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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 32-E** |
|  | **29 September 2015** |
|  | **Original: English** |
|  | |
| Asia-Pacific Telecommunity 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)**;

Introduction

At the fifth APT preparatory meeting for WRC-15, APT Members considered the following two issues associated with this agenda item:

– Issue 1 – Consideration on the ITU-R Recommendations incorporated by reference in the Radio Regulations which have been revised and approved since WRC-12;

– Issue 2 – Addition of “-0” to the first version of the Recommendations incorporated by reference in the Radio Regulations.

Details of the related proposals along with explanatory text are given below.

Proposals

Issue 1 – Consideration on the ITU-R Recommendations incorporated by reference in the Radio Regulations which have been revised and approved since WRC-12

APT Members propose updating the references to the following ITU-R Recommendations in Table A1 which are contained in Volume 4 of the Radio Regulations to the most recent version. The relevant texts in the RR footnotes, provisions and WRC Resolutions incorporating these Recommendations by reference, as identified in the cross-reference Table in Volume 4 of the Radio Regulations, need to be updated accordingly.

Table A1

|  |  |  |
| --- | --- | --- |
| Current version in the RR Volume 4 | The most recent version | Relevant RR provisions and footnotes |
| M.585-6 | M.585-7 | Nos. 19.99, 19.102, 19.111 |
| M.625-3 | M.625-4 | Nos. 19.83, 51.41 |
| M.690-1 | M.690-3 | App. 15 (Table 15-2) |
| M.1173 | M.1173-1 | Nos. 52.181, 52.229,  App. 17 (Annex 1, Part B, Sec. I § 2 and § 6 a) and b) |
| BO.1443-2 | BO.1443-3 | Table 22-1D (and No. 22.5C.11) |
| M.1638 | M.1638-1(\*) | Nos. 5.447F, 5.450A |
| (\*) For Recommendation ITU-R M.1638, the system characteristics for meteorological radars which are referred to in the relevant footnotes have been removed in the latest revision, and this information is now included in another Recommendation ITU-R M.1849 approved in 2009. In such a status, the updating of this IBR Recommendation requires further consideration at the Conference. | | |

APT Members are of the view that the references to the following ITU-R Recommendations in Table A2 which are contained in Volume 4 of the Radio Regulations also need to be updated to their most recent versions. The relevant texts in the RR footnotes, provisions and WRC Resolutions incorporating these Recommendations by reference, as identified in the cross-reference Table in Volume 4 of the Radio Regulations, also need to be updated accordingly.

It is noted that these Recommendations have some relevance to specific WRC-15 agenda items as they are referred to in the relevant sections of the CPM Report. At the Conference, the updating work of agenda item 2 may be conducted in conjunction with the consideration of these agenda items.

Table A2

|  |  |  |  |
| --- | --- | --- | --- |
| Current version in the RR Volume 4 | The most recent version | Agenda item | Relevant RR provisions and footnotes |
| P.526-11 | P.526-13 | 1.7 | No.5.444B  (via Resolution 748 (Rev.WRC-12)) |
| M.1084-4 | M.1084-5 | 1.16 | App. 18 (NOTE B) |
| M.1174-2 | M.1174-3 | 1.15 | Nos. 5.287, 5.288 |
| M.1827 | M.1827-1 | 1.7 | No. 5.444B  (via Resolution748 (Rev.WRC-12)) |

Furthermore, APT Members are of the view that, as a result of consideration of agenda item 1.14, the following Recommendation should be removed from Volume 4 of the Radio Regulations, since the provision incorporating this Recommendation by reference is proposed to be modified so that it would no more refer to this Recommendation (see ASP/32A14/1).

Table A3

|  |  |  |
| --- | --- | --- |
| Current version in the RR Volume 4 | Agenda item | Relevant RR provisions and footnotes |
| TF.406-6 | 1.14 | No. 1.14 |

ARTICLE 19

Identification of stations

Section V − Selective call numbers in the maritime mobile service

MOD ASP/32A19/1

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)

Section VI − Identities in the maritime mobile service    (WRC‑12)

19.98 A − General

MOD ASP/32A19/2

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 Annexes 1 to 3 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 ASP/32A19/3

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

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

MOD ASP/32A19/4

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)

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 ASP/32A19/5

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)

ARTICLE 52

Special rules relating to the use of frequencies

Section VI − Use of frequencies for radiotelephony

52.176 A − General

MOD ASP/32A19/6

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 ASP/32A19/7

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 15 (REV.WRC‑12)

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

MOD ASP/32A19/8

TABLE 15-2     (WRC‑12)

Frequencies above 30 MHz (VHF/UHF)

|  |  |  |
| --- | --- | --- |
| Frequency (MHz) | Description of usage | Notes |
| \*121.5 | AERO-SAR | ...  Use of the frequency 121.5 MHz by emergency position-indicating radio beacons shall be in accordance with Recommendation ITU‑R M.690‑3.  ... |

APPENDIX 17 (REV.WRC‑12)

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

Annex 1[[1]](#footnote-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‑07)

MOD ASP/32A19/9

Section I – Radiotelephony

...

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

...

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.

*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.

...

**Reasons:** In Appendix 17 (Annex 1, Part B, Sec. I § 2 and § 6 *a)* and *b)*, the references to Recommendation ITU-R M.1173 need to be updated to its most recent version, i.e. M.1173-1.

ARTICLE 22

Space services1

Section II − Control of interference to geostationary-satellite systems

MOD ASP/32A19/10

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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)

MOD ASP/32A19/11

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 |
| 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  −178.44  −176.44  −171  −165.5  −163  −161  −160  −160 | 0  33  98  99.429  99.714  99.857  99.943  99.991  100 | 40 | 90 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −182.44  −180.69  −179.19  −178.44  −174.94  −173.75  −173  −169.5  −167.8  −164  −161.9  −161  −160.4  −160 | 0  90  98.9  98.9  99.5  99.68  99.68  99.85  99.915  99.94  99.97  99.99  99.998  100 | 40 | 120 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −184.941  −184.101  −181.691  −176.25  −163.25  −161.5  −160.35  −160  −160 | 0  33  98.5  99.571  99.946  99.974  99.993  99.999  100 | 40 | 180 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −187.441  −186.341  −183.441  −178  −164.4  −161.9  −160.5  −160  −160 | 0  33  99.25  99.786  99.957  99.983  99.994  99.999  100 | 40 | 240 cm Recommendation ITU‑R BO.1443-3, Annex 1 |
| −191.941  −189.441  −185.941  −180.5  −173  −167  −162  −160  −160 | 0  33  99.5  99.857  99.914  99.951  99.983  99.991  100 | 40 | 300 cm Recommendation ITU‑R BO.1443-3, Annex 1 |

**Reasons:** In Table 22-1D**,** all the references to Recommendation ITU-R BO.1443-2 need to be updated to its most recent version, i.e. BO.1443-3.

ASP/32A19/12

The references to the following ITU-R Recommendations which are contained in Volume 4 of the Radio Regulations need to be updated to their most recent versions. The relevant texts in the RR footnotes, provisions and WRC Resolutions incorporating these Recommendations by reference, as identified as follows, need to be updated accordingly.

Recommendation ITU-R P.526-11: No. 5.444B (via Resolution 748 (Rev.WRC-12))  
(see also ASP/32A7/5)

Recommendation ITU-R M.1084-4: Appendix 18 (NOTE B)

Recommendation ITU-R M.1174-2: Nos. 5.287, 5.288 (see also ASP/32A15/2)

Recommendation ITU-R M.1827: No. 5.444B (via Resolution 748 (Rev.WRC-12))  
(see also ASP/32A7/5)

**Reasons for ASP/32A19/1 to ASP/32A19/12:** The new revisions of these Recommendations approved after WRC-12 were examined as requested by Resolution 28 (Rev.WRC-03). It is appropriate to update the corresponding references in the Radio Regulations, including associated corrections, in accordance with the principles contained in Annex 1 to Resolution 27 (Rev.WRC‑12).

Issue 2 – Addition of “-0” to the first version of the Recommendations incorporated by reference in the Radio Regulations

APT Members propose updating the references to the first version of the following ITU-R Recommendations contained in Volume 4 of the Radio Regulations to be completed with the version number “-0”. The relevant texts in the RR footnotes, provisions and WRC Resolutions incorporating these Recommendations by reference, as identified in the cross-reference Table in Volume 4 of the Radio Regulations, need to be updated accordingly.

ASP/32A19/13

The references to the following ITU-R Recommendations which are contained in Volume 4 of the Radio Regulations need to be updated to be completed with the version number “‑0” with respect to the relevant texts in the RR footnotes, provisions and WRC Resolutions incorporating these Recommendations by reference, as identified as follows.

|  |  |
| --- | --- |
| Recommendation ITU‑R | Relevant RR provisions and footnotes |
| SA.1154 | No. **5.391** |
| M.1171 | Nos. **52.192**, **52.195**, **52.213**, **52.224**, **52.234**, **52.240**, **57.1** |
| M.1172 | No. **19.48** |
| S.1256 | No. **22.5A** |
| S.1340 | No. **5.511C** |
| S.1341 | No. **5.511A** |
| F.1613 | No. **5.447E** |
| RA.1631 | No. **5.208B** (via Resolution **739 (Rev.WRC-07)**), No. **5.443B** (via Resolution **741 (Rev.WRC-12)**), No. **5.551H**, App. **4**, Annex 2 (item A.17.b.3) (via Resolution **741 (Rev.WRC-12)**) |
| RS.1632 | No. **5.447F** |
| M.1643 | No. **5.504B** (refers to Annex 1, Part C of Rec. ITU-R M.1643), Nos. **5.504C**, **5.508A** and **5.509A** (refer to Annex 1, Part B of Rec. ITU-R M.1643) |
| M.2013 | No. **5.327A** (via Resolution **417 (Rev.WRC-12)**) |

**Reasons:** This is the work based on the new policy of the ITU-R as requested in the CPM Report.

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1. \* *Note by the Secretariat*: Annex 1 contains the entire text of Appendix 17     (REV. WRC‑07) [↑](#footnote-ref-1)