|  |  |
| --- | --- |
| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| PLENARY MEETING | **Revision 2 to Document 40-E** |
|  | **10 September 2015** |
|  | **Original: Arabic** |
|  | |
| Egypt (Arab Republic of)/Jordan (Hashemite Kingdom of)/ Lebanon/Morocco (Kingdom of) | |
| 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)**;

# 694/8‑470 MHz frequency band

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.

On the basis of the sharing studies on the band 694-790 MHz under the item 1.2, to enable sharing between the MS and broadcasting service on a primary basis, the parties signatory to this document propose amending the Radio Regulations for the band 470-694 MHz, given that this band is already allocated to the MS in Regions 2 and 3 and its allocation to the MS in Region 1 would allow to harmonize frequency spectrum use for IMT in all Regions. Accordingly, the signatory parties propose allocating and identifying the band for IMT by adding a new footnote to the Table of Frequency Allocations.

Proposals

The signatory parties support allocating the 470-694 MHz band in Region 1 for the MS on a primary basis and identifying the band 470-694 MHz for IMT. Accordingly, the signatory parties propose conducting the regulatory amendments as shown in the following proposals.

ARTICLE 5

Frequency allocations

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

MOD EGY/JOR/LBN/MRC/40/1

460-890 MHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 470-694  BROADCASTING  ADD 5.A11  ADD 5.E11  5.149 5.291A 5.294 5.296  5.300 5.304 5.306 5.311A 5.312 5.312A | 470-512  BROADCASTING  Fixed  Mobile  5.292 5.293 | 470-585  FIXED  MOBILE  BROADCASTING  5.291 5.298 |
| 512-608  BROADCASTING  5.297 |
| 585-610  FIXED  MOBILE  BROADCASTING  RADIONAVIGATION  5.149 5.305 5.306 5.307 |
| 608-614  RADIO ASTRONOMY  Mobile-satellite except aeronautical mobile-satellite (Earth-to-space) |
| 610-890  FIXED  MOBILE 5.313A 5.317A  BROADCASTING |
| 614-698  BROADCASTING  Fixed  Mobile  5.293 5.309 5.311A |
| ... |

ADD EGY/JOR/LBN/MRC/40/2

5.A11 *Additional allocation:* In [country names] the 470-694 MHz band in Region 1 is allocated on a primary basis to the mobile, except aeronautical mobile, service.     (WRC-15)

ADD EGY/JOR/LBN/MRC/40/3

5.E11 The operation of stations in the mobile service for the implementation of International Mobile Telecommunications (IMT) in the frequency band 470-694 MHz in Region 1 shall be subject to GE06 Agreement with respect to the protection of the broadcasting service, while the implementation of IMT in the frequency band 470-694 MHz in Region 1 with respect to the protection of other services in 470-608 MHz and 614-698 MHz in Region 2, and in 470-698 MHz in Region 3 shall be subject to agreement obtained under No. **9.21**.     (WRC‑15)

**Reasons:**

a) To support allocation of the band 470-694 MHz for the MS, with the proviso that it be identified for IMT, taking into account the results of the studies on the band 694-790 MHz under item 1.2 to enable sharing between the MS and broadcasting service on a primary basis, noting;

b) This allocation for the MS does not result in compulsory use for the MS but provides greater flexibility for administrations and allows to avoid delayed use of this band for the MS;

c) Given that this band is already allocated to the MS in Regions 2 and 3, its allocation to the MS in Region 1 would allow to harmonize frequency spectrum use for IMT in all three Regions;

d) Modern television technologies (such as SFN, MPEG-4 and DVBT-2) will provide many frequencies within the band 470-694 MHz and make it possible to broadcast many TV programme channels in the same analogue channel bandwidth (8 MHz);

e) RRC-06 did not prohibit the allocation of additional spectrum for broadband MS;

f) IMT services support the provision of broadcasting services on mobile telephone networks;

g) If the maximum values of the capacity used to coordinate broadcasting channels are not exceeded, it will be possible to use the frequency band allocated to the TV channel with a bandwidth of 8 MHz to provide any other services;

h) The GE06 plan for the allocation of TV channels is adequate to protect TV frequencies which will be used within the band 470-694 MHz;

i) To support the identification of the band 470-694 MHz for IMT systems because it will provide appropriate coverage and adequate bandwidth to provide broadband internet services, particularly in countries that lack a solid broadband infrastructure.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_