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| **World Radiocommunication Conference (WRC-15) Geneva, 2–27 November 2015** |  |
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| COMMITTEE 6 | **Document 283-E** |
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| Proposals for the work of the conference | |
| CONSIDERATIONS ON IMT IDENTIFICATION IN THE FREQUENCY BAND  5 925-6 425 MHz | |
| Agenda item 10 | |

10to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention,

Introduction

WRC-15 agenda item 1.1 deals with identification of the frequency bands below 6 GHz for IMT. The intent of this proposal under WRC-15 agenda item 10 is to ensure that sufficient spectrum is available to meet the market requirements.

Discussion

We believe that some of the proposed but excluded frequency ranges under agenda item 1.1 are also worth to be studied for the next conference. This could support the increasing data demand in the mobile networks and it is recommended to study also the frequency bands above 6 GHz for the identification for IMT system.

IMT above 6 GHz

The frequency band 5 925-6 425 MHz is already allocated to the mobile service on a primary basis globally. This band is also allocated to Fixed services and Fixed-satellite service (Earth-to-space) on a primary basis. Considering compatibility and sharing between mobile service and fixed service it is expected that for the IMT-Advanced mobile networks, in order to sustain backbone, Point-to-Point links will be eventually substituted by fibre networks. Furthermore if the number of P-P links will increase it would be more reasonable to use higher frequency bands with larger capacities. The most difficult shared use of this spectrum is the case of sharing and compatibility between IMT and fixed-satellite space stations. However, to facilitate sharing with this service, the studies conducted by the JTG 4-5-6-7, as reflected in Report S.2367, could be used as basis for further investigation.

Proposals

We are of the view that there is a need to study also the frequency band 5 925-6 425 MHz for the identification for IMT for the next WRC and investigate possible sharing and compatibility issues in the next study cycle.

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