|  |  |
| --- | --- |
| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
| **INTERNATIONAL TELECOMMUNICATION UNION** |  |
|  |  |
| **PLENARY MEETING** | **Addendum 3 to Document 9(Add.1)-E** |
|  | **24 June 2015** |
|  | **Original: English** |
|  | |
| European Common Proposals (CEPT) | |
| 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)**;

European Proposals on no change for allocations to services in Article 5

470-694 MHz

Introduction

The frequency range 470-694 MHz is allocated to the broadcasting service on a primary basis in Region 1. There are also additional footnote allocations to various services in different countries, including allocations to the mobile service in some of them. In particular, according to No. 5.312, in some countries of Region 1 the band 645-694 MHz is allocated to the aeronautical radionavigation service on a primary basis. Since the aforementioned allocation is subject to the provisions of 4.10, coexistence of IMT systems with the aeronautical radionavigation stations will be difficult.

Sharing and compatibility in this band between IMT systems and broadcasting is very difficult. ITU-R JTG 5-6 studies, in the previous study period, have shown the need for separation distances between broadcasting and IMT stations of around 300 km or higher. Recent studies within Europe confirmed these results.

Therefore Europe does not support an allocation to the mobile service and identification for IMT in this frequency band.

ARTICLE 5

Frequency allocations

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

NOC EUR/9A1A3/1

460-890 MHz

|  |  |  |
| --- | --- | --- |
| Allocation to services | | |
| Region 1 | Region 2 | Region 3 |
| 470-790  BROADCASTING  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 |
| ... |
| ... |  | 5.149 5.305 5.306 5.307 5.311A 5.320 |

**Reasons:** The band 470-694 MHz is used extensively by the terrestrial broadcasting systems for the provision of television content and for SAB/SAP in many European countries. It is generally the only TV platform delivering free-to-air TV programmes to citizens. In addition the broadcasting service is currently in the process of transition from SD to HD broadcasting delivery. Allocation of additional spectrum within this band for the mobile service on a primary basis may constrain future development of the broadcasting service.

Significant separation distances would be required between IMT systems and the broadcasting, which make sharing the same band between these services unviable.

Note: This proposal for no change to 470-694 MHz should be viewed together with the proposals to amend the 694-790 MHz band under WRC-15 agenda item 1.2.

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