

# **Working Party 4A**

**Efficient orbit/spectrum  
utilization for FSS and BSS**

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**17-27 October 2017**

# WG4A Plenary

## Item 7

พิจารณาความเป็นไปได้ในการปรับปรุงตาม Resolution 86 ของที่ประชุมใหญ่ (PP) ปี 2002 สำหรับกระบวนการ Advance Publication, Coordination, Notification and Recording ของการจัดสรรความถี่วิทยุสำหรับข่ายงาน ดาวเทียม ตาม Resolution 86 (Rev.WRC-07) เพื่อช่วยให้ สามารถใช้คลื่นความถี่วิทยุและวงโคจรร่วม รวมทั้งวงโคจร ประจำที่ (GSO) ได้อย่างมีประสิทธิภาพ ประหยัด และ สมเหตุสมผล

ศึกษาประเด็นที่เกี่ยวข้องกับข้อกำหนดอื่น ๆ



# Draft CPM Text

<b><u>Issue A</u></b>	<b>Bringing into use of frequency assignments to non-GSO satellite systems, and consideration of a milestone-based deployment approach for non-GSO FSS satellite systems in certain bands</b>
Method A	NOC
Method B	Establishment in the RR of a definition of BIU
Method C	NOC + establishment in certain FSS bands of milestone system

<b><u>Issue B</u></b>	<b>Application of coordination arc in the Ka-band, to determine coordination requirements between the FSS and other satellite services</b>
Method A	NOC
Method B	coordination arc with a value of 8 degrees as coordination criteria





# Draft CPM Text

<u>Issue C</u>	Issues for which consensus was achieved in ITU-R
C1	Ka-band coordination arc – FSS vs other services
<i>Method</i>	<i>MOD: Article 8 of RR Appendix 30B</i>
C2	Frequency bands submitted under AP30B Article 6
<i>Method</i>	<i>ADD: footnote to paragraph 6.1 of Article 6 of RR Appendix 30B</i>
C3	AP30B MOD to Article 6 No. 6.10
<i>Method</i>	<i>ADD: new provision in Article 6 of RR Appendix 30B</i>
C4	AP30/30A single AP4 notice for List and Notification
<i>Method</i>	<i>Additional text in 4.1.12bis</i>





# Draft CPM Text

<u>Issue C</u>	Issues for which consensus was achieved in ITU-R
C5	MOD to No. 11.46 and six month resubmission
<i>Method</i>	<i>MOD: RR No. 11.46</i>
C6	AP30B single AP4 notice for List and Notification
<i>Method</i>	<i>MOD: § 6.17 of Appendix 4</i>
C7	AP30B temporary agreements
<i>Method</i>	<i>ADD: new provision 6.15bis to Article 6 of RR Appendix 30B</i>



# Draft CPM Text

<b><u>Issue D</u></b>	<b>Identification of those specific satellite networks and systems with which coordination needs to be effected under RR Nos. 9.12, 9.12A and 9.13</b>
Method D1	NOC
Method D2	add the requirements including in the CR/C + CR/D special sections
Method D3	add the requirements of the list of satellite/system networks (CR/C)
<b><u>Issue E</u></b>	<b>Harmonization of RR Appendix 30B with RR Appendices 30 and 30A</b>
Method E	ADD: text in 6.15 <i>bis</i>
<b><u>Issue F</u></b>	<b>Concerns with the lack of implementation of certain provisions of the Radio Regulations that can lead to difficulties during the process of entering an assignment into the RR Appendix 30B List</b>
Method F	MOD: 1. Note to RR Appendix 4data item B.3.b.1 2. text in 2.6 <i>bis</i> a) + 2.6 <i>bis</i> b) of Article 2 of Appendix 30B

# Draft CPM Text

<b><u>Issue G</u></b>	<b>Updating the reference situation for Region 1 and 3 networks under RR Appendices 30 and 30A when provisionally recorded assignments are converted into definitive recorded assignments</b>
Method A	MOD: text in §4.1.18 of Appendices 30 and 30A
Method B	2 options are identified to offer adequate protection
Method C	NOC but provisions in § 4.1.18-4.1.20 should be improved
Method D	NOC

<b><u>Issue H</u></b>	<b>Modifications to RR Appendix 4 items to be provided for non-geostationary satellite systems not subject to the procedures of Section II of RR Article 9</b>
Method H	proposed to include the new items in RR Appendix 4 for APIs

# Draft CPM Text

## Issue I

**Additional RR Appendix 4 data items to be provided for non-geostationary satellite systems with multiple orbital planes**

## Method I

proposed to include the 2 new items in RR Appendix 4

## Issue J

**Modification of Section 1, Annex 1 of RR AP30, pfd limit**

## Method A

MOD: Section 1, Annex 1 of RR Appendix **30**

## Issue K

**Difficulties for Part B examinations under § 6.21 c) of RR Appendix 30B**

## Method A

ADD: text in 6.21 for more examination



# New Issue

<u>Issue</u>	<b>Simplified regulatory regime for non-GSO satellites with short duration missions</b>
Proposed	MOD: Annex 2 to RR Appendix 4 characteristics
<u>Issue</u>	<b>The development of a methodology to validate the minimum emission parameters contained within submissions of FSS satellite networks not subject to RR Appendix 30B</b>
Proposed	MOD: <i>Required C/I</i> characteristics



# Draft New Report (ITU-R)

<b><u>Issue</u></b>	<b>Regulatory provisions for the modification of notices relative to non-geostationary systems operating in the FSS, MSS and BSS above 10 GHz subject to Section II of Article 9 of the Radio Regulations</b>
Method	TBD

<b><u>Issue</u></b>	<b>Technical feasibility of NGSO-to-GSO satellite links</b>
Method	TBD