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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 9-E** |
|  | **24 June 2015** |
|  | **Original: English** |
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| European Common Proposals | |
| 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) calls for studies on additional spectrum requirements for International Mobile Communications (IMT) and potential candidate frequency bands.

The studies on spectrum requirements should take into account technical and operational characteristics of IMT systems and the bands currently identified for IMT, the technical conditions of their use and the possibility of optimizing the use of these bands with a view to increasing spectrum efficiency. The studies should also take into account the evolving needs, including user demand for IMT and other terrestrial mobile broadband applications and the time-frame in which spectrum would be needed.

The study on potential candidate frequency bands should take into account sharing and compatibility studies with services already having allocations in the potential candidate bands and in adjacent bands, as appropriate as well as the current and planned use of these bands by the existing services, as well as the applicable studies already performed in ITU-R.

Spectrum harmonization

Global spectrum harmonization leads to lower prices for the equipment thus increasing the adoption of the technology and having a direct and indirect impact on the economic growth. This growth consists of enhancement of productivity, job creation, entrepreneurship, infrastructure investment, taxation; all leading to GDP growth.

Globally harmonized spectrum bands and band plans will lead to following benefits:

– provide economies of scale;

– allow consumer wider choice of service providers and brands of devices;

– avoid fragmented markets;

– decrease potential for radio interference within land mobile services;

– facilitate global roaming;

– maximize the total economic value.

Summary of European proposals on the frequency bands:

These European proposals support the frequency band 1 427-1 518 MHz for identification for IMT and allocation of the frequency band 3 400-3 800 MHz to the mobile service on a primary basis in the Table of Frequency Allocations of Article 5 and identification for IMT, as appropriate.

These European proposals do not support the frequency bands 470-694 MHz, 1 300-1 350 MHz[[1]](#footnote-1)\*, 1 350-1 400 MHz, 1 518-1 525 MHz, 1 695-1 710 MHz, 2 025-2 110 MHz\*, 2 200-2 290 MHz\*, 2 900-3 100 MHz\*, 3 300-3 400 MHz, 3 800-4 200 MHz, 4 400-5 000 MHz, 5 350-5 470 MHz, 5 725-5 850 MHz and 5 925-6 425 MHz for allocation to the mobile service on a primary basis in the table of frequency allocation of Article 5 and identification for IMT, as appropriate.

The European proposals summarized above are divided into the following addenda:

**Addendum 1** Proposals related to the frequency band 1 427-1 518 MHz

**Addendum 2** Proposals related to the frequency band 3 400-3 800 MHz

**Addendum 3** Proposals related to the frequency band 470-694 MHz

**Addendum 4** Proposals related to the frequency bands 1 300-1 350 MHz, 1 350-1 400 MHz, 1 518-1 525 MHz, 1 695-1 710 MHz, 2 025-2 110 MHz, 2 200-2 290 MHz, 2 900‑3 100 MHz, 3 300-3 400 MHz, 4 500-4 800 MHz, 5 350-5 470 MHz, 5 725-5 850 MHz;

**Addendum 5** Proposals related to the frequency band 3 800-4 200 MHz

**Addendum 6** Proposals related to the frequency bands 4 400-4 500 MHz, 4 800-5 000 MHz, 5 925-6 425 MHz

**Addendum 7** Proposals related to the frequency band 2 700-2 900 MHz.

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1. \* These bands are not considered as candidate bands under agenda item 1.1 in the CPM Report. [↑](#footnote-ref-1)