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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
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| PLENARY MEETING | **Addendum 1 to Document 60-E** |
|  | **14 October 2015** |
|  | **Original: Arabic** |
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| Qatar (State of) | |
| PROPOSALS for the work of the CONFERENCE | |
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| 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 the results of studies on 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 amending the Radio Regulations concerning the 3 400-3 600 MHz band.

It is to be noted that the frequency range 3 400-3 600 MHz, or parts thereof, is allocated to the FS, FSS, ARS, MS and RLS. The frequency band 3 400-3 600 MHz is allocated to the MS on a secondary basis and identified in footnote No. 5.430A for IMT for the countries indicated in this footnote. In order to benefit from global coordination of IMT systems, the signatory parties propose allocating the 3 400-3 600 MHz frequency band to MS, except aeronautical mobile, on a primary basis and to identify the band for IMT worldwide.

Accordingly, the signatory parties support the allocation of the frequency band to MS on a primary basis in the Table of Frequency Allocations, without application of No. 9.21 of the Radio Regulations and without setting power flux-density limits in relation to MS to protect FSS in neighbouring countries. Coordination shall continue in accordance with Nos. 9.17 and 9.18of the Radio Regulations and the current power flux-density limits in relation to FSS stated in Table 21-4 of the Radio Regulations (2012 edition) shall continue to be applied.

Consequently, the signatory parties propose amending footnote No. 5.430A concerning the identification for IMT, without imposing additional requirements. The conditions applied to the MS in the same frequency band shall be applied to IMT.

Proposals

Allocate the frequency band to the MS on a primary basis either in the Table of Frequency Allocations or in a new footnote, together with technical and regulatory conditions in a footnote/Resolution including the application of RR Nos. 9.17, 9.18 and 9.21 and RR Table 21-4 pfd limits for the FSS and pfd limits for the MS, with protection for the development of the FSS in other countries in the future.

ARTICLE 5

Frequency allocations

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

MOD QAT/60A1/1

2 700-4 800 MHz

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

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5.430A The 3 400-3 600 MHz band is allocated to MS, except aeronautical mobile, on a primary basis, subject to the approval of the other administrations, pursuant to No.**9.21**. This band 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. The provisions of Nos. **9.17** and **9.18** shall also apply in the coordination phase. 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/(m2 ⋅ 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) and with the assistance of the Bureau if so requested. In case of disagreement, 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 3 400-3 600 MHz band shall not claim more protection from space stations than that provided in Table **21‑4** of the Radio Regulations (2012). This allocation shall come into force with effect from ………………...    (WRC‑15)

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