selective calling (see Appendix 15). (WRC-07)

**ADD** COM4/332/100 (B13/347/46) (R7/411/84)

**32.2A** 1A) The distress call shall be sent on the distress and safety frequencies designated in the MF, HF and VHF bands for radiotelephony. (WRC-07)

**MOD** COM4/332/101 (B13/347/47) (R7/411/85)

**32.3** 2) The distress alert or call and subsequent messages shall be sent only on the authority of the person responsible for the ship, aircraft or other vehicle carrying the mobile station or the mobile earth station. (WRC-07)

**MOD** COM4/332/102 (B13/347/48) (R7/411/86)

**32.4** § 3 All stations which receive a distress alert or call transmitted on the distress and safety frequencies in the MF, HF and VHF bands shall immediately cease any transmission capable of interfering with distress traffic and prepare for subsequent distress traffic. (WRC-07)

**MOD** COM4/332/103 (B13/347/49) (R7/411/87)

**32.5** § 4 Distress alerts or distress alert relays using DSC should use the technical structures and content set forth in the most recent version of Recommendations ITU-R M.493 and ITU-R M.541. (WRC-07)



**MOD** COM4/332/104 (B13/347/50) (R7/411/88)

**32.5A** § 4A Each administration shall ensure that suitable arrangements are made for assigning and registering identities used by ships participating in the GMDSS, and shall make registration information available to rescue coordination centres on a 24-hour day, 7-day week basis. Where appropriate, administrations shall notify responsible organizations immediately of additions, deletions and other changes in these assignments (see Nos. **19.39**, **19.96** and **19.99**). Registration information submitted shall be in accordance with Resolution **340 (WRC-97)**\*. (WRC-07)

**MOD** COM4/332/105 (B13/347/51) (R7/411/89)

**32.5B** § 4B Any GMDSS shipboard equipment which is capable of transmitting position coordinates as part of a distress alert and which does not have an integral electronic position-fixing system receiver shall be interconnected to a separate navigation receiver, if one is installed, to provide that information automatically. (WRC-07)

**MOD** COM4/332/106 (B13/347/52) (R7/411/90)

*Section II – Distress alerting and distress calling (WRC-07)*

**32.8 A – General**

**MOD** COM4/332/107 (B13/347/53) (R7/411/91)

**32.9** § 7 1) The transmission of a distress alert or a distress call indicates that a mobile unit<sup>2</sup> or person<sup>3</sup> is threatened by grave and imminent danger and requires immediate assistance. (WRC-07)

**MOD** COM4/332/108 (B13/347/54) (R7/411/92)

**32.10A** § 7A 1) A distress alert is false if it was transmitted without any indication that a mobile unit or person was in distress and required immediate assistance (see No. **32.9**). Administrations receiving a false distress alert shall report this infringement in accordance with Section V of Article **15**, if that alert:

- a) was transmitted intentionally;
- b) was not cancelled in accordance with No. **32.53A** and Resolution **349 (WRC-97)**;
- c) could not be verified as a result of either the ship's failure to keep watch on appropriate frequencies in accordance with Nos. **31.16** to **31.20**, or its failure to respond to calls from an authorized rescue authority;
- d) was repeated; or
- e) was transmitted using a false identity.

\* *Note by the Secretariat:* This Resolution has been suppressed by WRC-07. The subject matter is now covered by Resolution **355 (WRC-07)**.

<sup>2</sup> **32.9.1** Mobile unit: a ship, aircraft or other vehicle.

<sup>3</sup> **32.9.2** In this Article, where the case is of a person in distress, the application of the procedures may require adaptation to meet the needs of the particular circumstances.

Administrations receiving such a report shall take appropriate steps to ensure that the infringement does not recur. No action should normally be taken against any ship or mariner for reporting and cancelling a false distress alert. (WRC-07)

**ADD** COM4/332/109 (B13/347/55) (R7/411/93)

**32.10B** 2) Administrations shall take practicable and necessary steps to ensure the avoidance of false distress alerts, including those transmitted inadvertently. (WRC-07)

**MOD** COM4/332/110 (B13/347/56) (R7/411/94)

**32.11 B** – *Transmission of a distress alert or a distress call* (WRC-07)

B1 – Transmission of a distress alert or a distress call by a ship station or a ship earth station (WRC-07)

**MOD** COM4/332/111 (B13/347/57) (R7/411/95)

**32.12** § 8 Ship-to-shore distress alerts or calls are used to alert rescue coordination centres via coast stations or coast earth stations that a ship is in distress. These alerts are based on the use of transmissions via satellites (from a ship earth station or a satellite EPIRB) and terrestrial services (from ship stations and EPIRBs). (WRC-07)

**MOD** COM4/332/112 (B13/347/58) (R7/411/96)

**32.13** § 9 1) Ship-to-ship distress alerts are used to alert other ships in the vicinity of the ship in distress and are based on the use of digital selective calling in the VHF and MF bands. Additionally, the HF band may be used. (WRC-07)

**ADD** COM4/332/113 (B13/347/59) (R7/411/97)

**32.13A** 2) Ship stations equipped for digital selective calling procedures may transmit a distress call and distress message immediately following the distress alert in order to attract attention from as many ship stations as possible. (WRC-07)

**ADD** COM4/332/114 (B13/347/60) (R7/411/98)

**32.13B** 3) Ship stations not equipped for digital selective calling procedures shall, where practical, initiate the distress communications by transmitting a radio telephony distress call and message on the frequency 156.8 MHz (VHF channel 16). (WRC-07)

**ADD** COM4/332/115 (B13/347/61) (R7/411/99)

**32.13BA** § 9A The radiotelephone distress signal consists of the word MAYDAY pronounced as the French expression “m’aider” . (WRC-07)

**ADD** COM4/332/116 (B13/347/62) (R7/411/100)

**32.13C** § 9B 1) The distress call sent on the frequency 156.8 MHz (VHF channel 16) shall be given in the following form:

- the distress signal MAYDAY, spoken three times;
- the words THIS IS;
- the name of the vessel in distress, spoken three times;
- the call sign or other identification;
- the MMSI (if the initial alert has been sent by DSC). (WRC-07)

**ADD** COM4/332/117 (B13/347/63) (R7/411/101)

**32.13D** 2) The distress message which follows the distress call should be given in the following form:

- the distress signal MAYDAY;
- the name of the vessel in distress;
- the call sign or other identification;
- the MMSI (if the initial alert has been sent by DSC);
- the position, given as the latitude and longitude, or if the latitude and longitude are not known or if time is insufficient, in relation to a known geographical location;
- the nature of the distress;
- the kind of assistance required;
- any other useful information. (WRC-07)

**ADD** COM4/332/118 (B13/347/64) (R7/411/102)

**32.13E** § 9C DSC procedures use a combination of automated functions and manual intervention to generate the appropriate distress call format in the most recent version of Recommendation ITU-R M.541. A distress alert sent by DSC consists of one or more distress alert attempts in which a message format is transmitted identifying the station in distress, giving its last recorded position and, if entered, the nature of the distress. In MF and HF bands, distress alert attempts may be sent as a single-frequency attempt or a multi-frequency attempt on up to six frequencies within one minute. In VHF bands, only single-frequency call attempts are used. The distress alert will repeat automatically at random intervals, a few minutes apart, until an acknowledgement sent by DSC is received. (WRC-07)

**MOD** COM4/332/119 (B13/347/65) (R7/411/103)

B2 – Transmission of a shore-to-ship distress alert relay or a distress call relay (WRC-07)

**MOD** COM4/332/120 (B13/347/66) (R7/411/104)

**32.14** § 10 1) A station or a rescue coordination centre which receives a distress alert or call and a distress message shall initiate the transmission of a shore-to-ship distress alert relay addressed, as appropriate, to all ships, to a selected group of ships, or to a specific ship, by satellite and/or terrestrial means. (WRC-07)

**MOD** COM4/332/121 (B13/347/67) (R7/411/105)

**32.15** 2) The distress alert relay and the distress call relay shall contain the identification of the mobile unit in distress, its position and all other information which might facilitate rescue. (WRC-07)

**MOD** COM4/332/122 (B13/347/68) (R7/411/106)

B3 – Transmission of a distress alert relay or a distress call relay by a station not itself in distress (WRC-07)

**MOD** COM4/332/123 (B13/347/69) (R7/411/107)

**32.16** § 11 A station in the mobile or mobile-satellite service which learns that a mobile unit is in distress (for example, by a radio call or by observation) shall initiate and transmit a distress alert relay or a distress call relay on behalf of the mobile unit in distress once it has ascertained that any of the following circumstances apply: (WRC-07)

**MOD** COM4/332/124 (B13/347/70) (R7/411/108)

**32.17 a)** on receiving a distress alert or call which is not acknowledged by a coast station or another vessel within five minutes (see also Nos. **32.29A** and **32.31**); (WRC-07)

**MOD** COM4/332/125 (B13/347/71) (R7/411/109)

**32.18 b)** on learning that the mobile unit in distress is otherwise unable or incapable of participating in distress communications, if the master or other person responsible for the mobile unit not in distress considers that further help is necessary. (WRC-07)

**MOD** COM4/332/126 (B13/347/72) (R7/411/110)

**32.19 § 12 1)** The distress relay on behalf of a mobile unit in distress shall be sent in a form appropriate to the circumstances (see Nos. **32.19A** to **32.19D**) using either a distress call relay by radiotelephony (see Nos. **32.19D** and **32.19E**), an individually addressed distress alert relay by DSC (see No. **32.19B**), or a distress priority message through a ship earth station. (WRC-07)

**ADD** COM4/332/127 (B13/347/73) (R7/411/111)

**32.19A 2)** A station transmitting a distress alert relay or a distress call relay in accordance with Nos. **32.16** to **32.18** shall indicate that it is not itself in distress. (WRC-07)

**ADD** COM4/332/128 (B13/347/74) (R7/411/112)

**32.19B 3)** A distress alert relay sent by DSC should use the call format, as found in the most recent version of Recommendations ITU-R M.493 and ITU-R M.541, and should preferably be addressed to an individual coast station or rescue coordination centre<sup>aa</sup>. (WRC-07)

**ADD** COM4/332/129 (B13/347/75) (R7/411/113)

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<sup>aa</sup> **32.19B.1** Vessels making a distress alert relay or a distress call relay should ensure that a suitable coast station or rescue coordination centre is informed of any distress communications previously exchanged. (WRC-07)

**ADD** COM4/332/130 (B13/347/76) (R7/411/114)

**32.19C 4)** However, a ship shall not transmit a distress alert relay to all ships by digital selective calling on the VHF or MF distress frequencies following receipt of a distress alert sent by digital selective calling by the ship in distress. (WRC-07)

**ADD** COM4/332/131 (B13/347/77) (R7/411/115)

**32.19D 5)** When an aural watch is being maintained on shore and reliable ship-to-shore communications can be established by radiotelephony, a distress call relay is sent by radiotelephony and addressed to the relevant coast station or rescue coordination centre<sup>bb</sup> on the appropriate frequency. (WRC-07)

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<sup>bb</sup> **32.19D.1** Vessels making a distress call relay should ensure that a suitable coast station or rescue coordination centre is informed of any distress communications previously exchanged. (WRC-07)

**ADD** COM4/332/132 (B13/347/78) (R7/411/116)

**ADD** COM4/332/133 (B13/347/79) (R7/411/117)

**32.19E** 6) The distress call relay sent by radiotelephony should be given in the following form:

- the distress signal MAYDAY RELAY, spoken three times;
- ALL STATIONS or coast station name, as appropriate, spoken three times;
- the words THIS IS;
- the name of the relaying station, spoken three times;
- the call sign or other identification of the relaying station;
- the MMSI (if the initial alert has been sent by DSC) of the relaying station (the vessel not in distress). (WRC-07)

**ADD** COM4/332/134 (B13/347/80) (R7/411/118)

**32.19F** 7) This call shall be followed by a distress message which shall, as far as possible, repeat the information<sup>cc</sup> contained in the original distress alert or distress message. (WRC-07) **ADD** COM4/332/135 (B13/347/81) (R7/411/119)

**ADD** COM4/332/136 (B13/347/82) (R7/411/120)

<sup>cc</sup> **32.19F.1** If the station in distress cannot be identified, then it will be necessary to originate the distress message as well, using, for example, terms such as ‘Unidentified trawler’ refer to the mobile unit in distress. (WRC-07)

**32.19G** 8) When no aural watch is being maintained on shore, or there are other difficulties in establishing reliable ship-to-shore communications by radiotelephony, an appropriate coast station or rescue coordination centre may be contacted by sending an individual distress alert relay by DSC, addressed solely to that station and using the appropriate call formats. (WRC-07)

**ADD** COM4/332/137 (B13/347/83) (R7/411/121)

**32.19H** 9) In the event of continued failure to contact a coast station or rescue coordination centre directly, it may be appropriate to send a distress call relay by radiotelephony addressed to all ships, or to all ships in a certain geographical area. See also No. 32.19C. (WRC-07)

**MOD** COM4/332/138 (B13/347/84) (R7/411/122)

**32.20 C** – *Receipt and acknowledgement of distress alerts and distress calls* (WRC-07)

C1 – Procedure for acknowledgement of receipt of distress alerts or a distress call (WRC-07)

**MOD** COM4/332/139 (B13/347/85) (R7/411/123)

**32.21** § 13 1) Acknowledgement of receipt of a distress alert, including a distress alert relay, shall be made in the manner appropriate to the method of transmission of the alert and within the time-scale appropriate to the role of the station in receipt of the alert. Acknowledgement by satellite shall be sent immediately. (WRC-07)

**ADD** COM4/332/140 (B13/347/86) (R7/411/124)

**32.21A** 2) When acknowledging receipt of a distress alert sent by DSC<sup>dd</sup>, the acknowledgement in the terrestrial services shall be made by DSC, radiotelephony or narrow-band direct-printing telegraphy as appropriate to the circumstances, on the associated distress and safety frequency in the same band in which the distress alert was received, taking due account of the directions given in the most recent versions of Recommendations ITU-R M.493 and ITU-R M.541. (WRC-07)

**ADD** COM4/332/141 (B13/347/87) (R7/411/125)

<sup>dd</sup> **32.21A.1** In order to ensure that no unnecessary delay occurs before the shore-based authorities become aware of a distress incident, the acknowledgement by DSC to a distress alert sent by DSC shall normally only be made by a coast station or a rescue coordination centre. An acknowledgement by DSC will cancel any further automated repetition of the distress alert using DSC. (WRC-07)

**ADD** COM4/332/142 (B13/347/88) (R7/411/126)

**32.21B** Acknowledgement by DSC of a distress alert sent by DSC addressed to stations in the maritime mobile service shall be addressed to all stations<sup>dd</sup>. (WRC-07)

**SUP** COM4/332/143 (B13/347/89) (R7/411/127)

**32.22**

**MOD** COM4/332/144 (B13/347/90) (R7/411/128)

**32.23** § 15 1) When acknowledging by radiotelephony the receipt of a distress alert or a distress call from a ship station or a ship earth station, the acknowledgement should be given in the following form:

- the distress signal MAYDAY;
- the name followed by the call sign, or the MMSI or other identification of the station sending the distress message;
- the words THIS IS;
- the name and call sign or other identification of the station acknowledging receipt;
- the word RECEIVED;
- the distress signal MAYDAY. (WRC-07)

**MOD** COM4/332/145 (B13/347/91) (R7/411/129)

**32.24** 2) When acknowledging by narrow-band direct-printing telegraphy the receipt of a distress alert from a ship station, the acknowledgement should be given in the following form:

- the distress signal MAYDAY;
- the call sign or other identification of the station sending the distress alert;
- the word DE;
- the call sign or other identification of the station acknowledging receipt of the distress alert;
- the signal RRR;
- the distress signal MAYDAY. (WRC-07)

**SUP** COM4/332/146 (B13/347/92) (R7/411/130)

**32.25****MOD** COM4/332/147 (B13/347/93) (R7/411/131)

C2 – Receipt and acknowledgement by a coast station, a coast earth station or a rescue coordination centre (WRC-07)

**MOD** COM4/332/148 (B13/347/94) (R7/411/132)**32.26** § 17 Coast stations and the appropriate coast earth stations in receipt of distress alerts or distress calls shall ensure that they are routed as soon as possible to a rescue coordination centre. In addition, receipt of a distress alert or a distress call is to be acknowledged as soon as possible by a coast station, or by a rescue coordination centre via a coast station or an appropriate coast earth station. A shore-to-ship distress alert relay or a distress call relay (see Nos. **32.14** and **32.15**) shall also be made when the method of receipt warrants a broadcast alert to shipping or when the circumstances of the distress incident indicate that further help is necessary. (WRC-07)**MOD** COM4/332/149 (B13/347/95) (R7/411/133)**32.27** § 18 A coast station using DSC to acknowledge a distress alert shall transmit the acknowledgement on the distress calling frequency on which the distress alert was received and should address it to all ships. The acknowledgement shall include the identification of the ship whose distress alert is being acknowledged. (WRC-07)**MOD** COM4/332/150 (B13/347/96) (R7/411/134)

C3 – Receipt and acknowledgement by a ship station or ship earth station (WRC-07)

**MOD** COM4/332/151 (B13/347/97) (R7/411/135)**32.28** § 19 1) Ship or ship earth stations in receipt of a distress alert or a distress call shall, as soon as possible, inform the master or person responsible for the ship of the contents of the distress alert. (WRC-07)**MOD** COM4/332/152 (B13/347/98) (R7/411/136)**32.29** 2) In areas where reliable communications with one or more coast stations are practicable, ship stations in receipt of a distress alert or a distress call from another vessel should defer acknowledgement for a short interval so that a coast station may acknowledge receipt in the first instance. (WRC-07)**ADD** COM4/332/153 (B13/347/99) (R7/411/137)**32.29A** 3) Ship stations in receipt of a distress call sent by radiotelephony on the frequency 156.8 MHz (VHF channel 16) shall, if the call is not acknowledged by a coast station or another vessel within five minutes, acknowledge receipt to the vessel in distress and use any means available to relay the distress call to an appropriate coast station or coast earth station (see also Nos. **32.16** to **32.19F**). (WRC-07)**MOD** COM4/332/154 (B13/347/100) (R7/411/138)**32.30** § 20 1) Ship stations operating in areas where reliable communications with a coast station are not practicable which receive a distress alert or call from a ship station which is, beyond doubt, in their vicinity, shall, as soon as possible and if appropriately equipped, acknowledge

receipt to the vessel in distress and inform a rescue coordination centre through a coast station or coast earth station (see also Nos. **32.16** to **32.19H**). (WRC-07)

**MOD** COM4/332/155 (B13/347/101) (R7/411/139)

**32.31** 2) However in order to avoid making unnecessary or confusing transmissions in response, a ship station, which may be at a considerable distance from the incident, receiving an HF distress alert, shall not acknowledge it but shall observe the provisions of Nos. **32.36** to **32.38**, and shall, if the distress alert is not acknowledged by a coast station within five minutes, relay the distress alert, but only to an appropriate coast station or coast earth station (see also Nos. **32.16** to **32.19H**). (WRC-07)

**MOD** COM4/332/156 (B13/347/102) (R7/411/140)

**32.32** § 21 A ship station acknowledging receipt of a distress alert sent by DSC should, in accordance with No. **32.29** or No. **32.30**: (WRC-07)

**MOD** COM4/332/157 (B13/347/103) (R7/411/141)

**32.33** a) in the first instance, acknowledge receipt of the distress alert by using radiotelephony on the distress and safety traffic frequency in the band used for the alert, taking into account any instructions which may be issued by a responding coast station; (WRC-07)

**ADD** COM 4/332/158 (B13/347/104) (R7/411/142)

**32.34A** § 21A However, unless instructed to do so by a coast station or a rescue coordination centre, a ship station may only send an acknowledgement by DSC in the event that:

a) no acknowledgement by DSC from a coast station has been observed; and

b) no other communication by radiotelephony or narrow-band direct-printing telegraphy to or from the vessel in distress has been observed; and

c) at least five minutes have elapsed and the distress alert by DSC has been repeated (see No. **32.21A.1**). (WRC-07)

**MOD** COM4/332/159 (B13/347/105) (R7/411/143)

**32.35** § 22 A ship station in receipt of a shore-to-ship distress alert relay or distress call relay (see No. **32.14**) should establish communication as directed and render such assistance as required and appropriate. (WRC-07)

**MOD** COM4/332/160 (B13/347/106) (R7/411/144)

**32.37** § 23 On receipt of a distress alert or a distress call, ship stations and coast stations shall set watch on the radiotelephone distress and safety traffic frequency associated with the distress and safety calling frequency on which the distress alert was received. (WRC-07)

**MOD** COM4/332/161 (B13/347/107) (R7/411/145)

**32.38** § 24 Coast stations and ship stations with narrow-band direct-printing equipment shall set watch on the narrow-band direct-printing frequency associated with the distress alert if it indicates that narrow-band direct-printing is to be used for subsequent distress communica-



tions. If practicable, they should additionally set watch on the radiotelephone frequency associated with the distress alert frequency. (WRC-07)

*Section III – Distress traffic*

**SUP** COM4/332/162 (B13/347/108) (R7/411/146)

**32.41**

**MOD** COM4/332/163 (B13/347/109) (R7/411/147)

**32.45** § 28 1) The rescue coordination centre responsible for controlling a search and rescue operation shall also coordinate the distress traffic relating to the incident or may appoint another station to do so. (WRC-07)

**MOD** COM4/332/164 (B13/347/110) (R7/411/148)

**32.51** § 31 When distress traffic has ceased on frequencies which have been used for distress traffic, the station controlling the search and rescue operation shall initiate a message for transmission on these frequencies indicating that distress traffic has finished. (WRC-07)

**MOD** COM4/332/165 (B13/347/111) (R7/411/149)

**32.52** § 32 1) In radiotelephony, the message referred to in No. **32.51** should consist of:

- the distress signal MAYDAY;
- the call “ALL STATIONS”, spoken three times;
- the words THIS IS;
- the name of the station sending that message, spoken three times;
- the call sign or other identification of the station sending the message;
- the time of handing in of the message;
- the MMSI (if the initial alert has been sent by DSC), the name and the call sign of the mobile station which was in distress;
- the words SEELONCE FEENEE pronounced as the French words “silence fini”. (WRC-07)

**ADD** COM4/332/166 (B13/347/112) (R7/411/150)

**32.53A** *Cancellation of an inadvertent distress alert* (WRC-07)

**ADD** COM 4/332/167 (B13/347/113) (R7/411/151)

**32.53B** § 32A 1) A station transmitting an inadvertent distress alert or call shall cancel the transmission. (WRC-07)

**ADD** COM4/332/168 (B13/347/114) (R7/411/152)

**32.53C** 2) An inadvertent DSC alert shall be cancelled by DSC, if the DSC equipment is so capable. The cancellation should be in accordance with the most recent version of Recommendation ITU-R M.493. In all cases, cancellations shall also be transmitted by radiotelephone in accordance with **32.53E**. (WRC-07)

**ADD** COM4/332/169 (B13/347/115) (R7/411/153)

**32.53D** 3) An inadvertent distress call shall be cancelled by radiotelephone in accordance with the procedure in **32.53E**. (WRC-07)

**ADD** COM4/332/170 (B13/347/116) (R7/411/154)

**32.53E** 4) Inadvertent distress transmissions shall be cancelled orally on the associated distress and safety frequency in the same band on which the distress transmission was sent, using the following procedure:

- the call “ALL STATIONS”, spoken three times;
- the words THIS IS;
- the name of the vessel, spoken three times;
- the call sign or other identification;
- the MMSI (if the initial alert has been sent by DSC);
- PLEASE CANCEL MY DISTRESS ALERT OF time in UTC.

Monitor the same band on which the inadvertent distress transmission was sent and respond to any communications concerning that distress transmission as appropriate. (WRC-07)

**MOD** COM 4/332/171 (B13/347/117) (R7/411/155)

**32.63** 3) Locating signals may be transmitted in the following frequency bands:

- 117.975-137 MHz;
- 156-174 MHz;
- 406-406.1 MHz; and
- 9200-9500 MHz. (WRC-07)

**SUP** COM 4/332/172 (B13/347/118) (R7/411/156)

**32.64**

#### Article 33

*Operational procedures for urgency and safety communications in the global maritime distress and safety system (GMDSS)*

##### *Section I – General*

**MOD** COM4/332/26 (B13/347/119)  
(R7/411/157)

**33.1** § 1 1) Urgency and safety communications include: (WRC-07)

**ADD** COM4/332/27 (B13/347/120) (R7/411/158) **33.7A** 2) Urgency communications shall have priority over all other communications, except distress. (WRC-07)

**ADD** COM4/332/28 (B13/347/121) (R7/411/159)

**33.7B** 3) Safety communications shall have priority over all other communications, except distress and urgency. (WRC-07)

##### *Section II – Urgency communications*

**ADD** COM4/332/29 (B13/347/122) (R7/411/160)

**33.7C** § 1A The following terms apply:

a) The urgency announcement is a digital selective call using an urgency call format<sup>1</sup>, in the bands used for terrestrial radiocommunication, or an urgency message format, in which case it is relayed through space stations.

b) The urgency call is the initial voice or text procedure.

c) The urgency message is the subsequent voice or text procedure. (WRC-07)

**ADD** COM4/332/31 (B13/347/123) (R7/411/161)

**MOD** COM4/332/30 (B13/347/124) (R7/411/162)

**33.8** § 2 1) In a terrestrial system, urgency communications consist of an announcement, transmitted using digital selective calling, followed by the urgency call and message transmitted using radiotelephony, narrow-band direct-printing, or data. The announcement of the urgency message shall be made on one or more of the distress and safety calling frequencies specified in Section I of Article **31** using either digital selective calling and the urgency call format, or if not available, radio telephony procedures and the urgency signal. Announcements using digital selective calling should use the technical structure and content set forth in the most recent version of Recommendations ITU-R M.493 and ITU-R M.541. A separate announcement need not be made if the urgency message is to be transmitted through the maritime mobile-satellite service. (WRC-07)

**ADD** COM4/332/32 (B13/347/125) (R7/411/163)

**33.8A** 2) Ship stations not equipped for digital selective calling procedures may announce an urgency call and message by transmitting the urgency signal by radiotelephony on the frequency 156.8 MHz (channel 16), while taking into account that other stations outside VHF range may not receive the announcement. (WRC-07)

**ADD** COM4/332/33 (B13/347/126) (R7/411/164)

**33.8B** 3) In the maritime mobile service, urgency communications may be addressed either to all stations or to a particular station. When using digital selective calling techniques, the urgency announcement shall indicate which frequency is to be used to send the subsequent message and, in the case of a message to all stations, shall use the "All Ships" format setting. (WRC-07)

**ADD** COM4/332/34 (B13/347/127) (R7/411/165)

**33.8C** 4) Urgency announcements from a coast station may also be directed to a group of vessels or to vessels in a defined geographical area. (WRC-07)

**MOD** COM4/332/35 (B13/347/128) (R7/411/166)

**33.9** § 3 1) The urgency call and message shall be transmitted on one or more of the distress and safety traffic frequencies specified in Section I of Article **31**. (WRC-07)

**ADD** COM4/332/36 (B13/347/129) (R7/411/167)

<sup>1</sup> **33.7C.1** The format of urgency calls and urgency messages should be in accordance with the relevant ITU-R Recommendations. (WRC-07)

**33.9A** 2) However, in the maritime mobile service, the urgency message shall be transmitted on a working frequency:

- a) in the case of a long message or a medical call; *or*
- b) in areas of heavy traffic when the message is being repeated.

An indication to this effect shall be included in the urgency announcement or call. (WRC-07)

**ADD** COM4/332/37 (B13/347/130) (R7/411/168)

**33.9B** 3) In the maritime mobile-satellite service, a separate urgency announcement or call does not need to be made before sending the urgency message. However, if available, the appropriate network priority access settings should be used for sending the message. (WRC-07)

**MOD** COM4/332/38 (B13/347/131) (R7/411/169)

**33.11** § 5 1) The urgency call format and the urgency signal indicate that the calling station has a very urgent message to transmit concerning the safety of a mobile unit or a person. (WRC-07)

**ADD** COM4/332/39 (B13/347/132) (R7/411/170)

**33.11A** 2) Communications concerning medical advice may be preceded by the urgency signal. Mobile stations requiring medical advice may obtain it through any of the land stations shown in the List of Coast Stations and Special Service Stations. (WRC-07)

**ADD** COM4/332/40 (B13/347/133) (R7/411/171)

**33.11B** 3) Urgency communications to support search and rescue operations need not be preceded by the urgency signal. (WRC-07)

**MOD** COM4/332/41 (B13/347/134) (R7/411/172)

**33.12** § 6 1) The urgency call should consist of:

- the urgency signal PAN PAN, spoken three times;
- the name of the called station or “all stations”, spoken three times;
- the words THIS IS;
- the name of the station transmitting the urgency message, spoken three times;
- the call sign or any other identification;
- the MMSI (if the initial announcement has been sent by DSC), followed by the urgency message or followed by the details of the channel to be used for the message in the case where a working channel is to be used.

In radiotelephony, on the selected working frequency, the urgency call and message consists of:

- the urgency signal PAN PAN, spoken three times;
- the name of the called station or “all stations”, spoken three times;
- the words THIS IS;
- the name of the station transmitting the urgency message, spoken three times;
- the call sign or any other identification;
- the MMSI (if the initial announcement has been sent by DSC);
- the text of the urgency message. (WRC-07)

**MOD** COM4/332/42 (B13/347/135) (R7/411/173)

**33.14** § 7 1) The urgency call format or urgency signal shall be sent only on the authority of the person responsible for the ship, aircraft or other vehicle carrying the mobile station or mobile earth station. (WRC-07)

**ADD** COM4/332/43 (B13/347/136) (R7/411/174)

**33.15A** § 7A 1) Ship stations in receipt of an urgency announcement or call addressed to all stations shall not acknowledge. (WRC-07)

**ADD** COM4/332/44 (B13/347/137) (R7/411/175)

**33.15B** 2) Ship stations in receipt of an urgency announcement or call of an urgency message shall monitor the frequency or channel indicated for the message for at least five minutes. If, at the end of the five-minute monitoring period, no urgency message has been received, a coast station should, if possible, be notified of the missing message. Thereafter, normal working may be resumed. (WRC-07)

**ADD** COM4/332/45 (B13/347/138) (R7/411/176)

**33.15C** 3) Coast and ship stations which are in communication on frequencies other than those used for the transmission of the urgency signal or the subsequent message may continue their normal work without interruption, provided that the urgency message is not addressed to them nor broadcast to all stations. (WRC-07)

**MOD** COM4/332/46 (B13/347/139) (R7/411/177)

**33.16** § 8 When an urgency announcement or call and message was transmitted to more than one station and action is no longer required, an urgency cancellation should be sent by the station responsible for its transmission.

The urgency cancellation should consist of:

- the urgency signal PAN PAN, spoken three times;
- “all stations”, spoken three times;
- the words THIS IS;
- the name of the station transmitting the urgency message, spoken three times;
- the call sign or any other identification;
- the MMSI (if the initial announcement has been sent by DSC);
- PLEASE CANCEL URGENCY MESSAGE OF time in UTC.

(WRC-07)

### *Section III – Medical transports*

**MOD** COM4/332/47 (B13/347/140) (R7/411/178)

**33.20** § 11 1) For the purpose of announcing and identifying medical transports which are protected under the above-mentioned Conventions, the procedure of Section II of this Article is used. The urgency call shall be followed by the addition of the single word MEDICAL in narrow-band direct-printing and by the addition of the single word MAY-DEE-CAL pronounced as in French “médical”, in radiotelephony. (WRC-07)

**ADD** COM4/332/48 (B13/347/141) (R7/411/179)

**33.20A** 2) When using digital selective calling techniques, the urgency announcement on the appropriate Digital Selective Calling distress and safety frequencies shall always be addressed to all stations on VHF and to a specified geographical area on MF and HF and shall indicate “Medical transport” in accordance with the most recent version of Recommendations ITU-R M.493 and ITU-R M.541. (WRC-07)

**ADD** COM4/332/49 (B13/347/142) (R7/411/180)

**33.20B** 3) Medical transports may use one or more of the distress and safety traffic frequencies specified in Section I of Article **31** for the purpose of self-identification and to establish communications. As soon as practicable, communications shall be transferred to an appropriate working frequency. (WRC-07)

**MOD** COM4/332/50 (B13/347/143) (R7/411/181)

**33.21** § 12 The use of the signals described in Nos. **33.20** and **33.20A** indicates that the message which follows concerns a protected medical transport. The message shall convey the following data: (WRC-07)

**SUP** COM4/332/51 (B13/347/144) (R7/411/182)

**33.28**

**SUP** COM4/332/52 (B13/347/145) (R7/411/183)

**33.29**

#### *Section IV – Safety communications*

**ADD** COM4/332/53 (B13/347/146) (R7/411/184)

**33.30A** § 14A The following terms apply:

- a) the safety announcement is a digital selective call using a safety call format in the bands used for terrestrial radiocommunication or a safety message format, in which case it is relayed through space stations;
  - b) the safety call is the initial voice or text procedure;
  - c) the safety message is the subsequent voice or text procedure.
- (WRC-07)

**MOD** COM4/332/54 (B13/347/147) (R7/411/185)

**33.31** § 15 1) In a terrestrial system, safety communications consist of a safety announcement, transmitted using digital selective calling, followed by the safety call and message transmitted using radiotelephony, narrow-band direct-printing or data. The announcement of the safety message shall be made on one or more of the distress and safety calling frequencies specified in Section I of Article **31** using either digital selective calling techniques and the safety call format, or radio-telephony procedures and the safety signal. (WRC-07)

**MOD** COM4/332/55 (B13/347/148) (R7/411/186)

**33.31A** 2) However, in order to avoid unnecessary loading of the distress and safety calling frequencies specified for use with digital selective calling techniques:

- a) safety messages transmitted by coast stations in accordance with a predefined timetable should not be announced by digital selective calling techniques;

b) safety messages which only concern vessels sailing in the vicinity should be announced using radiotelephony procedures. (WRC-07)

**ADD** COM4/332/56 (B13/347/149) (R7/411/187)

**33.31B** 3) In addition, ship stations not equipped for digital selective calling procedures may announce a safety message by transmitting the safety call by radiotelephony. In such cases the announcement shall be made using the frequency 156.8 MHz (VHF channel 16), while taking into account that other stations outside VHF range may not receive the announcement. (WRC-07)

**ADD** COM4/332/57 (B13/347/150) (R7/411/188)

**33.31C** 4) In the maritime mobile service, safety messages shall generally be addressed to all stations. In some cases, however, they may be addressed to a particular station. When using digital selective calling techniques, the safety announcement shall indicate which frequency is to be used to send the subsequent message and, in the case of a message to all stations, shall use the "All Ships" format setting. (WRC-07)

**MOD** COM4/332/58 (B13/347/151) (R7/411/189)

**33.32** § 16 1) In the maritime mobile service, the safety message shall, where practicable, be transmitted on a working frequency in the same band(s) as those used for the safety announcement or call. A suitable indication to this effect shall be made at the end of the safety call. In the case that no other option is practicable, the safety message may be sent by radiotelephony on the frequency 156.8 MHz (VHF channel 16). (WRC-07)

**ADD** COM4/332/59 (B13/347/152) (R7/411/190)

**33.32A** 2) In the maritime mobile-satellite service, a separate safety announcement or call does not need to be made before sending the safety message. However, if available, the appropriate network priority access settings should be used for sending the message. (WRC-07)

**MOD** COM4/332/60 (B13/347/153) (R7/411/191)

**33.34** § 18 1) The safety call format or the safety signal indicates that the calling station has an important navigational or meteorological warning to transmit. (WRC-07)

**ADD** COM4/332/61 (B13/347/154) (R7/411/192)

**33.34A** 2) Messages from ship stations containing information concerning the presence of cyclones shall be transmitted, with the least possible delay, to other mobile stations in the vicinity and to the appropriate authorities through a coast station, or through a rescue coordination centre via a coast station or an appropriate coast earth station. These transmissions shall be preceded by the safety announcement or call. (WRC-07)

**ADD** COM4/332/62 (B13/347/155) (R7/411/193)

**33.34B** 3) Messages from ship stations, containing information on the presence of dangerous ice, dangerous wrecks, or any other imminent danger to marine navigation, shall be transmitted as soon as possible to other ships in the vicinity, and to the appropriate authorities through a coast station, or through a rescue coordination centre via a coast station

or an appropriate coast earth station. These transmissions shall be preceded by the safety announcement or call. (WRC-07)

**MOD** COM4/332/63 (B13/347/156) (R7/411/194)

**33.35** § 19 1) The complete safety call should consist of:

- the safety signal SÉCURITÉ, spoken three times;
- the name of the called station or “all stations”, spoken three times;
- the words THIS IS;
- the name of the station transmitting the safety message, spoken three times;
- the call sign or any other identification;
- the MMSI (if the initial announcement has been sent by DSC), followed by the safety message or followed by the details of the channel to be used for the message in the case where a working channel is to be used.

In radiotelephony, on the selected working frequency, the safety call and message should consist of:

- the safety signal SÉCURITÉ, spoken three times;
- the name of the called station or “all stations”, spoken three times;
- the words THIS IS;
- the name of the station transmitting the safety message, spoken three times;
- the call sign or any other identification;
- the MMSI (if the initial alert has been sent by DSC);
- the text of the safety message. (WRC-07)

**ADD** COM4/332/64 (B13/347/157) (R7/411/195)

**33.38A** § 20A 1) Ship stations in receipt of a safety announcement using digital selective calling techniques and the ‘All Ships’ format setting, or otherwise addressed to all stations, shall not acknowledge. (WRC-07)

**ADD** COM4/332/65 (B13/347/158) (R7/411/196)

**33.38B** 2) Ship stations in receipt of a safety announcement or safety call and message shall monitor the frequency or channel indicated for the message and shall listen until they are satisfied that the message is of no concern to them. They shall not make any transmission likely to interfere with the message. (WRC-07)

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

**MOD** COM4/332/66 (B13/347/159) (R7/411/197)

**SUP** COM4/332/67 (B13/347/160) (R7/411/198)

**33.39A**

**SUP** COM4/332/68 (B13/347/161) (R7/411/199)

**33.39B**

<sup>1)</sup> **33.V.1** Maritime safety information includes navigation and meteorological warnings, meteorological forecasts and other urgent messages pertaining to safety transmitted from coast stations or coast earth stations. (WRC-07)



**SUP** COM4/332/69 (B13/347/162) (R7/411/200)  
**33.40**  
**MOD** COM4/332/70 (B13/347/163) (R7/411/201)

*Section VII – Use of other frequencies for safety (WRC-07)*

**MOD** COM4/332/71 (B13/347/164) (R7/411/202)

**33.53** § 28 Radiocommunications for safety purposes concerning ship reporting communications, communications relating to the navigation, movements and needs of ships and weather observation messages may be conducted on any appropriate communications frequency, including those used for public correspondence. In terrestrial systems, the bands 415-535 kHz (see Article 52), 1 606.5-4 000 kHz (see Article 52), 4 000-27 500 kHz (see Appendix 17), and 156-174 MHz (see Appendix 18) are used for this function. In the maritime mobile-satellite service, frequencies in the bands 1530-1544 MHz and 1626.5-1645.5 MHz are used for this function as well as for distress alerting purposes (see No. 32.2). (WRC-07)

**SUP**

*Section VIII – Medical advice*

**SUP** COM4/332/72 (B13/347/165) (R7/411/203)  
**33.54**  
**SUP** COM4/332/73 (B13/347/166) (R7/411/204)  
**33.55**

Article 34

*Alerting signals in the global maritime distress and safety system (GMDSS)*

*Section I – Emergency position-indicating radiobeacon (EPIRB) and satellite EPIRB signals*

**MOD** COM4/296/24 (B9/305/26) (R4/335/41)

**34.1** § 1 The emergency position-indicating radiobeacon signal in the band 406-406.1 MHz shall be in accordance with Recommendation ITU-R M.633-3. (WRC-07)

Article 41

*Communications with stations in the maritime services*

**MOD** COM4/296/25 (B9/305/27) (R4/335/42)

**41.1** Stations on board aircraft may communicate, for purposes of distress, and for public correspondence<sup>1</sup>, with stations of the maritime

mobile or maritime mobile-satellite services. For these purposes, they shall conform to the relevant provisions of Chapter VII and Chapter IX, Articles 51 (Section III), 53, 54, 55, 57 and 58 (see also Nos. 4.19, 4.20 and 43.4). (WRC-07)

#### Article 47

##### *Operator's certificates*

###### *Section I – General provisions*

**MOD** COM4/380/13 (B17/404/16)

**47.2** § 1 1) The service of every ship radiotelephone station, ship earth station and ship station using the frequencies and techniques for GMDSS, as prescribed in Chapter VII, shall be controlled by an operator holding a certificate issued or recognized by the government to which the station is subject. Provided the station is so controlled, other persons besides the holder of the certificate may use the equipment. (WRC-07)

**SUP** COM4/380/14 (B17/404/17)

**47.6** to **47.8**

**MOD** COM4/380/15 (B17/404/18)

**47.18** § 5 1) Each administration may determine the conditions under which personnel holding certificates specified in Section II may be granted certificates specified in Nos. **47.20** to **47.23B**. (WRC-07)

**ADD** COM4/380/16 (B17/404/19)

**47.18A** 2) Each administration may determine the conditions under which personnel holding certificates for equipment that operate with non-GMDSS frequencies and techniques may be granted certificates specified in Nos. **47.26** and **47.27**. (WRC-07)

###### *Section II – Categories of operator's certificates*

**ADD** COM4/380/17 (B17/404/20)

*A – GMDSS certificates* (WRC-07)

**MOD** COM4/380/18 (B17/404/21)

**47.19** § 6 1) There are six categories of certificates, shown in descending order of requirements, for personnel of ship stations and ship earth stations using the frequencies and techniques prescribed in Chapter VII. An operator meeting the requirements of a certificate automatically meets all of the requirements of lower order certificates. (WRC-07)

**ADD** COM4/380/19 (B17/404/22)

**47.23A** e) Long range certificate (for non-SOLAS vessels). (WRC-07)

**ADD** COM4/380/20 (B17/404/23)

**47.23B** f) Short range certificate (for non-SOLAS vessels). (WRC-07)

**ADD** COM4/380/21 (B17/404/24)

*B – Non-GMDSS certificates* (WRC-07)

*Section III – Conditions for the issue of certificates***MOD** COM4/380/22 (B17/404/25)**47.25** § 7 1) There are six categories of certificates. Existing certificates of the categories listed in No. **47.26** may continue to be used for the purposes they were issued for. (WRC-07)**SUP** COM4/380/26 (B17/404/27)*Section IV – Qualifying service<sup>1</sup> (WRC-03)***MOD** COM4/380/23 (B17/404/28)**47.26** § 8 The following maritime radio operator's certificates are still valid:

1. Radiocommunication operator's general certificate.
2. First-class radio telegraph operator's certificate.
3. Second-class radio telegraph operator's certificate.
4. Radiotelegraph operator's special certificate.
5. Radiotelephone operator's general certificate.
6. Restricted radiotelephone operator's certificate. (WRC-07)

**MOD** COM4/380/24 (B17/404/29)**47.27** § 9 The requirements for the certificates of this section, for which candidates must show proof of technical and professional knowledge and qualification, are shown in Table **47-1**. (WRC-07)**TABLE 47-1***Requirements for radio electronic and operator's certificates***ADD** COM4/380/25 (B17/404/26)NOTE 2 – The conditions for the issuing of the long-range and short-range Certificates are contained in Resolution **343 (WRC-97)**. (WRC-07)**SUP** COM4/380/27 (B17/404/30)**47.28** to **47.29**

## Article 50

*Working hours of stations***MOD** COM4/380/70 (B17/404/31)**50.4** 2) These hours of service shall be notified to the Radiocommunication Bureau, who shall publish them in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)**MOD** COM4/380/71 (B17/404/32)**50.5** § 4 Coast stations whose service is not continuous shall not close before finishing all operations resulting from a distress call or from an urgency or safety signal. (WRC-07)**SUP** COM4/380/72 (B17/404/33)

## 50.6 to 50.9

## Article 51

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

**SUP** COM 4/296/26 (B9/305/28) (R4/335/43)

**51.8 to 51.23**

**MOD** COM 4/380/28 (B17/404/34)

**51.35** b) send and receive class F1B or J2B emissions on an international calling channel (specified in Recommendation ITU-R M.541-9) in each of the HF maritime mobile bands necessary for their service; (WRC-07)

**MOD** COM 4/296/27 (B9/305/29) (R4/335/44)

**51.53** a) send class J3E emissions on a carrier frequency of 2 182 kHz and receive class J3E emissions on a carrier frequency of 2182 kHz, except for such apparatus as is referred to in No. **51.56**; (WRC-07)

**MOD** COM 4/296/28 (B9/305/30) (R4/335/45)

**51.58** § 23 All ship stations equipped with radiotelephony to work in the authorized bands between 4000 kHz and 27500 kHz and which do not comply with the provisions of Chapter **VII** should be able to send and receive on the carrier frequencies 4 125 kHz and 6 215 kHz. However, all ship stations which comply with the provisions of Chapter **VII** shall be able to send and receive on the carrier frequencies designated in Article **31** for distress and safety traffic by radiotelephony for the frequency bands in which they are operating. (WRC-07)

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

**MOD** COM6/341/21 (B14/365/39) (R7/411/206)

**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 the most recent version of 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-07)

**MOD** COM4/296/29 (B9/305/31) (R4/335/46)

**51.79** 2) The frequency 156.3 MHz may be used by stations on board aircraft for safety purposes. It may also be used for communication between ship stations and stations on board aircraft engaged in coordinated search and rescue operations (see Appendix **15**). (WRC-07)

**MOD** COM4/296/30 (B9/305/32) (R4/335/47)

**51.80** 3) The frequency 156.8 MHz may be used by stations on board aircraft for safety purposes only (see Appendix **15**). (WRC-07)

Article 52

*Special rules relating to the use of frequencies*

**SUP** COM 4/296/31 (B9/305/33) (R4/335/48)

*Section II*

**SUP** COM 4/296/32 (B9/305/34) (R4/335/49)  
**52.16** to **52.93**

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

**MOD** COM4/380/29 (B17/404/35)

**52.95** § 44 Frequencies assigned to coast stations for narrow-band direct-printing telegraphy shall be indicated in the List of Coast Stations and Special Service Stations (List IV). This List shall also indicate any other useful information concerning the service performed by each coast station. (WRC-07)

**MOD** COM4/296/33 (B9/305/35) (R4/335/50)

**52.101** 2) Narrow-band direct-printing telegraphy is forbidden in the band 21702 194 kHz, except as provided for in Appendix **15** and Resolution **354 (WRC-07)**. (WRC-07)

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

**MOD** COM4/380/30 (B17/404/36)

**52.112** § 51 The characteristics of the digital selective-calling equipment shall be in accordance with Recommendation ITU-R M.541-9 and should be in accordance with the most recent version of Recommendation ITU-R M.493. (WRC-07)

**MOD** COM4/380/31 (B17/404/37)

**52.113** § 52 The frequencies on which coast stations provide services using digital selective-calling techniques shall be indicated in the List of Coast Stations and Special Service Stations (List IV), which shall also supply any other useful information concerning such services. (WRC-07)

**MOD** COM4/380/32 (B17/404/38)

**52.122** § 59 1) A coast station providing international public correspondence service using digital selective-calling techniques within the bands between 415 kHz and 526.5 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 and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/33 (B17/404/39)

**52.137** § 63 The frequency to be used for transmission of an acknowledgement shall normally be the frequency paired with the frequency used for the call received, as indicated in the List of Coast Stations and Special Service Stations (List IV) (see also No. **52.113**). (WRC-07)

**MOD** COM4/380/34 (B17/404/40)

**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 and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/35 (B17/404/41)

**52.148** b) subject to the provisions of No. **52.149**, one of the international digital selective calling frequencies. (WRC-07)

**MOD** COM4/380/36 (B17/404/42)

**52.149** 2) The international digital selective-calling frequencies shall be as indicated in Recommendation ITU-R M.541-9 and may be used by any ship station. In order to reduce interference on these frequencies, they shall only be used when calling cannot be made on nationally assigned frequencies. (WRC-07)

**MOD** COM4/380/37 (B17/404/43)

**52.152** b) subject to the provisions of No. **52.153**, one of the international digital selective-calling frequencies. (WRC-07)

**MOD** COM4/380/38 (B17/404/44)

**52.153** 2) The international digital selective-calling frequencies shall be as indicated in Recommendation ITU-R M.541-9 and may be assigned to any coast station. In order to reduce interference on these frequencies, they 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 concerned the ship station is maintaining watch. (WRC-07)

**MOD** COM4/380/39 (B17/404/45)

**52.155** 2) A coast station providing international public correspondence service using digital selective-calling techniques within the bands between 4 000 kHz and 27 500 kHz should, during its hours of service, maintain automatic digital selective-calling watch on the appropriate digital selective-calling frequencies as indicated in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/40 (B17/404/46)

**52.159** § 71 1) The frequency 156.525 MHz is an international frequency in the maritime mobile service used for distress, urgency, safety

and calling by digital selective-calling techniques (see Nos. **33.8** and **33.31** and Appendix **15**). (WRC-07)

**MOD** COM4/380/41 (B17/404/47)

**52.161** § 72 Information concerning watch-keeping by automatic digital selective-calling on the frequency 156.525 MHz by coast stations shall be given in the List of Coast Stations and Special Service Stations (List IV) (see also No. **31.13**). (WRC-07)

*Section VI – Use of frequencies for radiotelephony*

**MOD** COM4/380/42 (B17/404/48)

**52.180** § 84 The frequencies of transmission (and reception when these frequencies are in pairs as in the case of duplex radiotelephony) assigned to each coast station shall be indicated in the List of Coast Stations and Special Service Stations (List IV). This List shall also indicate any other useful information concerning the service performed by each coast station. (WRC-07)

**MOD** COM4/296/34 (B9/305/36) (R4/335/51)

**52.183** § 86 1) Unless otherwise specified in the Radio Regulations (see Nos. **51.53**, **52.188**, **52.189** and **52.199**), the class of emission to be used in the bands between 1606.5 kHz and 4 000 kHz shall be J3E. (WRC-07)

**MOD** COM4/380/43 (B17/404/49)

**52.187** 3) The normal mode of operation for each coast station shall be indicated in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/44 (B17/404/50)

**52.188** 4) Transmissions in the bands 2170-2173.5 kHz and 2190.5-2194 kHz with the carrier frequency 2170.5 kHz and the carrier frequency 2 191 kHz, respectively, are limited to class J3E emissions and are limited to a peak envelope power of 400 W. (WRC-07)

**MOD** COM4/296/35 (B9/305/37) (R4/335/52)

**52.189** § 87 1) The frequency 2 182 kHz<sup>2</sup> is an international distress frequency for radiotelephony (see Appendix **15** and Resolution 354 (WRC-07)). (WRC-07)

**MOD** COM4/380/45 (B17/404/51)

**52.200** 4) One of the frequencies which coast stations are required to be able to use (see No. **52.197**) is printed in heavy type in the List of Coast Stations and Special Service Stations (List IV) to indicate that it is the normal working frequency of the stations. Supplementary frequencies, if assigned, are shown in ordinary type. (WRC-07)

**SUP** COM4/296/36 (B9/305/38) (R4/335/53)

**52.209**

**MOD** COM4/380/46 (B17/404/52)

**52.212** – where the facility is open to ships of all nationalities by virtue of a note against each of the frequencies concerned in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/47 (B17/404/53)

**52.218** 2) The normal mode of operation of each coast station is indicated in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/296/37 (B9/305/39) (R4/335/54)

<sup>4</sup> **52.221.2** The carrier frequencies 4 125 kHz and 6 215 kHz are also authorized for common use by coast and ship stations for single-sideband radiotelephony on a simplex basis for call and reply purposes, provided that the peak envelope power of such stations does not exceed 1 kW. The use of these frequencies for working purposes is not permitted (see also No. **52.221.1**). (WRC-07)

**SUP** COM4/380/48 (B17/404/54)

<sup>6</sup> 52.222.1

**MOD** COM4/380/49 (B17/404/55)

**52.223** § 98 The hours of service of coast stations open to public correspondence and the frequency or frequencies on which watch is maintained shall be indicated in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/296/38 (B9/305/40) (R4/335/55)

**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. 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-07)

**SUP** COM4/380/50 (B17/404/56)

**53.235**

**MOD** COM4/380/51 (B17/404/57)

**52.236** 3) Any one of the channels designated in Appendix **18** for public correspondence may be used as a calling channel if an administration so desires. Such use shall be indicated in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**ADD** COM4/296/39 (B9/305/41) (R4/335/56)

**52.241A** 10) The frequency 156.525 MHz is the international distress, safety and calling frequency for the maritime mobile VHF radiotelephone service using digital selective calling (DSC) when using frequencies in the authorized bands between 156 MHz and 174 MHz. (WRC-07)

**ADD** COM4/296/40 (B9/305/42) (R4/335/57)

**52.241B** 11) All emissions in the band 156.4875-156.5625 MHz capable of causing harmful interference to the authorized transmissions of stations of the maritime mobile service on 156.525 MHz are forbidden. (WRC-07)

**ADD** COM4/296/41 (B9/305/43) (R4/335/58)



**52.241C** 12) To facilitate the reception of distress calls and distress traffic, all transmissions on 156.525 MHz shall be kept to a minimum. (WRC-07)

**MOD** COM4/296/42 (B9/305/44) (R4/335/59)

**52.242** § 102 1) A coast station open to the international public correspondence service should, during its hours of service, maintain watch on its receiving frequency or frequencies indicated in the List of Coast Stations and Special Service Stations. (WRC-07)

**MOD** COM4/380/52 (B17/404/58)

**52.247** § 103 A coast station in the port operations service in an area where 156.8 MHz is being used for distress, urgency or safety shall, during its working hours, keep an additional watch on 156.6 MHz or another port operations frequency indicated in heavy type in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

**MOD** COM4/380/53 (B17/404/59)

**52.248** § 104 A coast station in the ship movement service in an area where 156.8 MHz is being used for distress, urgency and safety shall, during its working hours, keep an additional watch on the ship movement frequencies indicated in heavy type in the List of Coast Stations and Special Service Stations (List IV). (WRC-07)

#### Article 54

##### *Selective calling*

**MOD** COM4/332/174 (B13/347/168) (R7/411/207)

**54.2** 2) Selective calling is carried out using a digital selective calling system which shall be in accordance with Recommendation ITU-R M.541-9, and may be in accordance with the most recent version of Recommendation ITU-R M.493. (WRC-07)

#### Article 55

##### *Morse radiotelegraphy*

**MOD** COM4/332/175 (B13/347/169) (R7/411/208)

**55.1** The recommended procedure for conducting Morse radiotelegraph communications is detailed in the most recent version of Recommendation ITU-R M.1170. (WRC-07)

#### Article 56

##### *Narrow-band direct-printing telegraphy*

**MOD** COM4/380/54 (B17/404/60)

**56.2** § 2 The procedures specified in Recommendation ITU-R M.492-6 shall be employed except in cases of distress, urgency, or safety, in which case alternate or non-standard procedures may be used. (WRC-07)

**MOD** COM4/332/176 (B13/347/170) (R7/411/209)

**56.6** § 5 The services provided by each station open to public correspondence shall be indicated in the List of Coast Stations and Special Service Stations (List IV) and in the List of Ship Stations and Maritime Mobile Service Identity Assignments (List V), together with information on charging. (WRC-07)

#### Article 57

##### *Radiotelephony*

**MOD** COM4/296/43 (B9/305/45) (R4/335/60)

**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. (WRC-07)

**MOD** COM4/296/44 (B9/305/46) (R4/335/61)

**57.8** § 4 Calling, and signals preparatory to traffic, shall not exceed one minute when made on the carrier frequency 2 182 kHz or on 156.8 MHz, except in cases of distress, urgency or safety. (WRC-07)

**MOD** PLEN/423/1

#### Article 59

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

**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, WRC-03, and WRC-07, shall be applied, pursuant to Article 54 of the Constitution, on the following basis. (WRC-07)

**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)

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

**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)**

**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)

**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-07)**

**ADD**

**59.9** The other provisions of these Regulations, as revised by WRC-07, shall enter into force on 1 January 2009, with the following exceptions: (WRC-07)

**ADD**

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

**55 (Rev.WRC-07), 97 (WRC-07), 149 (WRC-07), 355 (WRC-07) and 905 (WRC-07). (WRC-07)**

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.

\*\* *Note by the Secretariat:* This Resolution was abrogated by WRC-2000.

\*\*\* *Note by the Secretariat:* This Resolution was abrogated by WRC-03.

\*\*\*\* *Note by the Secretariat:* This Resolution was abrogated by WRC-07.

DONE at Geneva, 16 November 2007

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**Declarations and reservations<sup>1)</sup>**

*At the time of the signing of the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the undersigned delegates take note of the following declarations and reservations made by signatory delegations:*

1

*Original: Spanish*

*For the Republic of Paraguay:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Paraguay declares that it reserves for its Government the right:

– to take any action it considers necessary to safeguard its interests, should other Members of the International Telecommunication Union fail in any way to observe the Final Acts, the Annexes thereto and the Radio Regulations, or should reservations by other Members jeopardize the proper functioning of its telecommunication services or its full sovereign rights;

– to formulate, under the Vienna Convention on the Law of Treaties of 1969, additional declarations or reservations to these Final Acts at any time it sees fit between the date of the signature and the date of the possible ratification of the international instruments constituting these Final Acts.

2

*Original: English*

*For Iceland, the Principality of Liechtenstein and Norway:*

The delegations of the above-mentioned Member States of the European Economic Area declare that the above-mentioned Member States of the European Economic Area will apply the revision of the Radio Regulations adopted at this Conference in accordance with their obligations under the Treaty establishing the European Economic Area.

3

*Original: Spanish*

*For the Eastern Republic of Uruguay:*

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<sup>1)</sup> *Note by the Secretary-General:* The texts of the Final Protocol are shown in the chronological order of their deposit.

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Eastern Republic of Uruguay declares that it reserves for its Government the right:

- to take any action it considers necessary to safeguard its interests, should other Members of the International Telecommunication Union fail in any way to observe the Final Acts, the Annexes thereto and the Radio Regulations, or should reservations by other Members jeopardize the proper functioning of its telecommunication services or its full sovereign rights;
- to make additional reservations, under the Vienna Convention on the Law of Treaties of 1969, to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at any time it sees fit between the date of the signature and the date of the possible ratification of the international instruments constituting these Final Acts.

4

*Original: English*

*For the Republic of Bulgaria:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Bulgaria reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should any Member of the Union fail to comply with the provisions of the Final Acts adopted by the Conference or should reservations by other countries jeopardize the proper operation of its telecommunication services.

5

*Original: English*

*For the Union of Myanmar:*

The delegation of the Union of Myanmar to the World Radiocommunication Conference (WRC-07), reserves the right of its Government to take any action that it deems necessary to safeguard its interests should any Member or Members of the International Telecommunication Union fail, in any way, to comply with the Final Acts of this Conference and the Annexes attached thereto, or should any of the reservations made by other Members jeopardize its telecommunication services or infringe its national sovereignty.

6

*Original: English*

*For the Socialist Republic of Viet Nam:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Socialist Republic of Viet Nam reserves for its Government the right to take any measures and

actions as it might deem necessary to safeguard its interests if another Member of the International Telecommunication Union should in any way fail to respect the conditions specified in the Final Acts or if the reservation or declaration made by any Members of the Union should be prejudicial to the operation of telecommunication/information and communication technology services of Viet Nam or infringe fundamental principles of laws and public order of Viet Nam.

The delegation of Viet Nam further declares that it reserves for its Government the right to make any declaration or reservation at any time.

7

*Original: English*

*For the Republic of Singapore:*

The delegation of the Republic of Singapore reserves for its Government the right to take any action it considers necessary to safeguard its interests should any Member of the Union fail in any way to comply with the requirements of the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should reservations by any Member of the Union jeopardize the Republic of Singapore's telecommunication services, affect its sovereignty or lead to an increase in its contributory share towards defraying the expenses of the Union.

8

*Original: English*

*For the Republic of Zambia:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Zambia reserves the right for its Government to take any action and preservation measures it deems necessary to safeguard its national interest should any Member State in any way fail to comply with the provisions of the Radio Regulations, the Constitution and Convention of the International Telecommunication Union and Resolutions of the World Radiocommunication Conference (Geneva, 2007), directly or indirectly affect its sovereignty or be in contravention to the Constitution, Laws and Regulations of the Republic of Zambia as a party to other treaties and conventions and any principles of international law.

9

*Original: English*

*For the Democratic People's Republic of Korea:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Democratic People's Republic of Korea reserves for its Government the right to take any measures

it might deem necessary to protect its interest, should any Member State of the Union fail to abide by the provisions of these Final Acts or comply with them or should reservations, made by other countries, jeopardize the efficient operation of its telecommunication services.

10

*Original: English/ Spanish/French*

*For the Federal Republic of Germany, Austria, Belgium, the Republic of Bulgaria, the Republic of Cyprus, Denmark, Spain, Republic of Estonia, Finland, France, Greece, the Republic of Hungary, Ireland, Italy, the Republic of Latvia, the Republic of Lithuania, Luxembourg, Malta, the Kingdom of the Netherlands, the Republic of Poland, Portugal, the Slovak Republic, the Czech Republic, Romania, the United Kingdom of Great Britain and Northern Ireland, the Republic of Slovenia, Sweden:*

The delegations of the Member States of the European Union declare that the Member States of the European Union will apply the revision of the Radio Regulations adopted at this Conference in accordance with their obligations under the EC Treaty.

11

*Original: Spanish*

*For the Dominican Republic:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Dominican Republic:

a) reserves for its Administration the right to take any measures it may consider necessary, in conformity with its domestic law and with international law, to safeguard its interests should any other Member of the Union fail to respect the Final Acts, or enter reservations that may jeopardize the operation of telecommunication services within its territory;

b) reserves as well the right to amend the foregoing reservations and declarations and to enter further reservations or declarations at the time of depositing with the International Telecommunication Union its consent to be bound by the revisions to the Radio Regulations adopted by the World Radiocommunication Conference (Geneva, 2007).

12

*Original: Spanish*

*For the Bolivarian Republic of Venezuela:*

The delegation of the Bolivarian Republic of Venezuela reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should another Member State of the International Telecommunication Union fail in any way to comply with the provisions of these Final Acts or should reservations entered by any

other country be prejudicial to or liable in any way to have an adverse effect on the operation of its telecommunication services.

13

*Original: English*

*For the Republic of San Marino:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of San Marino declares that it reserves for its Government the right:

1. to take any action and preservation measures it deems necessary should the consequences of reservations by any Member State put in danger San Marino's radiocommunication services or affect its sovereignty to comply with the provisions of the Final Acts, the Annexes thereto or the Radio Regulations;
2. to express declarations or reservations with respect to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at the time of deposit of the corresponding instruments of ratification with the International Telecommunication Union.

14

*Original: English*

*For the Republic of Kenya:*

The delegation of the Republic of Kenya to the WRC-07 herewith declares on behalf of its Government and on behalf of the powers conferred on it:

1. that it reserves the right of its Government to take any action it may consider necessary to safeguard and protect its interests should any Member fail to comply as required with the provisions in the Final Acts and Annexes thereto adopted by this Conference;
2. that the Government of the Republic of Kenya does not accept responsibility for consequences arising out of the reservations made by Members of the Union.

15

*Original: English*

*For the Kingdom of Bahrain:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Kingdom of Bahrain reserves for its Government the right to take any actions and measures it deems necessary to protect its interests should any Member State of the International Telecommunication Union (ITU) fail to respect fully the provisions and Resolutions of the Final Acts or to comply with them, or should reservations by any Member State jeopardize in any way the telecommunications service of the Kingdom of Bahrain.



*Original: English*

*For the Kingdom of Bahrain:*

The delegation of the Kingdom of Bahrain to the World Radiocommunication Conference (Geneva, 2007), declares that the signature and possible ratifications by its Government of the Final Acts of this Conference shall not be valid for the ITU Member under the name of "Israel", and in no way whatsoever implies its recognition by its Government to this Member.

*Original: English*

*For the Republic of Angola:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07) for dealing with frequency allocations in certain parts of the spectrum, the delegation of the Republic of Angola states the intention of its Administration to comply with the provisions of the Final Acts of the Conference without prejudice to the Republic of Angola's sovereign right to safeguard and protect its broadcasting, telecommunication and other services from any Member failing to comply with the provisions of the Radio Regulations as revised by this Conference, particularly new allocations made by this Conference on the condition of causing no harmful interference to existing services.

*Original: English*

*For the Republic of Mozambique:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07) for dealing with frequency allocations in certain parts of the spectrum, the delegation of the Republic of Mozambique states the intention of its Administration to comply with the provisions of the Final Acts of the Conference without prejudice to the Republic of Mozambique's sovereign right to safeguard and protect its broadcasting, telecommunication and other services from any Member failing to comply with the provisions of the Radio Regulations as revised by this Conference, particularly new allocations made by this Conference on the condition of causing no harmful interference to existing services.

*Original: French*

*For the Gabonese Republic:*

In signing the Final Acts of the ITU World Radiocommunication Conference, held in Geneva (Switzerland) from 22 October to 16 November 2007, the delegation of the Gabonese Republic reserves for its Government the right:

1. to take any necessary measures to safeguard its interests should certain Member States fail, in any way, to comply with the provisions of the Radio Regulations of the International Telecommunication Union or the instruments of amendment adopted by the World Radiocommunication Conference (Geneva, 2007), or should the reservations made by other Member States during this Conference be such as to jeopardize the proper functioning of its telecommunication services;
2. to accept or not any financial consequences that may arise from such reservations;
3. to enter any additional reservations it may deem necessary until such time as the instruments of ratification are deposited.

*Original: Spanish*

*For Spain:*

1. The delegation of Spain declares on behalf of its Government that it reserves for the Kingdom of Spain the right, in accordance with the Vienna Convention on the Law of Treaties of 23 May 1969, to express reservations to the Final Acts adopted by this Conference until such time as, in accordance with Article 54 of the Constitution of the International Telecommunication Union, it consents to be bound by the revision to the Radio Regulations contained in those Final Acts.

2. The delegation of Spain declares on behalf of its Government that “country” in any reference in the Radio Regulations and in the Resolutions and Recommendations adopted by this Conference, as subject to rights and obligations, will be understood only as constituting a sovereign State.

*Original: English*

*For the Islamic Republic of Iran:*

In the Name of God, the Compassionate, the Merciful.

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Islamic Republic of Iran formally declares that:

1. The delegation of the Islamic Republic of Iran reserves for its Government the right to take any action as it may consider necessary to safe-

guard its interests should they be affected by decisions taken at this Conference, or by failure on the part of any other country or administration in any way to comply with the provisions of the instruments amending the Constitution and Convention of the International Telecommunication Union, or the Annexes or Protocols and Regulations attached thereto, or the Final Acts of this Conference, or should the reservations, declarations or additional reservations and declarations by other countries or administrations jeopardize the proper and efficient operation of its telecommunication services, or infringe the full exercise of the sovereign rights of the Islamic Republic of Iran.

2. The delegation of the Islamic Republic of Iran reserves for its Government the right to make additional reservations when ratifying the Final Acts of this Conference.

22

*Original: English  
For Turkey:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Turkey reserves the rights of its Government to take any measures which it deems necessary to protect its interests on the decision taken by the Conference in modifying, amending, deleting and adding provisions, footnotes, tables, Resolutions and Recommendations in the Radio Regulations, should any Member of the Union fail, in any way, to comply with the provisions of the Final Acts, Annexes and the Radio Regulations thereto, in using its existing services and introducing new services for space, terrestrial and other applications or should any reservation made by other Members jeopardize the proper operation of its telecommunication services.

The delegation of Turkey further reserves the rights of its Government to make additional declarations or reservations as may be necessary when depositing its instruments of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

23

*Original: English  
For the Federal Republic of Nigeria:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07) held in Geneva, Switzerland from 22 October to 16 November, 2007, the delegation on behalf of the Administration of the Federal Republic of Nigeria declares as follows:

a) that, it acknowledges the need for the development of radiocommunication services and networks worldwide as a means of enhancing sustainable development in the interest of humanity and the environment;

b) that, the Administration of the Federal Republic of Nigeria reserves the right to take any action it considers necessary to safeguard its interest and in particular its existing and planned radiocommunication services and networks should a Member of the Union not comply with the provisions of the Final Acts of this Conference in such a way that it affects the proper functioning of the radiocommunication systems, services and networks;

c) further, the Administration of the Federal Republic of Nigeria reserves the right to make additional declarations and reservations at the time of its notification to the ITU of its ratification of these Final Acts.

24

*Original: French*

*For the Republic of Côte d'Ivoire:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the Republic of Côte d'Ivoire declares:

1. that it reserves for its Government the right to take any measures it may deem necessary to safeguard its interests should any Member State of the International Telecommunication Union fail, in any way, to comply with or apply the provisions of the Radio Regulations or of the Constitution and the Convention of the International Telecommunication Union;

2. that it also reserves for its Government the right to take any safeguard or other measures it may deem necessary should reservations by any Member State jeopardize the radiocommunication services or impair the sovereignty of Côte d'Ivoire;

3. that it reserves the right to make additional declarations or reservations with regard to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at the time of deposit of the corresponding instrument of ratification with the International Telecommunication Union.

25

*Original: French*

*For the Republic of Senegal:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Senegal reserves the right:

1. to take all measures necessary to safeguard its interests, should any Members fail in any way whatsoever to comply with the decisions taken by WRC-07 (Geneva, 2007), or should reservations made by other Members be such as to jeopardize the operation of its radiocommunication services;

2. to accept, or not accept, the consequences of certain decisions that might impair its sovereignty.

*Original: English*

*For the Republic of South Africa:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of South Africa reserves its Government's right to take any such action as it may consider or deem necessary:

1. to safeguard its interests should any Member of the Union, in any way, fail to comply with the provisions of the Constitution and Convention of the International Telecommunication Union, the Radio Regulations of the ITU and the Final Acts of the World Radiocommunication Conference (Geneva, 2007);
2. should any reservation by a Member of the Union, directly or indirectly, affect the operation of its telecommunication services; and
3. to protect its telecommunication services, if any Member of the Union contravenes any term or condition of the Final Acts of the World Radiocommunication Conference (Geneva, 2007) either in whole or in part.

The Government of the Republic of South Africa reserves its right to make any such additional declarations and reservations as may be necessary up to, and including, the time of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

Further, the Government of the Republic of South Africa reiterates and incorporates by reference, all declarations made at all prior world radiocommunication conferences.

*Original: French*

*For the Togolese Republic:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07), the Togolese delegation declares that the Togolese Republic shall not be bound by any provisions thereof which may impair its sovereignty or infringe its national laws or the international agreements to which it is party.

In addition, the Togolese Republic shall not be obliged to apply the provisions of the Final Acts in respect of parties that fail to apply them, and reserves the right to propose amendments, should the need arise and in accordance with the rules of form and procedure established for that purpose.

*Original: English*

*For the Republic of India:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of India reserves for its Government the right to take such actions, as may be considered necessary, to safeguard its interests, should any administration make reservations and/or not accept the provisions of the Final Acts or fail to comply with one or more provisions of the Final Acts, including those which form a part of the Radio Regulations.

*Original: English*

*For Australia:*

The delegation of Australia at the 2007 World Radiocommunication Conference hereby declares that it reserves for its Government the right to make declarations or reservations before or at the time of depositing an instrument of ratification for the Final Acts of the 2007 World Radiocommunication Conference of the International Telecommunication Union held in Geneva from 22 October to 16 November 2007, in accordance with Article 32B of the Convention of the International Telecommunication Union (Geneva, 1992), as amended by the Plenipotentiary Conference (Minneapolis, 1998).

*Original: Arabic*

*For the Kingdom of Saudi Arabia:*

The delegation of the Kingdom of Saudi Arabia, in signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), reserves for its Government the full right to take any actions and measures it deems necessary to protect its interests should any Member State of the International Telecommunication Union (ITU) fail to respect fully the provisions and Resolutions of the Final Acts or to comply with them or should any actions or reservations by any Member State jeopardize in any way the telecommunication services of the Kingdom of Saudi Arabia.

*Original: Spanish*

*For Costa Rica:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Costa Rica:

1. declares that it reserves for its Government the right to take any measures it considers necessary, in conformity with its domestic legislation and international law, to safeguard its national interests should other Members fail to comply with the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should reservations by representatives of other States jeopardize the telecommunication services of the Republic of Costa Rica or its full sovereign rights;

2. declares that the Republic of Costa Rica shall be bound by the provisions contained in the Final Acts of the World Radiocommunication Conference (Geneva, 2007) only insofar as it expressly and duly consents to be bound, and subject to the fulfilment of the appropriate constitutional procedures.

32

*Original: English*

*For the Federative Republic of Brazil:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the Brazilian delegation reserves for its Administration the right to take such measures as it might deem necessary to safeguard its interests if any Member State of the Union should in any way fail to respect the conditions specified in the Final Acts, or if the reservation made by any Member State should be prejudicial to the operation of radiocommunication services in Brazil.

Furthermore, Brazil reserves the right to make additional specific declarations or reservations at the time of deposit of its notification to the International Telecommunication Union of its consent to be bound by the revisions to the Radio Regulations adopted by the World Radiocommunication Conference (Geneva, 2007).

33

*Original: English*

*For the Republic of Indonesia:*

On behalf of the Republic of Indonesia, the delegation of the Republic of Indonesia to the World Radiocommunication Conference (WRC-07) (Geneva, 2007):

- reserves the right for its Government to take any action and preservation measures it deems necessary to safeguard its national interests should any provision, Recommendation and Resolution of the World Radiocommunication Conference (Geneva, 2007), directly or indirectly affect its sovereignty or be in contravention to the Constitution, Laws and Regulations of the Republic of Indonesia as a party to other treaties and conventions and any principles of international law;

- further reserves the right for its Government to take any action and preservation measures it deems necessary to safeguard its national inter-

ests should any Member in any way fail to comply with the provisions of the Radio Regulations, the Constitution and the Convention of the International Telecommunication Union, or should the consequences of reservations by any Member jeopardize its telecommunication services or result in an increase of its contributory share towards defraying expenses of the Union.

34

*Original: English*  
*For New Zealand:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the New Zealand delegation reserves for its Government the right to take such measures as it might deem necessary to safeguard its interests if any other country should in any way fail to respect the conditions specified in the Final Acts or if the reservations made by any other country should be prejudicial or detrimental to New Zealand's interests. In addition, New Zealand reserves the right to make appropriate specific reservations and statements prior to ratification of the Final Acts.

35

*Original: French*  
*For the Republic of Mali:*

In signing the Final Acts of the World Radiocommunication Conference of 2007, the delegation of the Republic of Mali reserves for its Government the right to take any measures it may deem necessary to safeguard its interests should other Members fail to comply with the provisions of these Final Acts or the Annexes thereto, or should reservations by other countries cause harmful interference or jeopardize the smooth operation of its telecommunication services.

36

*Original: English*  
*For Japan:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Japan reserves for its Government the right to take such actions as it may consider necessary to safeguard its interests should any Member State fail in any way to comply with the requirements of the Constitution and Convention of the International Telecommunication Union, the Radio Regulations of the International Telecommunication Union, or the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should reservations by other countries jeopardize its interests in any way.



In addition, Japan reserves the right to make additional declarations or reservations prior to its notification to the International Telecommunication Union which expresses its consent to be bound by revisions to the Radio Regulations.

37

*Original: English*  
*For Brunei Darussalam:*

The delegation of Brunei Darussalam reserves for its Government the right to take any action which it deems necessary to safeguard its interests should any Member of the Union fail in any way to comply with the Radio Regulations as amended by the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should any reservations by any Member of the Union jeopardize Brunei Darussalam's radiocommunication or telecommunication services, affect its sovereignty or lead to an increase in its contributory share towards defraying the expenses of the Union.

The delegation of Brunei Darussalam further reserves for its Government the right to make any additional reservations which it deems necessary up to and including the time of its ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

38

*Original: English*  
*For Mongolia:*

In signing the Final Acts of the World Radiocommunication Conference, (Geneva, 2007), the Mongolian delegation declares on behalf of its Government that:

1. to take any action it considers necessary to safeguard its interests, and in particular, to protect its existing or planned telecommunication networks, systems and services, should a Member of the Union not comply or cease to comply with the provisions of the Acts, or should declarations or reservations made by other Members of the Union affect the proper functioning of its telecommunication networks, systems or services.

2. The Mongolian delegation reserves the right for its Government to take such action as it may consider necessary to safeguard its interest should any Member State of the Union fail in any way to observe or comply with the provisions of these Final Acts or should reservations by other countries jeopardize the proper operation of its radiocommunication services.

3. The Mongolian delegation reserves its right to take any action deemed necessary to protect its interests and to safeguard the operation of its telecommunication services.

*Original: Spanish  
For Mexico:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the United Mexican States reserves for its Government the right:

1. to take any measures it considers necessary to protect and safeguard its sovereignty and interests, and, in particular, to protect its telecommunication networks, systems and services, both existing and planned, should any Member State of the Union in any way fail or neglect to apply the provisions contained in these Acts, including the Decisions, Recommendations, Resolutions and Annexes that form an integral part of the same, or those provisions contained in the Constitution and Convention of the International Telecommunication Union, or should the proper functioning of its telecommunication networks, systems or services be jeopardized by reason of any declarations or reservations expressed by any Member State of the Union;

2. to take whatever measures it considers necessary to safeguard its interests with respect to the occupation and use of geostationary orbital positions and the associated radio frequencies, as well as with respect to the use of the radio spectrum to provide telecommunication services, should procedures relating to coordination, notification or associated frequency assignments meet with delays or be hindered, causing prejudice to the country, whether *per se* or by acts of other Member States;

3. to express further reservations, pursuant to the Vienna Convention on the Law of Treaties, with regard to these Acts at any time it sees fit between the date of signature and the date of ratification of the same, in accordance with the procedures established in its domestic legislation; and not to consider itself bound by any provision in these Acts that might limit its right to express any reservations it may think fit; and

in addition to the foregoing, the reservations entered by the Government of the United Mexican States upon signing and ratifying the Final Acts of past World Radiocommunication Conferences and World Administrative Radio Conferences, as well as those entered at the time of the signature and ratification of the Final Acts of the Additional Plenipotentiary Conference (Geneva, 1992), the Plenipotentiary Conference (Kyoto, 1994), the Plenipotentiary Conference (Minneapolis, 1998), the Plenipotentiary Conference (Marrakesh, 2002) and the Plenipotentiary Conference (Antalya, 2006), are reaffirmed and considered to be reproduced herein as if they had been repeated in full.

*Original: English*

*For the Vatican City State:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Vatican City State declares that it reserves for its Government the right:

– to express declarations or reservations with respect to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at the time of deposit of the corresponding instruments of ratification with the International Telecommunication Union.

*Original: Spanish*

*For the Argentine Republic:*

In signing the Final Acts of the WRC-07, the delegation of Argentina declares that, having noted the declarations and reservations expressed by the Member States, its reserves for its Government:

1. the right to adopt any measures that it may deem necessary to safeguard its interests, should other Members of the International Telecommunication Union fail in any way to comply with the Final Acts, the Annexes thereto or the Radio Regulations;

2. the right to express declarations or reservations with respect to the Final Acts of WRC-07 at the time of deposit of the corresponding instrument of ratification with the International Telecommunication Union.

*Original: English*

*For the Kingdom of Bhutan:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Kingdom of Bhutan:

1. reserves the right of its Government to take any action and preservation measures it deems necessary to safeguard its national interests should any provision, Recommendation and Resolution of the World Radiocommunication Conference (Geneva, 2007), directly or indirectly affect its sovereignty or be in contravention to the Constitution, Laws and Regulations of the Kingdom of Bhutan;

2. declares that it reserves for its Government the right to take any measures it might deem necessary to safeguard its interest and to protect the operation of radiocommunication services if any other Member States of the Union should in any way fail to respect the conditions specified in the Final Acts;

3. further declares that its Government will not accept responsibilities for the consequences of reservations expressed by the other Members of the Union.

*Original: Spanish*

*For the Republic of Guatemala:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Guatemala declares that:

a) it reserves for its Administration the adoption of any measures it may deem necessary, in accordance with domestic legislation and international law, to safeguard its interests should any other Members of the Union fail to observe those Final Acts or should reservations be expressed that are prejudicial to the operation of telecommunication services within its territory;

b) the Republic of Guatemala further reserves the right to amend previous reservations and declarations and to express new reservations and declarations when it decides to deposit with the International Telecommunication Union its consent to be bound by the revisions to the Radio Regulations adopted by the 2007 World Radiocommunication Conference.

*Original: Russian*

*For the Republic of Belarus:*

The Government of the Republic of Belarus reserves the right to take any measures it may consider necessary to protect its interests should any Member State of the Union fail to comply with the provisions of the Final Acts of the 2007 World Radiocommunication Conference, or should reservations made upon signing these Final Acts, or other measures taken by any Member State of the Union, jeopardize the efficient operation of the telecommunication services of the Republic of Belarus.

*Original: English*

*For the Republic of Uganda:*

In signing the Final Acts of the World Radiocommunication Conference of 2007 (WRC-07) and having noted some of the declarations of the Member States, the delegation of Uganda (Republic of) to the World Radiocommunication Conference, reserves for its Government the right to take such measures it considers appropriate to safeguard its legitimate interests on the decisions taken by the Conference.

The Government of Uganda, within the provisions of the International Telecommunication Union and the Radio Regulations as revised during the conference deliberations and contained in the Final Acts of WRC-07, further reserves its right to take any action it finds necessary to safe-

guard its national interests should the reservations by any administration or any administrations affect its national sovereignty.

46

*Original: French*

*For the Islamic Republic of Mauritania:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07) (Geneva, 2007), the delegation of the Islamic Republic of Mauritania reserves for its Government the right:

1. to take any measures it deems necessary to safeguard its interests should any Member State of the Union fail to respect or comply with the provisions of these Final Acts, or should reservations by another country be such as to jeopardize the development and smooth functioning of its telecommunication services;
2. to accept, or not accept, the consequences of certain decisions that might have a direct adverse effect upon its sovereignty.

47

*Original: Russian*

*For the Republic of Armenia, the Republic of Azerbaijan, the Republic of Belarus, the Russian Federation, Georgia, the Republic of Moldova, the Republic of Uzbekistan, the Kyrgyz Republic, the Republic of Tajikistan and Ukraine:*

The delegations of the above-mentioned countries reserve for their respective Governments the right to take any action they may consider necessary to protect their interests should any Member State of the Union fail to comply with the provisions of the Final Acts of this Conference, or should reservations made upon signing the Final Acts, or other measures taken by any Member State of the Union, jeopardize the proper operation of those countries' telecommunication services.

48

*Original: French*

*For the Confederation of Switzerland:*

The Swiss delegation reserves for the Government of the Confederation of Switzerland the right to take any measures it deems appropriate to safeguard its interests relating to the broadcasting service and other radiocommunication services should any Member of the Union fail to abide by its obligations arising from the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should reservations made by or actions on the part of a Member State be such as to jeopardize or are aimed at hindering the smooth functioning of the said services in Switzerland.

*Original: English*

*For the Republic of Angola:*

World Radiocommunication Conference (WRC-07):

The improvement of the macroeconomic situation of Angola has generated a new dynamics in the sector of telecommunications fostering a considerable growth in recent years, favourable to public investments and to new jobs. This results from the rehabilitation of the main transportation of telecommunication networks, which has improved the traffic flow between provinces, and has also increased the number of users and operators.

Given the fundamental importance of this sector to a developing economy and one with such growth potential, as it is the case of Angola, some legislative reforms have been created to address the management and exploration of the infrastructure, licensing, and equal opportunities.

The modernization of the telecommunication network is one of the concerns of the Angolan Government, which defined it in its development policies as the priority activity sector, and invested in the liberalization of this sector as an incentive to the private sector through public-private partnerships. Other items on the agenda for the restructuring efforts of the sector have been professional education, technical capacity, and technology transfer.

Presently, Angola can rely on the growth and on the significant increase of the number of users of cellular telephony technology, in which the analogue networks have been replaced by the digital networks for better quality of service, reduction of costs, mass distribution of information technology, the extension of the radio and television signal to rural areas in the interior of the country, in order to shorten distances, and to facilitate economic stability by rehabilitating the supporting infrastructure of the sector.

*Original: English*

*For Malaysia:*

The Permanent Representative of Malaysia to the United Nations Office and other international organizations in Geneva, in her capacity as the Alternate Head of the delegation of Malaysia to the 2007 World Radiocommunication Conference (WRC-07), presents her compliments to the Secretary-General of the International Telecommunication Union in Geneva, and with reference to the Final Acts drawn up in connection with WRC-07, held in Geneva, has the honour to convey the following reservations of Malaysia:

1. The Government of Malaysia reserves the right to take any action or preservation measures it deems necessary to safeguard its national

interests should the Final Acts drawn up in the World Radiocommunication Conference (Geneva, 2007) directly or indirectly affect its sovereignty, or be in contravention with the Constitution, Laws and Regulations of Malaysia which exist and may result from any principles of international law, or should reservations by any Member of the Union jeopardize Malaysia's telecommunication and radiocommunication services, or lead to an increase in its contributory share towards defraying the expenses of the Union.

2. The Government of Malaysia further reserves the right to make such reservations as may be necessary up to, and including, the time of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

The Permanent Representative of Malaysia to the United Nations Office and other international organizations in Geneva avails herself of this opportunity to renew to the Secretary-General of the International Telecommunication Union in Geneva the assurances of her highest consideration.

51

*Original: English*

*For the Republic of Hungary:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Hungary reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should any Member State of the Union fail in any way to observe or comply with the provisions of these Final Acts or should reservations by other countries jeopardize the proper operation of its radiocommunication services.

The delegation of the Republic of Hungary further declares that it reserves for its Government the right:

- to make any additional statements or reservations when depositing its instruments of ratification for the Final Acts of the World Radiocommunication Conference (Geneva, 2007);
- to take action if necessary to protect its broadcasting service covered by the GE06 Agreement in safeguarding its interest and for its satisfactory operation as may be stipulated under its national regulations.

52

*Original: English*

*For the United Republic of Tanzania:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the United Republic of Tanzania declares that it reserves the right for its Government:

1. to take any measures that it may deem necessary to safeguard its interests, should other Members of the International Telecommunication

Union, in any way fail to comply with the provisions of the Constitution and Convention of the Union, the Radio Regulations of the Union and the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the Annexes thereto; and

2. to make such additional declarations and reservations that it may be necessary up to, and including, the time of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007);

3. to take any measures it may deem necessary and appropriate to protect and safeguard its national interests and rights with respect to radiocommunications, should they be affected or prejudiced, directly or indirectly by reservations expressed by other administrations or by actions not in accordance with international laws;

4. to accept, or not accept, any financial consequences that may arise from such reservations.

53

*Original: English*

*For the Republic of Ghana:*

1. The delegation of Ghana, in signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007) held in Geneva, Switzerland, from October 22 to November 16, 2007, reserves for its Government the right to take any such action it may consider necessary to safeguard its interests, should any Member of the Union fail to comply with the provisions of the Constitution and Convention of the International Telecommunication Union (ITU), the Radio Regulations of the ITU and the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

2. The Government of Ghana reserves the right to express reservations on any provisions of the Final Acts deemed to be incompatible with the constitution, laws and regulations of the country.

54

*Original: English*

*For the Republic of Zimbabwe:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Zimbabwe declares that the Government of the Republic of Zimbabwe reserves the right to take all measures it may deem necessary to protect its sovereignty and national interests, if any of the regulations are used by any country against the sovereign right of the Republic of Zimbabwe to regulate the orderly deployment and operation of its national and international telecommunication and radiocommunication networks.



*Original: English*  
*For the Republic of Cyprus:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Cyprus reserves for its Government the right to take such measures as it may deem necessary to safeguard its interests should other Member States fail to comply with the provisions of these Final Acts or use their radiocommunication services for purposes contrary to those established in the Preamble to the Constitution of the International Telecommunication Union. Accordingly, the Republic of Cyprus reserves the right to make additional declarations or reservations at the time of deposit of its instruments of ratification of these revisions to the Radio Regulations. The Republic of Cyprus shall not be deemed to have consented to be bound by revisions to the Radio Regulations adopted at this Conference without the specific notification to the International Telecommunication Union by the Republic of Cyprus of its consent to be bound.

*Original: English*  
*For the Republic of Botswana:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Botswana declares that its Administration will comply with the provisions of the Final Acts without prejudice to its sovereign right to take any measures that the Government of Botswana deems necessary to safeguard its telecommunication services in the event of harmful interference caused to the said services by any Member of the Union failing to comply with the provisions of the Radio Regulations as revised and adopted by this Conference.

The delegation of Botswana further declares that it reserves for its Government the right to make any statements or reservations when depositing its instruments of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

*Original: English*  
*For the State of Kuwait:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the State of Kuwait reserves for its Government the right to take any actions and measures it deems necessary to protect its interests, should any Member State of the International Telecommunication Union (ITU) fail to respect fully the provisions and Resolutions of the Final Acts or to comply with them, or

should reservations by any Member State jeopardize in any way the telecommunication services of the State of Kuwait.

58

*Original: English*

*For Canada:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Canada reserves for its Government the right to take any measures it might deem necessary to safeguard its interests if another Member State of the Union in any way fails to respect the conditions specified in the Final Acts or if the reservations made by any Member State should be prejudicial to the operation of radiocommunication services in Canada.

The delegation of Canada further declares that it reserves for its Government the right to make declarations or reservations when depositing its instrument of ratification for the amendments adopted at this World Radiocommunication Conference (Geneva, 2007) to the Radio Regulations and the amendments thereto. Canada further reiterates and incorporates by reference all reservations and declarations made at world radiocommunication conferences prior to signature of these Final Acts.

59

*Original: English*

*For the Sultanate of Oman:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07), the delegation of the Sultanate of Oman reserves for its Government the right:

- – to take any actions and measures it may deem necessary and appropriate to protect and safeguard its national interests, should any Member State of the International Telecommunication Union (ITU) fail to fully respect the provisions and Resolutions of the Final Acts or to comply with them or should reservations by any Member State jeopardize in any way the telecommunication services of the Sultanate of Oman;
- – to apply the revisions of the Radio Regulations that are adopted at this Conference in accordance with its obligations under its national rules and regulations;
- – to express any additional reservations that it may deem necessary up to, and including, the time of its ratification of the Final Acts of this Conference.

In addition, the delegation of Oman to this Conference states the following reservation:

- the Sultanate of Oman is not in favour of authorizing any satellite networks crossing its national airspace that may affect the existing and planned services.

*Original: French*  
*For the Republic of Rwanda:*

In signing the Final Acts of the 2007 World Radiocommunication Conference, the delegation of the Republic of Rwanda reserves for its Government the right to take any measures it may deem necessary to safeguard its interests, in accordance with national legislation and the international treaties to which Rwanda is party, should any Member State of the International Telecommunication Union fail in any way to abide by the provisions of the ITU Constitution and Convention or should reservations expressed by other countries jeopardize its interests.

*Original: English*  
*For the State of Qatar:*

The delegation of the State of Qatar to the World Radiocommunication Conference (WRC-07) reserves the right of the Government of the State of Qatar to take any action deemed necessary to safeguard the State of Qatar's interests in the event of any Member country failing, in any way, to comply with the provisions, Resolutions or Recommendations contained in the Final Acts of this Conference or in the event of any reservations made by other countries jeopardizing the implementation or operation of the provisions contained therein.

*Original: Chinese*  
*For the People's Republic of China:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the People's Republic of China declares:

The Chinese delegation reserves the right of its Government to take any measures and actions it may deem necessary to safeguard its interests should other Member States of the International Telecommunication Union in any way fail to comply with or to execute the provisions of the Final Acts or the Radio Regulations, or should reservations or declarations made by other Member States jeopardize the legitimate use by the Chinese Government of its radio spectrum and satellite orbit resources as well as the security of its radio services or the proper operation of its telecommunication services or affect the full exercise of its sovereign rights. In addition, it also reserves the right of its Government to make any additional reservation it may consider necessary up to and at the time of its ratification of these Final Acts.

*Original: Arabic*

*For the Syrian Arab Republic:*

In signing the Final Acts of the World Radiocommunication Conference 2007 (Geneva, WRC-07), the delegation of the Syrian Arab Republic reserves for its Government the following rights when depositing the approval of the said instruments:

1. To confirm all written and oral declarations submitted by its delegation separately or jointly with the other Arab delegations attending the Conference, and its right to make any other additional reservations upon ratification.
2. To take any measures it deems necessary to protect its interests, particularly its sovereign right to protect its wireless stations on its territory from harmful interference.
3. The signature of these Final Acts shall be considered valid only with Member States of the International Telecommunication Union which are recognized by the Syrian Arab Republic.

*Original: English*

*For the State of Israel:*

The Government of the State of Israel hereby rejects the following decision in the Final Acts of the World Radiocommunication Conference of the International Telecommunication Union (Geneva, 2007) with regard to the addition of the sentence "This allocation is effective until 16 June 2015" to No. 5.316 of the Radio Regulations and with regard to the possible situation pertaining to No. 5.316B in which stations operating under the conditions of No. 5.316 and has the right to claim protection under that footnote, but are according to certain claims (which Israel does not accept) may be subjected to the successful application of the procedure of the GE06 Agreement after 16 June 2015.

*Original: English*

*For the Republic of Sudan:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007) the delegation of the Republic of Sudan reserves for its Government the right to take any actions and measures as it might deem necessary to safeguard its national interests should any Member of the Union, in any way, fail to comply with the provisions of the Constitution and Convention of the International Telecommunication Union (ITU), the Radio Regulations and the Final Acts of the World Radiocom-

munication Conference (Geneva, 2007), or should reservation by any Member State jeopardize in any way the telecommunication services of the Republic of Sudan.

66

*Original: English*

*For Malta:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Malta reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should any Member of the Union fail in any way to observe or comply with the provisions of the Final Acts adopted by the Conference or should reservations by other countries jeopardize the proper operation of its telecommunication services.

67

*Original: English*

*For the United Arab Emirates:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the United Arab Emirates formally declares that:

1. The delegation of the United Arab Emirates reserves for its Government the right to take any action as it may consider necessary to safeguard its interests should they be affected by decisions taken at this Conference, or by failure on the part of any other country or administration in any way to comply with the provisions of the instruments amending the Constitution and Convention of the International Telecommunication Union, or the Annexes or Protocols and Regulations attached thereto, or the Final Acts of this Conference, or should the reservations, declarations or additional reservations and declarations by other countries or administrations jeopardize the proper and efficient operation of its telecommunication services, or infringe the full exercise of the sovereign rights of the United Arab Emirates.

2. The delegation of the United Arab Emirates reserves for its Government the right to make additional reservations when ratifying the Final Acts of this Conference.

68

*Original: English*

*For the Republic of Korea:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Korea reserves for its Government the right to take any measures as it might deem necessary to safeguard its interests if any other Member State of the Union

should in any way fail to respect the conditions specified in the Final Acts or if the reservations made by other countries should be prejudicial to the efficient operation of its telecommunication services.

69

*Original: English*

*For the Republic of Namibia:*

In signing the Final Acts of the World Radiocommunication Conference (WRC-07) for dealing with frequency allocations in certain parts of the spectrum the delegation of the Republic of Namibia states the intention of its Administration to comply with the provisions of the Final Acts of the Conference without prejudice to the Republic of Namibia's sovereign right to take any measures that the Government deems necessary to safeguard and protect its broadcasting, telecommunication and other services in the event of harmful interference caused to the said services by any Member failing to comply with the provisions of the Radio Regulations as revised by this Conference, particularly new allocations made by this Conference on the condition of causing no harmful interference to existing services.

70

*Original: English*

*For the Republic of Montenegro:*

In the signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Montenegro declares that it reserves for its Government the right:

1. to take any action and preservation measures it deems necessary should the consequences of reservations by any Member State put in danger Montenegro's radiocommunication services or affect its sovereignty to comply with the provisions of the Final Acts, the Annexes thereto or the Radio Regulations;

2. to express declarations or reservations with respect to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at the time of deposit of the corresponding instruments of ratification with the International Telecommunication Union.

71

*Original: Spanish*

*For Cuba:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Cuba reserves for its Government the right to take such action as it may consider necessary to safeguard its interests, should other Member States:

- fail to comply with the provisions of these Final Acts;

- use their radiocommunication services for purposes contrary to those established in the Preamble to the Constitution of the International Telecommunication Union;
- fail to fulfil their international obligations in regard to radiocommunications or fail to abide by the provisions of the Radio Regulations, and particularly the principle contained in No. 0.4 of the Preamble thereto, or should they use broadcasting stations operating aboard an aircraft to transmit solely into Cuban territory without Cuba's consent, a practice which this Conference has determined to be contrary to the Radio Regulations.

The delegation of Cuba incorporates by reference the declarations and reservations entered in Cuba's name at previous world radiocommunication conferences and in particular Declaration 80 entered at the Plenipotentiary Conference (Antalya, 2006).

The delegation of Cuba reserves for its Government the right to make any additional declaration or reservation that it may consider necessary until the time of its ratification of these Final Acts.

72

*Original: French*

*For the Kingdom of Morocco:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Kingdom of Morocco reserves for its Government the right to take any action or measures it may deem necessary to safeguard its interests, should a Member State of the International Telecommunication Union (ITU) fail to respect fully the provisions or Resolutions of the Final Acts, or fail to comply with them, or should reservations entered by another Member State in any way jeopardize the smooth operation of the telecommunication services of the Kingdom of Morocco.

73

*Original: English*

*For Papua New Guinea:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Papua New Guinea, on behalf of the Government of Papua New Guinea, in light of declarations and reservations deposited by other Member States of ITU, is obliged to reserve for its Government the right to take such actions as it may consider necessary to safeguard and preserve its national interests should any Member State of ITU fail to observe the provisions of the Final Acts adopted by this Conference and in so doing cause harmful and/or unacceptable interference to, or, should reservations or actions of such Member States jeopardize the proper operation of radiocommunication and/or telecom-

munication systems and services which are under the jurisdiction of the Government of Papua New Guinea.

74

*Original: Spanish*

*For the Republic of Colombia:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Colombia:

1. Declares that it reserves for its Government the right:

a) to take any measures it considers necessary, in conformity with its domestic legislation and international law, to safeguard its national interests should other members fail to comply with the provisions of the Final Acts of the World Radiocommunication Conference (Geneva, 2007), or should reservations by representatives of other States jeopardize the telecommunication services of the Republic of Colombia or its full sovereign rights;

b) to express reservations, under the Vienna Convention on the Law of Treaties of 1969, with regard to the Final Acts of the World Radiocommunication Conference (Geneva, 2007), at any time it sees fit between the date of the signature and the date of the possible ratification of the international instruments constituting those Final Acts.

2. Reaffirms, in their essence, reservations Nos. 40 and 79 made at the World Administrative Radio Conference (Geneva, 1979), and reservation No. 41 entered at the World Radiocommunication Conference (Geneva, 2003), especially with regard to the new provisions included in the documents of the Final Acts.

3. Declares that the Republic of Colombia shall only be bound by the instrument contained in the Final Acts insofar as it expressly and duly consents to be bound by that international instrument, and subject to the completion of the appropriate constitutional procedures.

4. Declares that, pursuant to its constitutional requirements, its Government cannot give provisional effect to the international instruments which constitute the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

75

*Original: French*

*For France:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of France reserves for its Government the right to enter further declarations or reservations at the time of depositing its instruments of ratification of these revisions of the Radio Regulations.

More generally, the delegation of France reserves for its Government the right to take any action it might deem necessary to safeguard its



interests should any Member State of the Union fail to respect the provisions of these Final Acts or to comply with them or should reservations made by other countries jeopardize the smooth operation of its telecommunication services.

76

*Original: English*

*For the United States of America:*

1. The United States of America refers to Article 32, section 16(2), of the International Telecommunication Convention (Geneva, 1992), as amended by the Plenipotentiary Conference (Kyoto, 1994), and notes that in considering the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the United States of America may find it necessary to make additional declarations or reservations. Accordingly, the United States of America reserves the right to make additional declarations or reservations at the time of deposit of its instruments of ratification of these revisions of the Radio Regulations.

2. The United States shall not be deemed to have consented to be bound by revisions to the Radio Regulations adopted at this Conference without specific notification to the International Telecommunication Union by the United States of America of its consent to be bound.

3. The United States of America reiterates and incorporates by reference all declarations and reservations made at prior world administrative radiocommunication conferences and world radiocommunication conferences.

77

*Original: English*

*For the United States of America and Canada:*

The United States of America and Canada state that, in application of the Final Acts of the World Radiocommunication Conference (Geneva, 2007) pertaining to the use of the 450-470 MHz band, they intend to make use of applications in the mobile service and fixed service, including public safety networks, in the 450-470 MHz band, as appropriate, which will preclude its use for terrestrial International Mobile Telecommunications (IMT).

78

*Original: English*

*For the United States of America and Canada:*

The United States of America and Canada refer to footnote number 5.394 of Article 5 of the Radio Regulations concerning the use of the 2 300-2 390 MHz band in the United States and the 2 300-2 400 MHz band in Canada and state that, in application of the Final Acts of the

World Radiocommunication Conference (Geneva, 2007) in those bands, the aeronautical mobile service for telemetry has priority over other uses by the mobile services. Furthermore, in conformity with additional allocations specified in footnote number 5.393 of Article 5 of the Radio Regulations in the 2 310-2 360 MHz band, the United States of America and Canada state that, in application of the Final Acts of the World Radiocommunication Conference (Geneva, 2007) in the band 2 310-2 360 MHz, they intend to use parts of this band for the broadcasting-satellite service (sound) and complementary terrestrial sound broadcasting service, which may preclude its use for terrestrial International Mobile Telecommunications (IMT).

79

*Original: English*

*For the Kingdom of Lesotho:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Kingdom of Lesotho declares that its Administration will comply with the provisions of the Final Acts without prejudice to its sovereign right to take any measures that the Government of Lesotho deems necessary to safeguard its telecommunication services in the event of harmful interference caused to the said services by any Member of the Union failing to comply with the provisions of the Radio Regulations as revised and adopted by this Conference.

The delegation of the Kingdom of Lesotho further declares that it reserves for its Government the right to make any statements or reservations when depositing its instruments of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

80

*Original: English*

*For the Federal Republic of Germany, the Vatican City State, the Republic of Croatia, Luxembourg, Malta, the Republic of Montenegro, the Kingdom of the Netherlands, Portugal, the United Kingdom of Great Britain and Northern Ireland and Turkey:*

The delegations of the above-mentioned countries regret that this Conference was unable to agree to any allocation of additional spectrum for high-frequency broadcasting to help address the long-standing inadequacy of spectrum in the 4-10 MHz range referenced in Resolution 544 (WRC-03).

This Conference presented a genuine opportunity to meet this need based on comprehensive ITU-R studies and pragmatic balanced proposals that took into account all of the radio services concerned.

These Administrations reserve the right to take such action as may be necessary, consistent with the Radio Regulations, to meet the needs of their high-frequency broadcasting services.

81

*Original: French*

*For Burkina Faso:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Burkina Faso reserves for its Government the right to take any action necessary to ensure the effective and efficient utilization of the radio-frequency spectrum within its territory should any Member fail in any way to respect the relevant provisions of the Constitution and Convention of the International Telecommunication Union.

82

*Original: English*

*For the Republic of Albania, the Federal Republic of Germany, Austria, the Republic of Bulgaria, the Republic of Cyprus, the Republic of Croatia, Denmark, Spain, the Republic of Estonia, Finland, France, Georgia, Greece, the Republic of Hungary, Ireland, Iceland, the Principality of Liechtenstein, the Republic of Lithuania, Luxembourg, Malta, the Republic of Moldova, the Republic of Montenegro, Norway, the Kingdom of the Netherlands, the Republic of Poland, Portugal, the Slovak Republic, the Czech Republic, the United Kingdom of Great Britain and Northern Ireland, the Republic of Serbia, the Republic of Slovenia, Sweden and the Confederation of Switzerland:*

At the time of signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegations of the above-mentioned countries formally declare that they maintain the declarations and reservations made by their countries when signing the Final Acts of previous treaty-making conferences of the Union as if they were made in full at this World Radiocommunication Conference.

83

*Original: Spanish*

*For Chile:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of Chile reserves for its Government the right:

to take any action it considers necessary to protect and safeguard its interests, and, in particular, to protect its telecommunication networks, systems and services, both existing and planned, should any Member State of the Union in any way fail or neglect to apply the provisions

contained in these Acts, including the decisions, Recommendations, Resolutions and Annexes that form an integral part of the same, or those provisions contained in the Constitution or Convention of the International Telecommunication Union, or should the proper functioning of its telecommunication networks, systems or services be jeopardized by reason of any declarations or reservations entered by any Member State of the Union.

84

*Original: French*

*For the Republic of Benin:*

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Benin declares:

1. that it reserves for its Government the right to take any action that it deems necessary to safeguard the interests of Benin and to protect its telecommunication service installations should any other Member country of the Union breach the provisions of the Final Acts or provisions of the Constitution or Convention;

2. that its Government will not accept responsibility for the consequences of failure by Member States to respect the basic texts of the Union.

85

*Original: Arabic*

*For the Kingdom of Saudi Arabia, the Kingdom of Bahrain, the United Arab Emirates, the Republic of Iraq, the State of Kuwait, Lebanon, the Syrian Arab Republic and the Republic of the Sudan:*

The above-mentioned delegations to the World Radiocommunication Conference (Geneva, 2007) declare that the signature and possible ratification by their respective Governments of the Final Acts of this Conference should not be valid for the Union Member under the name "Israel", and in no way whatsoever imply its recognition by those Governments.

#### ADDITIONAL DECLARATIONS AND RESERVATIONS

86

*Original: English*

*For the State of Israel:*

1. Declarations Nos. 16, 63 and 85 made by certain Member States in respect of the Final Acts, contravene the principles and purposes of the International Telecommunication Union, and are therefore devoid of legal validity.

2. The Government of the State of Israel wishes to put on record that it rejects these aforesaid declarations, which politicize and undermine the work of the ITU.

3. Should any Member State that has made the foregoing declaration act towards Israel in a manner which violates Israel's rights as a Member State of the ITU, or breaches such Member State's obligations towards Israel as such, the State of Israel reserves its right to act toward such Member State in a reciprocal fashion.

87

*Original: English*

*For Canada:*

Having noted the declarations and reservations contained in Document 427 of the World Radiocommunication Conference of the International Telecommunication Union (Geneva, 2007), the delegation of Canada further reserves on behalf of its Government the right to take whatever measures it may consider necessary to safeguard its interests should other Member States fail to comply with the provisions of the Radio Regulations, particularly to those pertaining to the use of radio frequencies and any associated orbits, including the geostationary-satellite orbit.

88

*Original: French*

*For the Republic of Djibouti:*

Having regard to the declarations set forth in Document 427 of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Djibouti:

a) reserves for its Administration the right to take any measures it may consider necessary, in conformity with its domestic law and with international law, to safeguard its interests should any other Member of the Union fail to respect the Final Acts, or enter reservations that may jeopardize the operation of telecommunication services within its territory;

b) reserves as well the right to amend the foregoing reservations and declarations and to enter further reservations or declarations at the time of depositing with the International Telecommunication Union its consent to be bound by the revisions to the Radio Regulations adopted by the World Radiocommunication Conference (Geneva, 2007).

*Original: English*

*For the Republic of Croatia:*

In reviewing the declarations and reservations made by Member States and contained in Document 427, the delegation of the Republic of Croatia, on behalf of its Government, declares the additional declaration as follows:

In signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Croatia reserves for its Government the right to take such action as it may consider necessary to safeguard its interests should any Member of the Union fail to comply with the provisions of the Final Acts adopted by the World Radiocommunication Conference (Geneva, 2007) or should reservations made by other countries jeopardize the proper operation of its electronic communication services.

The delegation of the Republic of Croatia further declares that the Republic of Croatia, as a candidate country for future membership of the European Union, will apply the revision of the Radio Regulations adopted at this Conference, but from the date of its accession to the European Community the application of these acts will be in accordance with its obligations under the EC Treaty.

*Original: English*

*For the Arab Republic of Egypt:*

In reviewing the declarations made by Member States and contained in Document 427, the delegation of Egypt, on behalf of its Government, declares the additional declaration as follows:

In signing the Final Acts of the World Radiocommunication Conference (WRC-07), the delegation of Egypt reserves for its Government the following rights:

1. To take any necessary actions and measures it deems to protect its interests should any Member State of the International Telecommunication Union (ITU) fail to fully respect the provisions and Resolutions of the Final Acts or to comply with them, or should reservations by any Member State jeopardize in any way the telecommunication services in Egypt.

2. To make additional reservations when ratifying the Final Acts of this Conference.

*Original: French*

*For the Republic of the Niger:*

Having taken note of the declarations contained in Document 427, the delegation of the Republic of the Niger declares, in the name of its Government, that the latter reserves the right:

– to make reservations to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) by virtue of the Vienna Convention on the Law of Treaties of 1969, at any time it may think fit between the date of signature and the date of ratification of the international instruments constituting such Final Acts.

*Original English*

*For the Federal Republic of Germany, Australia, the Republic of Bulgaria, the Republic of Cyprus, the Republic of Croatia, Denmark, the United States of America, France, Greece, the Republic of Hungary, Ireland, Japan, the Republic of Latvia, the Principality of Liechtenstein, the Republic of Lithuania, Luxembourg, Malta, the Republic of the Marshall Islands, Norway, New Zealand, the Kingdom of the Netherlands, the Republic of Poland, Portugal, the Slovak Republic, the Czech Republic, the United Kingdom of Great Britain and Northern Ireland, the Republic of Slovenia, Sweden, the Confederation of Switzerland, Turkey, Ukraine:*

The delegations of the above-mentioned States, referring to the declaration made by the Republic of Colombia (No. 74), inasmuch as these and any similar statements refer to the Bogota Declaration of 3 December 1976 made by equatorial countries and to the claims of those countries to exercise sovereign rights over segments of the geostationary-satellite orbit, and to any related claims, consider that the claims in question cannot be recognized by this Conference.

The above-mentioned delegations also wish to state that reference in Article 44 of the Constitution to the “geographical situation of particular countries” does not imply recognition of a claim to any preferential rights to the geostationary-satellite orbit.

*Original: English*

*For Turkey:*

The delegation of the Republic of Turkey, in signing the Final Acts of the World Radiocommunication Conference (WRC-07) and having read the declarations and reservations in Document 427, declares that it

reserves the right for its Government to implement the provisions of the Final Acts only to the State parties with which it has diplomatic relations.

94

*Original: French*

*For the Republic of Cameroon:*

In signing the Final Acts of the World Radiocommunication Conference held in Geneva from 22 October 2007 to 16 November 2007, the delegation of the Republic of Cameroon, after having noted the declarations made in Document 427 by other administrations present at the conference, declares:

1. that it reserves for its Government the sovereign right to take any measures that it may deem necessary and appropriate to safeguard its interests should any Member State of the International Telecommunication Union (ITU) fail to comply with the provisions of these Final Acts;
2. that its Government will not accept responsibility for the consequences of reservations made by Member States of ITU;
3. that its Government reserves the right to make any additional reservations that it may deem necessary up to the time of deposit of the instruments of ratification.

95

*Original: English*

*For the United States of America:*

1. The United States of America refers to declarations made by various Member States, including Nos. 51 and 39, reserving their right to take such actions as they may consider necessary to safeguard their interests with respect to application of the provisions of the Constitution and Convention of the International Telecommunication Union (Geneva, 1992), and any amendments thereto. The United States of America reserves the right to take whatever measures it deems necessary to safeguard U.S. interests in response to such actions.

2. The United States of America, noting Statement 71 entered by the delegation of Cuba, recalls its right to broadcast to Cuba on appropriate frequencies free of jamming or other wrongful interference and reserves its rights with respect to existing interference and any future interference by Cuba with

U.S. broadcasting. The United States also incorporates by reference as if fully stated herein Additional Declaration No. 104 entered in the Final Acts of the International Telecommunication Union Plenipotentiary Conference (Antalya, 2006).



*Original: English*

*For the Republic of the Marshall Islands:*

Having considered the declarations and reservations contained in Document 427, the delegation of the United States of America, acting on behalf of the Government of the Republic of the Marshall Islands, pursuant to Article 31 of the International Telecommunication Union Convention (Geneva, 1992), as amended by the Plenipotentiary Conference (Kyoto, 1994), declares that it reserves for the Government of the Republic of the Marshall Islands the right to make any declarations or reservations necessary to Marshallese interests should declarations or reservations made by other Member States jeopardize the proper operation of the telecommunication services of the Republic of the Marshall Islands.

*Original: English*

*For the Republic of the Philippines:*

The delegation of the Republic of the Philippines, having considered Document 427 of WRC-07, declares that it reserves for its Government the right to take any action it deems necessary and appropriate, consistent with its national law to safeguard its interests, should any Member or Members of the International Telecommunication Union (ITU) fail in any way to observe the Final Acts of WRC-07 and the Annexes thereto, or should reservations made by representatives of other Member States jeopardize the operation of its telecommunications, broadcast and radio-communication network services or prejudice its rights as a sovereign country.

*Original: English*

*For the Republic of Azerbaijan:*

Having considered the declarations included in Document 427, the delegation of the Republic of Azerbaijan in signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), reserves for its Government the right:

– to take any measures it might deem necessary to safeguard its interests if another Member State of the Union should in any way fail to observe or violate the provisions contained in the Constitution and Convention of the International Telecommunication Union, or those set out in the Resolutions, Decisions, Recommendations, Annexes and Protocols constituting the Final Acts of the World Radiocommunication Con-

ference (Geneva, 2007) or if the reservations made by any Member State should be prejudicial to the operation of radiocommunication services in the Republic of Azerbaijan;

– to take any measures that may be thought fit in order to regulate its domestic telecommunications in accordance with the applicable national laws and regulations on the territories of Azerbaijan. In this context, all radio transmitters or radiocommunication equipment operating within the territories of the Republic of Azerbaijan, without prior agreement of the Government of Azerbaijan, will be assumed as operating illegally.

99

*Original: English*

*For the Republic of Latvia:*

After having considered the declarations and reservations contained in Document 427, the delegation of the Republic of Latvia maintains the declarations and reservations made by itself when signing the Final Acts of previous treaty-making conferences of the Union as if they were in full at this World Radiocommunication Conference.

100

*Original: English*

*For the Kingdom of Cambodia:*

After having considered the declarations and reservations contained in Document 427 of the World Radiocommunication Conference (Geneva, 2007), the delegation of Cambodia declares that the Royal Government of the Kingdom of Cambodia reserves the right to take all measures it may deem necessary to protect its sovereignty and national interests, if any of the regulations are used by any country against the sovereign right of the Kingdom of Cambodia to regulate the orderly deployment and operation of its national and international telecommunication and radiocommunication networks.

The delegation of Cambodia further declares that it reserves for its Royal Government the right to make any declaration or reservation at any time if necessary.

101

*Original: English*

*For the Islamic Republic of Iran:*

In the Name of God, the Compassionate, the Merciful.

With respect to Declaration No. 64, the delegation of the Islamic Republic of Iran to the World Radiocommunication Conference (Geneva, 2007) declares that the signature and possible ratification by its Government of the Final Acts of this Conference should not be valid for

the Union Member under the name “Israel”, and in no way whatsoever imply its recognition by the Islamic Republic of Iran.

102

*Original: English*  
*For Papua New Guinea:*

After having considered the declarations and reservations contained in Conference Document 427, the delegation of Papua New Guinea further declares that it reserves for its Government the right to make any additional statements or reservations it may consider necessary up to and including the time when it deposits its instruments of ratification for the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

103

*Original: French*  
*For the Republic of Burundi:*

Having taken note of the declarations made in Document 427 of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Burundi declares that its Administration will comply with the provisions of the Final Acts without prejudice to its sovereign right to take any measures that the Government of Burundi may deem necessary to safeguard its telecommunication services in the event of harmful interference caused to the said services by any Member of the Union failing to comply with the provisions of the Radio Regulations as revised and adopted by this Conference.

The delegation of the Republic of Burundi further declares that it reserves for its Government the right to make any declaration or reservation when depositing its instrument of ratification of the Final Acts of the World Radiocommunication Conference (Geneva, 2007).

104

*Original: English*  
*For Italy:*

Having reviewed the text of the declarations contained in Document 427 and in signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Republic of Italy declares that it reserves for its Government the right:

1. to take any action and preservation measures it deems necessary should the consequences of reservations by any Member State put in danger Italy's radiocommunication services or affect its sovereignty to comply with the provisions of the Final Acts, the Annexes thereto or the Radio Regulations;

2. to express declarations or reservations with respect to the Final Acts of the World Radiocommunication Conference (Geneva, 2007) at the time of deposit of the corresponding instruments of ratification with the International Telecommunication Union.

105

*Original: English  
For Thailand:*

After having considered the declarations and reservations contained in Document 427 and in signing the Final Acts of the World Radiocommunication Conference (Geneva, 2007), the delegation of the Kingdom of Thailand reserves for its Government the right to take any actions and measures it deems necessary to protect its interests should any Member State of the International Telecommunication Union (ITU) fail to fully respect the provisions and Resolutions of the Final Acts or to comply with them, or should reservations by any Member State jeopardize in any way the telecommunication services of the Kingdom of Thailand.

106

*Original: French  
For the People's Democratic Republic of Algeria:*

After having noted the declarations expressed in Document 427 of the World Radiocommunication Conference (Geneva, 2007), the delegation of the People's Democratic Republic of Algeria to WRC-07 hereby declares, in the name of its Government, and by virtue of the powers with which it has been invested,

that it reserves for its Government the right:

1. to take any measures that it may deem necessary to safeguard its national interests should they be affected by the decisions taken at this Conference, or should other countries or administrations fail in any way whatsoever to comply with the provisions of the instruments amending the Constitution and Convention of ITU or the Annexes, Protocols or Rules attached thereto, or the Final Acts of this Conference, or should any reservations, declarations, or additional reservations or declarations made by other countries or administrations infringe the normal operation of its telecommunication services or threaten the full exercise of the sovereign rights of the People's Democratic Republic of Algeria;

2. not to accept responsibility in respect of the consequences of any reservations made by other Members of the Union;

3. to make any additional declarations or reservations concerning the Final Acts of the World Radiocommunication Conference (Geneva,

2007) when it deposits the corresponding instruments of ratification with the International Telecommunication Union.

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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, *Trb.* 2001, 159 en 160 en *Trb.* 2007, 111.

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*Radioreglement, WRC-07*

De in rubriek B hierboven afgedrukte herziening van het Radioreglement van 2007 (WRC-07) behoeft ingevolge artikel 7, onderdeel b, van de Rijkswet goedkeuring en bekendmaking verdragen niet de goedkeuring van de Staten-Generaal.

E. PARTIJGEGEVENS

Zie rubriek E van *Trb.* 1982, 137 en *Trb.* 2007, 111.

*WRC-97*

Zie rubriek J van *Trb.* 2001, 159.

Partij	Onder-tekening	Ratificatie	Type*	In werking	Opzeg-ging	Buiten werking
Australië		13-01-00	R	13-01-00		
Canada		22-07-98	R	22-07-98		
Duitsland		01-10-99	R	01-10-99		
Frankrijk		06-08-01	R	06-08-01		
Japan		01-11-00	R	01-11-00		
Mexico		28-03-01	R	28-03-01		
<b>Nederlanden, het Koninkrijk der</b> – Nederland – Ned. Antillen – Aruba		19-12-07 19-12-07 19-12-07	R R R	19-12-07 19-12-07 19-12-07		

Partij	Onder-tekening	Ratificatie	Type*	In werking	Opzeg-ging	Buiten werking
Spanje		10-02-04	R	10-02-04		
Syrië		23-08-02	R	23-08-02		
Zwitserland		21-03-00	R	21-03-00		

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

## WRC-2000

Zie rubriek J van *Trb.* 2001, 160.

Partij	Onder-tekening	Ratificatie	Type*	In werking	Opzeg-ging	Buiten werking
Australië		09-09-02	R	09-09-02		
Canada		09-10-00	R	01-01-02		
Duitsland		18-05-01	R	01-01-02		
Frankrijk		15-10-03	R	15-10-03		
Japan		23-04-02	R	23-04-02		
Libanon		01-04-04	R	01-04-04		
Maleisië		25-11-03	R	25-11-03		
Mexico		06-09-05	R	06-09-05		
Monaco		25-10-07	R	25-10-07		
<b>Nederlanden, het Koninkrijk der</b> – Nederland – Ned. Antillen – Aruba		19-12-07 19-12-07 19-12-07	R R R	19-12-07 19-12-07 19-12-07		
Nigeria		23-06-03	R	23-06-03		
Peru		27-05-03	R	27-05-03		
Soedan		23-06-06	R	23-06-06		
Spanje		10-02-04	R	10-02-04		
Syrië		23-08-02	R	23-08-02		

Partij	Onder-tekening	Ratificatie	Type*	In werking	Opzeg-ging	Buiten werking
Zwitserland		20-07-06	R	20-07-06		
* 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	Ratificatie	Type*	In werking	Opzeg-ging	Buiten werking
Argentinië		16-06-06	R	16-06-06		
Canada		08-07-05	R	08-07-05		
Cyprus		26-02-04	R	01-01-05		
Frankrijk		03-09-04	R	01-01-05		
Maleisië		15-10-07	T	15-10-07		
Mexico		18-04-06	R	18-04-06		
Monaco		25-10-07	T	25-10-07		
<b>Nederlanden, het Koninkrijk der</b> – Nederland – Ned. Antillen – Aruba		19-12-07 19-12-07 19-12-07	R R R	19-12-07 19-12-07 19-12-07		
Nieuw-Zeeland		20-06-06	R	20-06-06		
Soedan		23-06-06	R	23-06-06		
Spanje		11-07-07	R	11-07-07		
Zwitserland		20-07-06	R	20-07-06		
* O=Ondertekening zonder voorbehoud of vereiste van ratificatie, R= Bekrachtiging, aanvaarding, goedkeuring of kennisgeving, T=Toetreding, VG=Voortgezette gebondenheid, NB=Niet bekend						

## F. VOORLOPIGE TOEPASSING

Zie rubriek J van *Trb.* 1997, 135 en *Trb.* 2001, 159 en 160 en rubriek F van *Trb.* 2007, 111.

*Radioreglement, WRC-07*

Ingevolge artikel 54 van het Statuut van de Internationale Unie voor Telecommunicatie is de herziening van het Radioreglement vanaf 1 januari 2009, voorlopig van toepassing ten aanzien van een Lidstaat die de herziening tijdens de Mondiale Radio Communicatie Conferentie heeft ondertekend en de Secretaris-Generaal van de Internationale Unie voor Telecommunicatie nog geen kennis heeft gegeven van zijn instemming te worden gebonden.

Wat het Koninkrijk der Nederlanden betreft, geldt de voorlopige toepassing voor het gehele Koninkrijk.

G. INWERKINGTREDING

Zie *Trb.* 1981, 78 en rubriek J van *Trb.* 1984, 9, *Trb.* 1987, 125, *Trb.* 1988, 26, 97 en 146, *Trb.* 1989, 93, *Trb.* 1999, 46 en *Trb.* 2001, 160 en rubriek G van *Trb.* 2007, 111.

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*Radioreglement, WRC-97*

De herziening van het Radioreglement van 1997 is ingevolge artikel 54, eerste en vierde lid, van het Statuut van de Internationale Unie voor Telecommunicatie op 19 december 2007 voor het Koninkrijk der Nederlanden in werking getreden.

Wat het Koninkrijk der Nederlanden betreft, geldt de herziening, evenals het Radioreglement, voor het gehele Koninkrijk.

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*Radioreglement, WRC-2000*

De herziening van het Radioreglement van 2000 is ingevolge artikel 54, eerste en vierde lid, van het Statuut van de Internationale Unie voor Telecommunicatie op 19 december 2007 voor het Koninkrijk der Nederlanden in werking getreden.

Wat het Koninkrijk der Nederlanden betreft, geldt de herziening, evenals het Radioreglement, voor het gehele Koninkrijk.

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*Radioreglement, WRC-03*

De herziening van het Radioreglement van 2003 is ingevolge artikel 54, eerste en vierde lid, van het Statuut van de Internationale Unie voor Telecommunicatie op 19 december 2007 voor het Koninkrijk der Nederlanden in werking getreden.



Wat het Koninkrijk der Nederlanden betreft, geldt de herziening, evenals het Radioreglement, voor het gehele Koninkrijk.

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*Radioreglement, WRC-07*

De herziening van het Radioreglement van 2007 is, met uitzondering van de Resoluties genoemd in artikel 59, tiende lid, ingevolge artikel 59, negende lid, van WRC-07 op 1 januari 2009 in werking getreden.

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*Regionale Overeenkomst van 23 juni 1961*

De Regionale Overeenkomst van 1961 is ingevolge artikel 4 van het Protocol van 16 juni 2006 tot herziening van de Regionale Overeenkomst van 1961 op 15 februari 2008 voor het Koninkrijk der Nederlanden in werking getreden.

Wat het Koninkrijk der Nederlanden betreft, geldt de Regionale Overeenkomst alleen voor Nederland.

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

De Herziene Regionale Overeenkomst van 2006 is op 15 februari 2008 voor het Koninkrijk der Nederlanden in werking getreden.

Wat het Koninkrijk der Nederlanden betreft, geldt de Herziene Regionale Overeenkomst alleen voor Nederland.

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*Regionale Overeenkomst digitale omroep van 16 juni 2006*

De Regionale Overeenkomst digitale omroep van 2006 is op 15 februari 2008 voor het Koninkrijk der Nederlanden in werking getreden.

Wat het Koninkrijk der Nederlanden betreft, geldt de Regionale Overeenkomst digitale omroep alleen voor Nederland.

J. VERWIJZINGEN

Zie *Trb.* 1984, 9 en 121, *Trb.* 1999, 46 en *Trb.* 2007, 111.

**Overige verbanden**

Titel : Statuut en Verdrag van de Internationale Unie voor  
Telecommunicatie;  
Genève, 22 december 1992  
Laatste *Trb.* : *Trb.* 2008, 223

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In overeenstemming met artikel 19, tweede lid, van de Rijkswet goedkeuring en bekendmaking verdragen heeft de Minister van Buitenlandse Zaken bepaald dat de herziening van het Radioreglement van 2007 zal zijn bekendgemaakt in Nederland, de Nederlandse Antillen en Aruba op de dag na de datum van uitgifte van dit Tractatenblad.

Uitgegeven de *derde* maart 2009.

*De Minister van Buitenlandse Zaken,*

M. J. M. VERHAGEN