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| **PLENARY MEETING** | **Document RA19/PLEN/24-E** |
| **30 September 2019** |
| **Original: English** |
| Japan | |
| Proposals on the Draft Revision of Recommendation ITU-R M.1036-5 | |
| Frequency arrangements for implementation of the terrestrial component  of International Mobile Telecommunications (IMT) in the bands  identified for IMT in the Radio Regulations (RR) | |
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# 1 Introduction

The draft revision of Recommendation ITU-R M.1036-5 submitted by Study Group (SG) 5 to Radiocommunication Assembly 2019 (RA-19) contains three open issues that need to be further resolved. This contribution provides our views on how to address these issues at RA-19.

# 2 Discussion

## 2.1 Treatment of Attachment 1 to Annex and text regarding the use of IMT systems in the frequency bands not identified for IMT

In the draft revision of Recommendation, the *recommends* part is proposed to be revised as follows:

– that the frequency arrangements and implementations aspects contained in the Annex should be considered for the deployment of IMT in the bands identified for IMT in the Radio Regulations (RR).

Taking into account the description of this *recommends* part, Japan believes that the contents in Attachment 1 are useful information which should be included in this Recommendation for ease of reference. Therefore, Japan supports using the terminology “Attachment” for these contents, which is also in accordance with the format of ITU-R Recommendations[[1]](#footnote-1).

As for the text regarding the use of IMT systems in the frequency bands not identified for IMT, Japan supports retaining such a text in the Recommendation. Taking into account the contributions, discussion and views expressed at the SG 5 meeting in September 2019, Japan proposes to put this text in the *noting* part. Japan believes that it is not necessary to present this text together with the information on the frequency bands identified for IMT in the RR.

## 2.2 Treatment of Section 4 Frequency arrangements in the band 1 427-1 518 MHz

Japan supports View #1 with respect to the treatment of Section 4. If additional information is available concerning adjacent band compatibility between IMT in the frequency band 1 492-1 518 MHz and the MSS in the frequency band 1 518-1 525 MHz in the next study cycle, such information could be referred to when revising this Recommendation in that cycle.

## 2.3 Note 5 under Section 5 Frequency arrangements in the band 1 710-2 200 MHz

The third issue remained unresolved is the last sentence of Note 5 under Section 5, which is put in square brackets. Japan believes that this last sentence should be deleted.

Firstly, the scope of Recommendation ITU-R M.1036 is only the guidance on the selection of frequency arrangements for terrestrial component of IMT. This has been established for a long time. Therefore, Recommendation ITU-R M.1036 is not the right place to describe the status of ITU-R sharing/co-existence studies.

In addition, the “Further studies” referred to in Note 5 are highly related to the studies referred to in *invites ITU-R* of Resolution **212 (Rev.WRC-15)**. This Resolution will be reviewed at WRC-19 under agenda item 9.1, issue 9.1.1, including potential suppression of the parts directly related to this “*invites ITU-R*”. Japan is of the view that keeping the last sentence in Note 5 may lead to unintended consequence on the WRC-19 discussion/decision on agenda item 9.1, issue 9.1.1. Furthermore, based on the discussion/decision at WRC-19, these ITU-R studies referred to in Note 5 may not be continued in the next study cycle.

Considering these aspects, the best approach is to delete this last sentence in Note 5, which is in line with the scope of this Recommendation as described in the above reasons.

# 3 Proposals

Based on the discussion in Section 2 above, the Attachment to this contribution provides proposed text from Japan (highlighted in turquoise) to address the open issues in the draft revision of Recommendation ITU-R M.1036-5.

Attachment

Source: Document 5/1009 (only relevant parts are extracted)

DRAFT REVISION OF RECOMMENDATION ITU-R M.1036-5

Frequency arrangements for implementation of the terrestrial component   
of International Mobile Telecommunications (IMT) in the bands   
identified for IMT in the Radio Regulations (RR)

(Question ITU-R 229-2/5)

(1994-1999-2003-2007-2012-2015)

…

noting

*a)* that Attachments 2 through 3 to the Annex provide information on specific vocabulary and terms utilized in this Recommendation and a listing of related Recommendations and Reports;

*b)* that IMT systems are also deployed by some administrations in frequency bands allocated to the mobile service other than those identified for IMT in RR for those countries or regions;

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SECTION 4

Frequency arrangements in the band 1 427-1 518 MHz

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NOTE 1 – With respect to IMT in the frequency band 1 492-1 518 MHz and the MSS in the frequency band 1 518-1 525 MHz, ITU-R studies were conducted in accordance with Resolution **223 (Rev.WRC-15**) and provide possible technical measures to facilitate adjacent band compatibility. Frequency arrangements in this band take into account the results of these studies.

Based on these studies, administrations may consider additional frequency separation below 1 518 MHz at the upper part of G1, G2, or G3 (e.g. a total separation of 0 MHz to 6 MHz). This is one of a number of possible measures to facilitate adjacent band compatibility. Some other possible measures are for further study.

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SECTION 5

Frequency arrangements in the band 1 710-2 200 MHz[[2]](#footnote-2)2

…

NOTE 5 − A unique situation exists for the frequency arrangements B6 and B7 and parts of arrangements B3 and B5 in the bands 1 980-2 010 MHz and 2 170-2 200 MHz, which have been identified for the terrestrial component of IMT and the satellite component of IMT as outlined in *recognizing d).* Co‑coverage, co-frequency deployment of independent satellite and terrestrial IMT components is not feasible unless appropriate mitigation techniques are applied. When these components are deployed in adjacent geographical areas in the same frequency bands, technical or operational measures need to be implemented if harmful interference is reported.

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Attachment 1

For ease of reference, frequency bands and associated footnotes identifying the band for IMT in the following Table are extracted from the edition 2016 of the RR, Article **5**. The use of any IMT frequency arrangements should take into account the relevant technical and regulatory conditions in the RR.

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1. <https://www.itu.int/oth/R0A0E000097> [↑](#footnote-ref-1)
2. 2 The 2 025-2 110 MHz band is not part of the frequency arrangements. [↑](#footnote-ref-2)