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| **Radiocommunication Study Groups** |  |
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| Source: Document 5A/TEMP/241(Rev.1) | **Annex 5 toDocument 5A/597-E** |
| **9 June 2022** |
| **English only** |
| Annex 5 to Working Party 5A Chairman’s Report |
| REPORT OF ACTIVITIES IN SUPPORT OF WRC-23 Agenda Item 1.3 |
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For work on WRC-23 agenda item 1.3 the following tables represent the work undertaken and remaining work to be done.

| Working Party 5A meetings | Activity |
| --- | --- |
| 1st meeting of the study cycle(23rd meeting of WP5A)July 2020 | • Considered input contributions• Developed an initial work plan• Developed liaison statements to contributing groups• Created a placeholder document for draft CPM text |
| 2nd meeting of the study cycle(24th meeting of WP5A)November 2020 | • Considered input contributions• Revised the work plan• Prepared a compilation of parameters received in response to liaison statements and contributions to WP5A• Analysed existing ITU-R Reports relevant to the sharing and compatibility studies• Developed an initial version of the draft CPM text |
| 3rd meeting of the study cycle(25th meeting of WP5A)May 2021 | • Considered input contributions• Continued the analysis of existing ITU-R Reports, and of new parameters/criteria received• Updated the compilation of parameters received in response to liaison statements and contributions to WP5A |
| 4th meeting of the study cycle(26th meeting of WP5A)November 2021 | • Considered input contributions• Continued development of the draft CPM text• Created a working document on sharing and compatibility studies• Revised the work plan |
| 5th meeting of the study cycle(27th meeting of WP5A)May 2022 | • Considered input contributions• Finalized draft CPM Text• Transmitted draft CPM Text to Chapter Rapporteur• Revised the working document on sharing and compatibility studies• Converted the work plan to a report of activities |

Remaining actions at future meetings of WP 5A:

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| --- | --- |
| 6th meeting of the study cycle(28th meeting of WP5A)November 2022 | • Consider input contributions• Continue work on the working document on sharing and compatibility studies with a view to finalize it, if necessary, for submission to Study Group 5 |

The list of relevant Recommendations and Reports referred to in the draft CPM text and the list of abbreviations and acronyms used in the draft CPM text for WRC-23 agenda item 1.3 appear in Attachments 1 and 2, respectively.

**Attachments:**

[Attachment 1](#att1): List of relevant Recommendations and Reports for agenda item 1.3

[Attachment 2](#att2): List of abbreviations and acronyms used in the draft CPM text for agenda item 1.3

Attachment 1

List of relevant Recommendations and Reports for WRC-19 agenda item 1.3

ITU-R Recommendations:

| **ITU-R Series** | **Recommendation number** | **Latest publication** | **Recommendation title** | **Agenda item** | **CPMChapter** |
| --- | --- | --- | --- | --- | --- |
| F | 1336 | 01/2019 | Reference radiation patterns of omnidirectional, sectoral and other antennas for the fixed and mobile service for use in sharing studies in the frequency range from 400 MHz to about 70 GHz | 1.3 | 1 |
| M | 2150 | 02/2022 | Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-2020 (IMT-2020) | 1.3 | 1 |
| P | 452 | 09/2021 | Prediction procedure for the evaluation of interference between stations on the surface of the Earth at frequencies above about 0.1 GHz | 1.3 | 1 |
| P | 1238 | 09/2021 | Propagation data and prediction methods for the planning of indoor radiocommunication systems and radio local area networks in the frequency range 300 MHz to 450 GHz | 1.3 | 1 |
| P | 2001 | 09/2021 | A general purpose wide-range terrestrial propagation model in the frequency range 30 MHz to 50 GHz | 1.3 | 1 |
| P | 2040 | 09/2021 | Effects of building materials and structures on radiowave propagation above about 100 MHz | 1.3 | 1 |
| P | 2108 | 09/2021 | Prediction of clutter loss | 1.3 | 1 |
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ITU-R Reports:

| **ITU-R Series** | **Report number** | **Latest publication** | **Report title** | **Agenda item** | **CPMChapter** |
| --- | --- | --- | --- | --- | --- |
| F | 2328 | 11/2014 | Sharing and compatibility between international mobile telecommunication systems and fixed service systems in the 3 400-4 200 MHz frequency range | 1.3 | 1 |
| M | 2109 | 10/2007 | Sharing studies between IMT Advanced systems and geostationary satellite networks in the fixed-satellite service in the 3 400-4 200 and 4 500-4 800 MHz frequency bands | 1.3 | 1 |
| M | 2111 | 10/2007 | Sharing studies between IMT-Advanced and the radiolocation service in the 3 400-3 700 MHz bands | 1.3 | 1 |
| M | 2116 | 12/2013 | Characteristics of broadband wireless access systems operating in the land mobile service for use in sharing studies | 1.3 | 1 |
| S | 2199 | 11/2010 | Studies on compatibility of broadband wireless access (BWA) systems and fixed-satellite service (FSS) networks in the 3 400-4 200 MHz band | 1.3 | 1 |
| S | 2368 | 06/2015 | Sharing studies between International Mobile Telecommunication-Advanced systems and geostationary satellite networks in the fixed-satellite service in the 3 400-4 200 MHz and 4 500-4 800 MHz frequency bands in the WRC study cycle leading to WRC-15 | 1.3 | 1 |
| M | [TBD] | [TBD] | Working document towards a Draft New Report for sharing and compatibility studies in compliance with Resolution 246 (WRC 19) in relation with WRC-23 agenda item 1.3 | 1.3 | 1 |
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Attachment 2

List of abbreviations and acronyms used in the draft CPM text
for WRC-23 agenda item 1.3

| Abbreviations | Description (reference to RR) |
| --- | --- |
| AAS | Advanced antenna system |
| BS | Base station |
| BWA | Broadband Wireless Access |
| CCDF | Complementary cumulative distribution function |
| ES | Earth station |
| I/N | Interference-to-noise ratio |
| IMT | International Mobile Telecommunications (see Resolution ITU-R 56-2) |
| LNB | Low-noise block downconverter |
| OOB | Out-of-band |
| pfd | power flux-density |
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