| **US Radiocommunication Sector**  **FACT SHEET** | | | |
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| **Study Group:** USWP 5B | | **Document No:** USWP5B-X | |
| **Reference:** WRC-23 AI 1.10 | | **Date:** 2 February, 2022 | |
| **Document Title:** Working document towards a draft CPM text to WRC-23 for agenda item 1.10 | | | |
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| **Purpose/Objective**:  Propose Working document towards a draft CPM text to WRC-23 for agenda item 1.10. | | | |
| **Abstract**:  This contribution seeks to provide methods to amend the Radio Regulations regarding agenda item 1.10. | | | |
| **Fact Sheet Preparer:** Ryan McDonough, NASA | | | |

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| **Radiocommunication Study Groups** |  |
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| Received: XX March 2021  Subject: WRC-23 agenda item 1.10 | **Document 5B/X** |
| **XX March 2022** |
| **English only** |
| United States of America | |
| proposed revisions to working document towards Draft CPM text to WRC-23 for agenda item 1.10 | |
|  | |

Introduction

This contribution provides in Attachment 1 some proposed revisions to the draft CPM text on  
 WRC-23 agenda item 1.10 based on the version contained in Annex 6 to Document [5B/225](https://www.itu.int/md/R19-WP5B-C-0225/en).

The proposed revisions below include example revisions to the RR in section 2/1.10/4 (Methods to satisfy the agenda item) and 2/1.10/5 (Regulatory and procedural considerations). The new elements are identified with tracked changes.

**Attachment:** 1

Attachment

CHAPTER 2

Aeronautical and maritime issues

(Agenda items 1.6, 1.7, 1.8, 1.9, 1.10 and 1.11)

Agenda item 1.10

(**WP 5B / WP 3K, WP 3M, WP 4A, WP 5A, WP 5C, WP 7C, WP 7D**)

*1.10 to conduct studies on spectrum needs, coexistence with radiocommunication services and regulatory measures for possible new allocations for the aeronautical mobile service for the use of non-safety aeronautical mobile applications, in accordance with Resolution* ***430 (WRC-19)****;*

Resolution **430 (WRC 19)** Studies on frequency-related matters, including possible additional allocations, for the possible introduction of new non-safety aeronautical mobile applications

2/1.10/1 Executive summary

*[Text of the executive summary, not more than half a page of text to describe briefly the purpose of the agenda item, summarize the results of the studies carried out and, most importantly, provide a brief description of the method(s) identified that may satisfy the agenda item. See also § A2.1 of Annex 2 to* [*Resolution ITU-R 2-8*](http://www.itu.int/pub/R-RES-R.2-8-2019)*.]*

2/1.102 Background

*[Text of the background, not more than half a page of text to provide general information in a concise manner, in order to describe the rationale of the agenda items (or issue(s)). See also § A2.2 of Annex 2 to* [*Resolution ITU-R 2-8*](http://www.itu.int/pub/R-RES-R.2-8-2019)*.]*

2/1.10/3 Summary and Analysis of the results of ITU-R studies

*[This section should contain a summary of the technical and operational studies performed within ITU-R, including a list of relevant ITU-R Recommendations. Depending on the agenda item, this section could be divided in two parts, one part dealing with the summary and the other part dealing with the analysis. The results of the ITU-R studies should also be analysed with respect to the possible methods of satisfying the agenda item, and presented in a concise manner.]*

## 2/1.10/3.1 Relevant ITU-R Recommendations and Reports

## 2/1.10/3.2 Results of the study of spectrum needs

## 2/1.10/3.3 Results of sharing and compatibility studies in the frequency band 22-22.1 GHz

### 2/1.10/3.3.1 Studies with the radiolocation service

#### 2/1.10/3.3.1.1 Sharing study A

#### 2/1.10/3.3.1.1 Sharing study B

#### 2/1.10/3.3.1.1 Sharing study C

### 2/1.10/3.3.2 Studies with the aeronautical radionavigation service

#### 2/1.10/3.3.2.1 Sharing study A

#### 2/1.10/3.3.2.1 Sharing study B

### 2/1.10/3.3.3 Studies with the radioastronomy service

#### 2/1.10/3.3.3.1 Compatability study A

#### 2/1.10/3.3.3.1 Compatability study B

## 2/1.10/3.4 Results of sharing and compatibility studies in the frequency band 15.4-15.7 GHz

### 2/1.10/3.4.1 Studies with the fixed service

#### 2/1.10/3.4.1.1 Sharing study A

#### 2/1.10/3.4.1.1 Sharing study B

### 2/1.10/3.4.2 Studies with the radioastronomy service

#### 2/1.10/3.4.2.1 Compatability study A

#### 2/1.10/3.4.2.1 Compatability study B

### 2/1.10/3.4.3 Studies with the earth exploration satellite service (passive)

#### 2/1.10/3.4.3.1 Compatability study A

#### 2/1.10/3.4.3.1 Compatability study B

### 2/1.10/3.5.1 Studies with the broadcasting satellite service

#### 2/1.10/3.5.1.1 Sharing study A

## 2/1.10/3.5 Results of definition of appropriate protection for the passive services and the RAS allocated in adjacent frequency bands

2/1.10/4 Methods to satisfy the agenda item[[1]](#footnote-1)1

*[This section should contain the brief description of the Method or Methods to satisfy the agenda item as per Section A2.4 of Annex 2 to* [*Resolution ITU-R 2-8*](http://www.itu.int/pub/R-RES-R.2-8-2019)*.]*

2/1.10/4.1 Method A: NOC[[2]](#footnote-2)2

*[Text describing the first method to satisfy the agenda item]*

2/1.10/4.2 Method B: [title of Method B, if any]

*[Text describing the second method to satisfy the agenda item]*

*[Additional sections with text describing other methods to satisfy the agenda item, if any]*

2/1.10/5 Regulatory and procedural considerations

*[Example(s) of regulatory text relating to the Method(s) to satisfy the agenda item]*

2/1.10/5.1 For Method A: NOC

ARTICLE 5

Frequency allocations

NOC

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

SUP

RESOLUTION 430 (WRC-19)

**Studies on frequency-related matters, including possible additional allocations,**

**for the possible introduction of new non-safety aeronautical mobile applications**

2/1.10/5.2 For Method B: [title of Method B, if any]

*[Example(s) of regulatory text for the second method to satisfy the agenda item]*

*[Additional sections with example(s) of regulatory text for the other methods to satisfy the agenda item, if any]*

**3 List of** existing ITU**-R Recommendations**

| **ITU-R Series** | **Recommendation number****[[3]](#footnote-3)\*** | **Latest publication** | **Recommendation title** | **Agenda item** | **CPM chapter** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |

# 4 List of existing ITU-R Reports

| **ITU-R Series** | **Report number**\* | **Latest publication** | **Report title** | **Agenda item** | **CPM chapter** |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  | 1.10 |  |
|  |  |  |  | 1.10 |  |
| . |  |  |  | 1.10 |  |

1. 1 If a single Method is proposed to satisfy a given agenda item, it does not need to bear a number as it would be the only **Method to satisfy the agenda item**, in both Sections **2/1.10/4** and **2/1.10/5**. [↑](#footnote-ref-1)
2. 2 If alternatives are proposed to a given Method, they could be described as Sub-Methods in new sub-sections, e.g. Sub-Method A1 (to Method A) in sub-section **2/1.10/4.1.1** and Sub-Method A2 (to Method A) in sub-section **2/1.10/4.1.2**. [↑](#footnote-ref-2)
3. \* Reference(s) used in the the draft CPM Report. [↑](#footnote-ref-3)