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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 4 to Document 25(Add.1)-E** |
|  | **10 September 2015** |
|  | **Original: Arabic** |
|  | |
| Arab States Common Proposals | |
| Proposals for the work of the conference | |
|  | |
| Agenda item 1.1 | |

1.1 to consider additional spectrum allocations to the mobile service on a primary basis and identification of additional frequency bands for International Mobile Telecommunications (IMT) and related regulatory provisions, to facilitate the development of terrestrial mobile broadband applications, in accordance with Resolution **233 (WRC‑12)**;

Introduction

Resolution 233 (WRC-12) called for studies to be conducted on frequency-related matters on IMT and other terrestrial mobile broadband applications, given that mobile telecommunications, including mobile broadband telecommunications, make a positive contribution to the economic and social development of the developed and the developing countries. Many administrations are carefully studying a large range of applications and systems to close the digital gap using, *inter alia*, IMT and other terrestrial mobile broadband applications.

Studies have been conducted on future spectrum needs and potential IMT candidate bands, as well as on other terrestrial mobile broadband applications. Administrations have proposed, pursuant to paragraph 2 of *resolves to invite ITU‑R* of Resolution 233 (WRC‑12), studying the following frequency bands: 470-694/698 MHz, 1 300-1 525 MHz, 1 695-1 710 MHz, 2 025-2 110 MHz, 2 200-2 290 MHz, 2 700-2 900 MHz, 2 900-3 100 MHz, 3 300-3 400 MHz, 3 400-3 600 MHz, 3 600-4 200 MHz, 4 400-4 900 MHz, 4 800-5 000 MHz, 5 350-5 470 MHz, 5 725-5 850 MHz and 5 925-6 425 MHz.

Based on studies concerning sharing and compatibility with services already having allocations in the potential candidate bands and in adjacent bands and taking into account the current and planned use of these bands by the existing services, as well as providing them with the necessary protection, the Arab States administrations propose modification of the Radio Regulations for the 1 452‑1 492 MHz band, given that this band is actually allocated worldwide to the mobile service and provides a good opportunity to consolidate the IMT frequency spectrum worldwide. Accordingly, these administrations propose identifying the band to IMT by adding a new footnote to the Table of Frequency Allocations.

In order to facilitate coexistence between IMT and the broadcasting satellite service (BSS) in the band 1 452-1 492 MHz, the Arab States administrations also propose modifying the current regulatory procedures governing the relation between the BSS and terrestrial services by inserting a pfd value of [−113 dBW/m2/MHz] in RR Article 21 with the view to providing a more stable (long‑term stability) situation to IMT.

These administrations also propose modifying RR Appendix 5 to enable countries wishing to continue to apply the coordination procedure under RR No. 9.11 to do so. Therefore a pfd limit will apply to the BSS with respect to all terrestrial services except for countries wishing to continue to apply RR No. 9.11, because of more stringent protection requirements (e.g. in order to protect telemetry systems).

Proposals

ARTICLE 5

Frequency allocations

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

MOD ARB/25A1A4/1

1 300-1 525 MHz

|  |  |  |  |
| --- | --- | --- | --- |
| Allocation to services | | | |
| Region 1 | Region 2 | | Region 3 |
| 1 452-1 492  FIXED  MOBILE except aeronautical mobile ADD 5.A11  BROADCASTING  BROADCASTING-SATELLITE 5.208B  5.341 5.342 5.345 | | 1 452-1 492  FIXED  MOBILE 5.343  BROADCASTING  BROADCASTING-SATELLITE 5.208B  5.341 5.344 5.345 | |

ADD ARB/25A1A4/2

5.A11[In Regions/country names], the frequency band 1 452‑1 492 MHz is identified for use by administrations wishing to implement 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.     (WRC‑15)

**Reasons:** To designate the frequency band 1 452‑1 492 MHz for IMT.

ARTICLE 21

Terrestrial and space services sharing frequency bands above 1 GHz

Section V − Limits of power flux-density from space stations

MOD ARB/25A1A4/3

TABLE **21-4**     (Rev.WRC‑15)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Frequency band | Service\* | Limit in dB(W/m2) for angles of arrival (δ) above the horizontal plane | | | Reference bandwidth |
| 0°-5° | 5°-25° | 25°-90° |
| 1 452-1 492 MHzADD 6*bis* | Broadcasting-satellite | [−113] | [−113] | [−113] | 1 MHz |

ADD ARB/25A1A4/4

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6*bis* 21.16.1A These limits do not apply over the territory of *[list of countries]*.

**Reasons:** To protect receiver terminals of the MS, including IMT, in the frequency band 1 452-1 492 MHz, with a view to providing a more stable (long-term) situation to IMT.

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 ARB/25A1A4/5

TABLE 5-1     (Rev.WRC‑15)

Technical conditions for coordination

(see Article 9)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Reference of Article 9 | Case | Frequency bands  (and Region) of the service  for which coordination  is sought | Threshold/condition | Calculation  method | Remarks |
| No. **9.11** GSO, non-GSO/ terrestrial | A space station in the BSS in any band shared on an equal primary basis with terrestrial services and where the BSS is not subject to a Plan, in respect of terrestrial services | 620-790 MHz (see Resolution **549 (WRC‑07)**) 1 452-1 492 MHz (only over the territory of countries listed in **21.16.1A**) 2 310-2 360 MHz (No. **5.393**) 2 535-2 655 MHz (Nos. **5.417A** and **5.418**) 17.7-17.8 GHz (Region 2)  74-76 GHz | Bandwidths overlap: The detailed conditions for the application of No. **9.11** in the bands 2 630-2 655 MHz and 2 605-2 630 MHz are provided in Resolution **539 (Rev.WRC‑03)** for non-GSO BSS (sound) systems pursuant to Nos. **5.417A** and **5.418**, and in Nos. **5.417A** and **5.418** for GSO BSS (sound) networks pursuant to those provisions. | Check by using the assigned frequencies and bandwidths |  |

**Reasons:** To enable countries wishing to continue to apply the coordination procedure under RR No. 9.11 to do so.

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