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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 19 to Document 8-E** |
|  | **3 October 2015** |
|  | **Original: Russian** |
|  | |
| Regional Commonwealth in the field of Communications Common Proposals | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 2 | |

2 to examine the revised ITU‑R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution **28 (Rev.WRC‑03)**, and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution **27 (Rev.WRC‑12)**;

Resolution **28 (Rev.WRC‑03)**: Revision of references to the text of ITU-R Recommendations incorporated by reference in the Radio Regulations

Introduction

The RCC Administrations support the principles of incorporation of texts in the RR by reference and propose the following amendments.

Proposals

MOD RCC/8A19/1

RESOLUTION 748 (REV.WRC‑15)

Compatibility between the aeronautical mobile (R) service and the fixed-satellite service (Earth-to-space) in the band 5 091-5 150 MHz

resolves

1 that any AM(R)S systems operating in the band 5 091-5 150 MHz shall not cause harmful interference to, nor claim protection from, systems operating in the ARNS;

2 that any AM(R)S systems operating in the frequency band 5 091-5 150 MHz shall meet the SARPs requirements published in Annex 10 of the ICAO Convention on International Civil Aviation and the requirements of Recommendation ITU‑R M.1827, to ensure compatibility with FSS systems operating in that band;

3 that, in part to meet the provisions of No. **4.10**, the coordination distance with respect to stations in the FSS operating in the band 5 091-5 150 MHz shall be based on ensuring that the signal received at the AM(R)S station from the FSS transmitter does not exceed −143 dB(W/MHz), where the required basic transmission loss shall be determined using the methods described in Recommendations ITU‑R P.525‑2 and ITU‑R P.526‑13,

ARTICLE 19

Identification of stations

Section VI − Identities in the maritime mobile service    (WRC‑15)

19.98 A − General

MOD RCC/8A19/2

19.99 § 39 When a station6 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 Annex 1 of Recommendation ITU‑R M.585‑7. In accordance with No. **20.16**, administrations shall notify the Radiocommunication Bureau immediately when assigning maritime mobile service identities.    (WRC‑15)

MOD RCC/8A19/3

19.102 3) The types of maritime mobile service identities shall be as described in Annex 1 of Recommendation ITU‑R M.585‑7.    (WRC‑15)

19.110 C − Maritime mobile service identities    (WRC‑07)

MOD RCC/8A19/4

19.111 § 43 1) Administrations shall follow Annex 1 of Recommendation ITU‑R M.585‑7 concerning the assignment and use of maritime mobile service identities.    (WRC‑15)

Section V − Selective call numbers in the maritime mobile service

MOD RCC/8A19/5

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.625-4, their call numbers shall be assigned by the responsible administrations in accordance with the provisions below.     (WRC‑15)

ARTICLE 51

Conditions to be observed in the maritime services

Section I − Maritime mobile service

51.39 CA − Ship stations using narrow-band direct-printing telegraphy

MOD RCC/8A19/6

51.41 2) The characteristics of the narrow-band direct-printing equipment shall be in accordance with Recommendations ITU‑R M.476‑5 and ITU‑R M.625‑4. The characteristics should also be in accordance with the most recent version of Recommendation ITU‑R M.627.    (WRC‑15)

APPENDIX 15 (REV.WRC‑12)

Frequencies for distress and safety communications for the Global  
Maritime Distress and Safety System (GMDSS)

MOD RCC/8A19/7

TABLE 15-2     (WRC‑15)

Frequencies above 30 MHz (VHF/UHF)

|  |  |  |
| --- | --- | --- |
| Frequency (MHz) | Description of usage | Notes |
| \*121.5 | AERO-SAR | The aeronautical emergency frequency 121.5 MHz is used for the purposes of distress and urgency for radiotelephony by stations of the aeronautical mobile service using frequencies in the band between 117.975 MHz and 137 MHz. This frequency may also be used for these purposes by survival craft stations. Use of the frequency 121.5 MHz by emergency position-indicating radio beacons shall be in accordance with Recommendation ITU‑R M.690‑3.  Mobile stations of the maritime mobile service may communicate with stations of the aeronautical mobile service on the aeronautical emergency frequency 121.5 MHz for the purposes of distress and urgency only, and on the aeronautical auxiliary frequency 123.1 MHz for coordinated search and rescue operations, using class A3E emissions for both frequencies (see also Nos. **5.111** and **5.200**). They shall then comply with any special arrangement between governments concerned by which the aeronautical mobile service is regulated. |

MOD RCC/8A19/8

APPENDIX 18 (REV.WRC‑15)

Table of transmitting frequencies in the  
VHF maritime mobile band

(See Article 52)

NOTE B – The Table below defines the channel numbering for maritime VHF communications based on 25 kHz channel spacing and use of several duplex channels. The channel numbering and the conversion of two-frequency channels for single-frequency operation shall be in accordance with Recommendation ITU‑R M.1084‑5 Annex 4, Tables 1 and 3. The Table below also describes the harmonized channels where the digital technologies defined in the most recent version of Recommendation ITU‑R M.1842 could be deployed.     (WRC‑15)

ARTICLE 52

Special rules relating to the use of frequencies

Section VI − Use of frequencies for radiotelephony

52.176 A − General

MOD RCC/8A19/9

52.181 § 85 Single-sideband apparatus in radiotelephone stations of the maritime mobile service operating in the bands allocated to this service between 1 606.5 kHz and 4 000 kHz and in the bands allocated exclusively to this service between 4 000 kHz and 27 500 kHz shall satisfy the technical and operational conditions specified in Recommendation ITU‑R M.1173‑1.     (WRC‑15)

52.216 C − Bands between 4 000 kHz and 27 500 kHz

C3 − Traffic

MOD RCC/8A19/10

52.229 4) Transmitters used for radiotelephony in the bands between 4 000 kHz and 27 500 kHz shall comply with technical characteristics specified in Recommendation ITU‑R M.1173-1.     (WRC‑15)

APPENDIX 17 (REV.WRC‑12)

Frequencies and channelling arrangements in the  
high-frequency bands for the maritime mobile service

Annex 1\*     (WRC‑12)

Frequencies and channelling arrangements in the high-frequency   
bands for the maritime mobile service, in force   
until 31 December 2016     (WRC‑12)

PART B – Channelling arrangements     (WRC‑15)

MOD RCC/8A19/11

Section I – Radiotelephony

2 The technical characteristics for single-sideband transmitters are specified in Recommendation ITU‑R M.1173-1.     (WRC‑15)

6 *a)* Maritime radiotelephone stations using single-sideband emissions in the bands between 4 000 kHz and 27 500 kHz exclusively allocated to the maritime mobile service shall operate only on the carrier frequencies shown in the Sub-Sections A and B and, in the case of analogue radiotelephony, shall be in conformity with the technical characteristics specified in Recommendation ITU‑R M.1173-1.     (WRC‑15)

*b)* Ship stations, when using frequencies for single-sideband emissions in the bands 4 000-4 063 kHz and ship and coast stations, when using frequencies for single-sideband emissions in the band 8 100-8 195 kHz should operate on the carrier frequencies indicated in Sub-Sections C‑1 and C‑2 respectively. In the case of analogue radiotelephony technical characteristics of the equipment shall be those specified in Recommendation ITU‑R M.1173-1.    (WRC‑15).

ARTICLE 5

Frequency allocations

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

MOD RCC/8A19/12

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.1174‑3. (WRC‑15)

MOD RCC/8A19/13

5.288 In the territorial waters of the United States and the Philippines, the preferred frequencies for use by on‑board communication stations shall be 457.525 MHz, 457.550 MHz, 457.575 MHz and 457.600 MHz paired, respectively, with 467.750 MHz, 467.775 MHz, 467.800 MHz and 467.825 MHz. The characteristics of the equipment used shall conform to those specified in Recommendation ITU‑R M.1174-3.     (WRC-15)

ARTICLE 22

Space services1

Section II − Control of interference to geostationary-satellite systems

MOD RCC/8A19/14

TABLE **22-1D**     (Rev.WRC‑15)

Limits to the epfd↓ 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 antennas6, 9, 10, 11

| Frequency band (GHz) | epfd↓ (dB(W/m2)) | Percentage of time during which epfd↓ may not be exceeded | Reference bandwidth (kHz) | Reference antenna diameter and reference radiation pattern12 |
| --- | --- | --- | --- | --- |
| 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  −165.541  −164.041  −158.6  −158.6  −158.33  −158.33 | 0  25  96  98.857  99.429  99.429  100 | 40 | 30 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −175.441  −172.441  −169.441  −164  −160.75  −160  −160 | 0  66  97.75  99.357  99.809  99.986  100 | 40 | 45 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −176.441  −173.191  −167.75  −162  −161  −160.2  −160  −160 | 0  97.8  99.371  99.886  99.943  99.971  99.997  100 | 40 | 60 cm Recommendation ITU‑R BO.1443-3, Annex 1 |

MOD RCC/8A19/15

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12 22.5C.11 For this Table, reference patterns of Annex 1 to Recommendation ITU‑R BO.1443‑3 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‑15)

ARTICLE 5

Frequency allocations

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

MOD RCC/8A19/16

5.447F In the band 5 250-5 350 MHz, stations in the mobile service shall not claim protection from the radiolocation service, the Earth exploration-satellite service (active) and the space research service (active). These services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendations ITU‑R M.1638-1 and ITU‑R RS.1632.     (WRC-15)

MOD RCC/8A19/17

5.450A In the band 5 470-5 725 MHz, stations in the mobile service shall not claim protection from radiodetermination services. Radiodetermination services shall not impose on the mobile service more stringent protection criteria, based on system characteristics and interference criteria, than those stated in Recommendation ITU‑R M.1638-1.     (WRC-15)

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