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| **XXV MEETING OF PERMANENT****CONSULTATIVE COMMITTEE II:****RADIOCOMMUNICATIONS****February 23 to 27, 2015****Medellín, Colombia** | **OEA/Ser.L/XVII.4.2****CCP.II-RADIO/doc. 3817/15 rev.4****20 April 2015****Original: English** |
|  |
|  | **AGENDA ITEM 2****DRAFT INTER-AMERICAN PROPOSALS FOR WRC-15** |  |
|  | **(Discussions have not ended)** **(Item on the Agenda: 3.1 (SWG5))** |  |
|  | **(Document submitted by the WG)** |  |

**SGT 5 – General regulatory, future work & other**

**Coordinator:** Mr. Carmelo RIVERA, UNITED STATES OF AMERICA ([crivera@doc.gov](file:///E%3A%5CDocuments%20and%20Settings%5CCITEL.CITELMOBIL%5CLocal%20Settings%5CTemp%5Cwz7d65%5Ccrivera%40doc.gov))

**Alternate Coordinator:** Ms. Martha Suarez, COLOMBIA (Martha.suarez@ane.gov.co)

**Rapporteur Agenda Item:** TBC

**Alternate Rapporteur Agenda Item:** TBC

| **Agenda item** | N° | DIAP | ATG | ARG | BAH | BRB | BLZ | BOL | B | CAN | CHL | CLM | CTR | DOM | DMA | EQA | S LV | USA | GRD | GTM | GUY | HTI | HND | JMC | MEX | NCG | PNR | PRG | PRU | KNA | VCT | LCA | SUR | TRD | URG | VEN | TOTAl |
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| 2 | 1 | MODARTICLE 19Identification of stations19.83  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 2 | MODARTICLE 51Conditions to be observed in the maritime services51.41 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 3 | MOD ARTICLE 52**Special rules relating to the use of frequencies**52.181 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 4 | MODARTICLE 52**Special rules relating to the use of frequencies**52.229 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 5 | MODAPPENDIX 15 (Rev.WRC-12)**Frequencies for distress and safety communications for the GlobalMaritime Distress and Safety System (GMDSS)**TABLE 15-2     (WRC-12)Frequencies above 30 MHz (VHF/UHF) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 6 | MOD APPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency****bands for the maritime mobile service, which****enter into force on 1 January 2017 (WRC-12)**PART B – Channelling arrangements (WRC-12)**Section I – Radiotelephony**2 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 7 | MODAPPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency****bands for the maritime mobile service, which****enter into force on 1 January 2017 (WRC-12)**PART B – Channelling arrangements (WRC-12)**Section I – Radiotelephony**6 a) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 8 | MODAPPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency****bands for the maritime mobile service, which****enter into force on 1 January 2017 (WRC-12)**PART B – Channelling arrangements (WRC-12)**Section I – Radiotelephony**b) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |

| **Agenda item** | N° | DIAP | ATG | ARG | BAH | BRB | BLZ | BOL | B | CAN | CHL | CLM | CTR | DOM | DMA | EQA | S LV | USA | GRD | GTM | GUY | HTI | HND | JMC | MEX | NCG | PNR | PRG | PRU | KNA | VCT | LCA | SUR | TRD | URG | VEN | TOTAl |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 9 | MODAPPENDIX 18 (Rev.WRC-12)Table of transmitting frequencies in theVHF maritime mobile bandNOTE B |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 10 | MODRESOLUTION 748 (Rev.WRC-12)**Compatibility between the aeronautical mobile (R) service and thefixed-satellite service (Earth-to-space) in the band 5 091-5 150 MHz**  |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 11 | MOD**Attachment 2****Provisions or footnotes containing references to ITU-R Recommendations which require revision to clarify or remove any ambiguity as to their status of reference**ARTICLE 5Frequency allocations**Section IV – Table of Frequency Allocations** 5.530A |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 12 | MOD**Attachment 2****Provisions or footnotes containing references to ITU-R Recommendations which require revision to clarify or remove any ambiguity as to their status of reference**ARTICLE 5Frequency allocations**Section IV – Table of Frequency Allocations** 5.543A |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 13 | MODARTICLE 16**International monitoring**16.2 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 14 | MODARTICLE 19**Identification of stations**19.108A |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 15 | MODARTICLE 52**Special rules relating to the use of frequencies****52.264** |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 16 | MODAPPENDIX 5 (Rev.WRC‑12)**Identification of administrations with which coordination is to be effected oragreement sought under the provisions of Article 9**ANNEX 1 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 17 | MODAPPENDIX 7 (REV.WRC‑12)**Methods for the determination of the coordination area around an earthstation in frequency bands between 100 MHz and 105 GHz**ANNEX 4 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 18 | MODAPPENDIX 7 (REV.WRC‑12)**Methods for the determination of the coordination area around an earthstation in frequency bands between 100 MHz and 105 GHz**ANNEX 5 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |

| **Agenda item** | N° | DIAP | ATG | ARG | BAH | BRB | BLZ | BOL | B | CAN | CHL | CLM | CTR | DOM | DMA | EQA | S LV | USA | GRD | GTM | GUY | HTI | HND | JMC | MEX | NCG | PNR | PRG | PRU | KNA | VCT | LCA | SUR | TRD | URG | VEN | TOTAl |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2 | 19 | MODAPPENDIX 7 (REV.WRC‑12)**Methods for the determination of the coordination area around an earthstation in frequency bands between 100 MHz and 105 GHz**ANNEX 6 |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 20 | **MOD****APPENDIX 17 (Rev.WRC-12)****Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service****ANNEX 2 (WRC-12)****Frequency and channelling arrangements in the high-frequency bands for the maritime mobile service, which** **enter into force on 1 January 2017 (WRC-12)****PART A – Table of subdivided bands (WRC-12)** |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 21 | MODAPPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency bands** **for the maritime mobile service, which** **enter into force on 1 January 2017** (WRC-12)p) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 22 | MODAPPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency bands** **for the maritime mobile service, which** **enter into force on 1 January 2017** (WRC-12)t) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |
| 2 | 23 | MODAPPENDIX 17 (Rev.WRC-12)**Frequencies and channelling arrangements in thehigh-frequency bands for the maritime mobile service**ANNEX 2 (WRC-12)**Frequency and channelling arrangements in the high-frequency bands** **for the maritime mobile service, which** **enter into force on 1 January 2017** (WRC-12)v) |  |  |  |  |  |  |  | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | [X] |  | [2] |

**Agenda item 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 principles contained in the Annex 1 to Resolution****27 (Rev.WRC‑12);***

**Background:**

Resolution **28** **(Rev.WRC‑03)** urges administrations to examine any revisions of ITU-R Recommendations containing text incorporated by reference and to prepare possible updating of relevant references in the Radio Regulations.

Proposals on this issue can be found in Attachment 1.

Resolution **27 (Rev.WRC‑12)** invites administrations to submit proposals to future conferences in order to clarify the status of references, where ambiguities remain regarding the mandatory or non-mandatory status of the references in question, with a view to amending those references.

Proposals on this issue can be found in Attachment 2.

Additional proposals may be submitted to subsequent PCC.II meetings, in particular following the submission of the Report of the Director of the Radiocommunication Bureau to the Conference Preparatory Meeting.

**Attachment 1**

**ITU-R Recommendations incorporated by reference:**

To account for certain ITU-R Recommendations that have been revised and approved since WRC-12, the following proposals have been prepared:

ARTICLE 19

Identification of stations

**MOD DIAP/2/1**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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

**MOD DIAP/2/2**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

**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**

**MOD DIAP/2/3**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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)

**MOD DIAP/2/4**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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 DIAP/2/5**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

TABLE 15-2     (WRC-15)

Frequencies above 30 MHz (VHF/UHF)

|  |  |  |
| --- | --- | --- |
| Frequency(MHz) | Descriptionof 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.690-2. 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. |

APPENDIX 17 (Rev.WRC-12)

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

ANNEX 2 (WRC-12)

**Frequency and channelling arrangements in the high-frequency**

**bands for the maritime mobile service, which**

**enter into force on 1 January 2017 (WRC-12)**

PART B – Channelling arrangements (WRC-12)

**Section I – Radiotelephony**

**MOD DIAP/2/6**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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

**MOD DIAP/2/7**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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)

**MOD DIAP/2/8**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

*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)

APPENDIX 18 (Rev.WRC-12)

Table of transmitting frequencies in the
VHF maritime mobile band

**Canada, [Uruguay (Eastern Republic of)]**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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)

**MOD DIAP/2/10**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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**

The World Radiocommunication Conference (Geneva, 2015),

*resolves*

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.526-12,

**Reason:** These ITU-R Recommendations have been revised and approved since the last conference or since the last publication of the Radio Regulations. The corresponding provisions are modified in accordance with Resolution **28 (Rev.WRC-03).**

**Attachment 2**

**Provisions or footnotes containing references to ITU-R Recommendations which require revision to clarify or remove any ambiguity as to their status of reference**

ARTICLE 5

Frequency allocations

**Section IV – Table of Frequency Allocations**

**MOD DIAP/2/11**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

**5.530A** Unless otherwise agreed between the administrations concerned, any station in the fixed or mobile services of an administration shall not produce a power flux-density in excess of −120.4 dB(W/(m2 · MHz)) at 3 m above the ground of any point of the territory of any other administration in Regions 1 and 3 for more than 20% of the time. In conducting the calculations, administrations should use the most recent version of Recommendation ITU-R P.452 (see also the most recent version of Recommendation ITU-R BO.1898). (WRC-15)

**Reasons:** While Recommendation ITU-R P.452 is not incorporated by reference, it appears the same intention is for Recommendation ITU-R BO.1898. Also, use of the word “see” could cause some ambiguity in the status of its reference. It is proposed to modify the linking language to clarify its status in accordance with Annex 2 to Resolution **27**.

**MOD DIAP/2/12**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

5.543A In Bhutan, Cameroon, Korea (Rep. of), the Russian Federation, India, Indonesia, Iran (Islamic Republic of), Iraq, Japan, Kazakhstan, Malaysia, Maldives, Mongolia, Myanmar, Uzbekistan, Pakistan, the Philippines, Kyrgyzstan, the Dem. People’s Rep. of Korea, Sudan, 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 the most recent version of 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‑12)**.    (WRC‑15)

**Reasons:** Recommendation ITU-R RA.769 is not considered to be incorporated by reference. It is proposed to modify the linking language to clarify its status of reference in accordance with Annex 2 to Resolution **27**.

ARTICLE 16

**International monitoring**

**MOD DIAP/2/13**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

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 23‑2 and the most recent version of 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‑15)

**Reasons:** Recommendation ITU-R SM.1139 is not considered to be incorporated by reference. It is proposed to modify the linking language to clarify its status of reference in accordance with Annex 2 to Resolution **27**. Furthermore, Resolution ITU-R 23-2 was adopted by RA-12.

ARTICLE 19

**Identification of stations**

**MOD DIAP/2/14**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

**19.108A** §41 The maritime identification digits M1I2D3 are an integral part of the maritime mobile service identity and denote, in principle, the administration responsible for the station so identified. In some cases, M1I2D3 may denote a geographical area under the responsibility of a specific administration. Furthermore, as indicated in the most recent version of Recommendation ITU-R M.585, some maritime identification digits are reserved for maritime devices and do not correspond either to an administration or to a geographical area. (WRC-15)

**Reasons:** Recommendation ITU-R M.585 is not considered to be incorporated by reference. It is proposed to modify the linking language to clarify its status of reference in accordance with Annex 2 to Resolution **27**.

ARTICLE 52

**Special rules relating to the use of frequencies**

**MOD DIAP/2/15**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

**52.264** The class of emissions to be used for data transmissions in this section should be in accordance with the most recent version of Recommendation ITU-R M.1798. Coast stations as well as ship stations should use radio systems specified in the most recent version of Recommendation ITU-R M.1798. (WRC-15)

**Reasons:** Recommendation ITU-R M.1798 is not incorporated by reference. It is proposed to modify the linking language in accordance with Annex 2 to Resolution **27**.

APPENDIX 5 (Rev.WRC‑12)

**Identification of administrations with which coordination is to be effected or
agreement sought under the provisions of Article 9**

**MOD DIAP/2/16**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

ANNEX 1

**1 Coordination thresholds for sharing between MSS (space-to-Earth) and terrestrial services in the same frequency bands and between non‑GSO MSS feeder links (space-to-Earth) and terrestrial services in the same frequency bands and between RDSS (space-to-Earth) and terrestrial services in the same frequency bands**(WRC-15)

## 1.2 Between 1 and 3 GHz

###

### 1.2.1 Objectives

Generally, pfd thresholds were used to determine the need for coordination between space stations of the MSS (space-to-Earth) and terrestrial services and for coordination between space stations of the RDSS (space-to-Earth) and terrestrial services. However, to facilitate sharing between digital fixed service stations and non-GSO MSS space stations, the concept of fractional degradation in performance (FDP) was adopted. This concept involves new methods described in this Annex.

As a consequence of this new concept, the need for coordination between space stations of the MSS (space-to-Earth) and terrestrial services is determined using two methods:

– simple method: FDP (simple definition of the MSS system and characteristics of reference FS stations are used in inputs) or power flux-density trigger value;

– more detailed method: system specific methodology (SSM) (specific characteristics of the MSS system and characteristics of reference fixed service stations are used in inputs) as described, for example, in Annex 1 to the most recent version of Recommendation ITU‑R M.1143.

If one of the two methods gives a result that does not exceed the criteria relevant to each method, there is no need for coordination.

If only one method is available in an administration, the result of this method must be taken into account.    (WRC‑15)

#### 1.2.3.2 A system specific methodology (SSM) to be used in determining the need for detailed coordination of non‑GSO MSS (space-to-Earth) systems with fixed service systems

The purpose of the SSM is to allow a detailed assessment of the need to coordinate frequency assignments to non-GSO MSS space stations (space-to-Earth) with frequency assignments to receiving stations in a fixed service network of a potentially affected administration. The SSM takes into account specific characteristics of the non-GSO MSS system and reference fixed service characteristics.

Those administrations planning to establish the need for coordination between non-GSO MSS networks and fixed service systems are encouraged to use the most recent version of Recommendation ITU‑R M.1143. While urgent additional development work is being undertaken in the ITU‑R to facilitate the use of the methodology described in the most recent version of Recommendation ITU‑R M.1143, administrations may be able to effect coordination by applying this SSM.    (WRC‑15)

**Reasons:** Recommendation ITU-R M.1143 is not incorporated by reference. It is proposed to modify the linking language in accordance with Annex 2 to Resolution **27**.

APPENDIX 7 (REV.WRC‑12)

**Methods for the determination of the coordination area around an earth
station in frequency bands between 100 MHz and 105 GHz**

**MOD DIAP/2/17**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

ANNEX 4

Antenna gain toward the horizon for an earth station operating with
non‑geostationary space stations (WRC-15)

This Annex presents methods which may be used to determine the antenna gain towards the horizon for an earth station operating to non-geostationary satellites using the TIG method described in § 2.2 of the main body of this Appendix.

# Determination of the horizon antenna gain

…

Further information and an example of this method may be found in the most recent version of Recommendation ITU-R SM.1448. (WRC-15)

**MOD DIAP/2/18**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

ANNEX 5

**Determination of the coordination area for a transmitting earth station
with respect to receiving earth stations operating with
geostationary space stations in bidirectionally
allocated frequency bands** (WRC-15)

**2 Determination of the bidirectional coordination contour for propagation mode (1)**

## 2.1 Calculation of horizon gain for unknown receiving earth stations operating with geostationary space stations

Further information and an example may be found in the most recent version of Recommendation ITU‑R SM.1448. (WRC-15)

**MOD DIAP/2/19**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

ANNEX 6

**Supplementary and auxiliary contours** (WRC-15)

**4 Determination of a supplementary contour using the time-variant gain (TVG) method**

Further information, including examples, may be found in the most recent version of Recommendation ITU-R SM.1448. (WRC-15)

**Reasons:** Recommendation ITU-R SM.1448 is not incorporated by reference. It is proposed to modify the linking language in accordance with Annex 2 to Resolution **27**.

APPENDIX 17 (Rev.WRC-12)

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

ANNEX 2 (WRC-12)

**Frequency and channelling arrangements in the high-frequency bands**

**for the maritime mobile service, which**

**enter into force on 1 January 2017** (WRC-12)

**MOD DIAP/2/20**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

**PART A – Table of subdivided bands** (WRC-15)

**Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service**

**MOD DIAP/2/21**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

*p)* These sub-bands, except the frequencies referred to in Notes *i), j)*, *n)* and *o)*, are designated for digitally modulated emissions in the maritime mobile service (e.g. as described in the most recent version of Recommendation ITU-R M.1798). The provisions of No. **15.8** apply.

**MOD DIAP/2/22**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

*t)* The frequency bands 4 065-4 146 kHz, 4 351-4 438 kHz, 6 200-6 224 kHz, 6 501-6 525 kHz, 8 195-8 294 kHz, 8 707-8 815 kHz, 12 230-12 353 kHz, 13 077-13 200 kHz, 16 360-16 528 kHz, 17 242-17 410 kHz, 18 780-18 825 kHz, 19 755-19 800 kHz, 22 000-22 159 kHz, 22 696-22 855 kHz, 25 070-25 100 kHz and 26 145-26 175 kHz may be used, in accordance with the Appendix **25** allotment Plan, for digitally modulated emissions as described in the most recent version of Recommendation ITU-R M.1798 on the condition that it shall not cause harmful interference to, or claim protection from other stations in the maritime mobile service using radiotelephony operations. The digitally modulated emissions may be used provided that their occupied bandwidth does not exceed 2 800 Hz, it is situated wholly within one frequency channel and the peak envelope power of coast stations does not exceed 10 kW and the peak envelope power of ship stations does not exceed 1.5 kW per channel.

**MOD DIAP/2/23**

**Support:**

**Canada, [Uruguay (Eastern Republic of)]**

[Antigua and Barbuda], [Argentine Republic], [Bahamas (Commonwealth of the)], [Barbados], [Belize], [Bolivia (Plurinational State of)], [Brazil (Federative Republic of)], [Chile], [Colombia (Republic of)], [Costa Rica], [Dominica (Commonwealth of)], [Dominican Republic], [Ecuador], [El Salvador (Republic of)], [United States of America], [Grenada], [Guatemala (Republic of)], [Guyana], [Haiti (Republic of)], [Honduras (Republic of)], [Jamaica], [Mexico], [Nicaragua], [Panama (Republic of)], [Paraguay (Republic of)], [Peru], [Saint Lucia], [Saint Vincent and the Grenadines], [Saint Kitts and Nevis (Federation of)], [Suriname (Republic of)], [Trinidad and Tobago], [Venezuela (Bolivarian Republic of)]

*v)* The frequency bands 4 146-4 152 kHz, 6 224-6 233 kHz, 8 294-8 300 kHz, 12 353-12 368 kHz, 16 528-16 549 kHz, 18 825-18 846 kHz, 22 159-22 180 and 25 100-25 121 kHz may be used for simplex digitally modulated emissions as described in the most recent version of Recommendation ITU-R M.1798 on condition that it shall not cause harmful interference to, or claim protection from other stations in the maritime mobile service using radiotelephony operations. The digitally modulated emissions may be used provided that their occupied bandwidth does not exceed 2 800 Hz, it is situated wholly within one frequency channel and the peak envelope power of coast stations does not exceed 10 kW and the peak envelope power of ship stations does not exceed 1.5 kW per channel.

**Reasons:** Recommendation ITU-R M.1798 is not incorporated by reference. It is proposed to modify the linking language in accordance with Annex 2 to Resolution **27**.

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