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| **Radiocommunication Study Groups** |  |
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| Source: Document 5A/TEMP/321 | **Annex 5 to  Document 5A/844-E** |
| **4 June 2018** |
| **English only** |
| Annex 5 to Working Party 5A Chairman’s Report | |
| Report on activities in support of WRC-19 agenda item 1.1 | |

For work on WRC-19 agenda item 1.1 the following tables represent the work undertaken and remaining work to be done.

| Working Party 5A meetings | Activity |
| --- | --- |
| 16th meeting  May 2016 | • Began work on identifying amateur service technical and operational characteristics for systems to be operated in the 50-54 MHz frequency band.  • Requested any required technical and operational characteristics from contributing groups.  • Prepared liaison statements to the concerned groups with information on amateur systems technical characteristic planned for use in the 50-54 MHz frequency band.  • Catalogued existing ITU Region 1 use by the amateur service in part or the entire 50-54 MHz frequency band.  • Began drafting Report ITU-R M.[AMATEUR 50MHz] on A.I. 1.1.  • Began drafting the CPM text.  • Liaised the work plan to the contributing groups. |
| 17th meeting  November 2016 | • Completed the review of amateur service technical and operational characteristics for the 50-54 MHz frequency band.  • Analysis of liaison statements responses from the concerned working parties.  • Began sharing studies and develop Report ITU-R M.[AMATEUR 50MHz], between proposed amateur service stations and incumbent service stations in ITU Region 1 countries not included in RR footnote **5.169**.  • Requested information from concerned groups on the technical characteristics of incumbent services.  • Determined spectrum requirements for the amateur service and plans for implementation of an amateur service allocation in the 50-54 MHz frequency band.  • Developed draft CPM Text considering and incorporating feedback from contributing groups. |
| 18th meeting  May 2017 | • Continued sharing studies and update preliminary draft new Report, taking into account feedback from contributing groups.  • Liaised updated preliminary draft new Report on sharing studies to contributing groups as appropriate for review.  • Review the work plan. |
| 19th meeting  November 2017 | • Continued sharing studies taking into account feedback from contributing groups.  • Prepared draft new Report on sharing studies as appropriate.  • Based on contributions developed the draft CPM Text.  • Liaised draft new Report on sharing studies to contributing groups as appropriate for review.  • Liaised draft CPM Text for review.  • Review the work plan. |
| 20th meeting  May 2018 | • Finalized CPM Text.  • Transmit draft CPM Text to Chapter Rapporteur.  • Convert the work plan to report. |

Remaining actions at future meetings of WP 5A:

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| --- | --- |
| Nov. 2018 | 1. Complete sharing studies taking into account feedback from contributing groups.  2. Complete draft new Report on sharing studies and send to Study Group 5.  3. Review and revise any other ITU-R Recommendations, Reports and Questions relevant to the amateur service. |

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-19 agenda item 1.1 appear in Attachments 1 and 2, respectively.

**Attachments:**

[Attachment 1](#att1): List of relevant Recommendations and Reports for agenda item 1.1

[Attachment 2](#att2): List of abbreviations and acronyms used in the draft CPM text for agenda item 1.1

Attachment 1

List of relevant Recommendations and Reports for WRC-19 agenda item 1.1

ITU-R Recommendations:

| **ITU-R Series** | **Recommendation number** | **Latest publication** | **Recommendation title** | **Agenda item** | **CPM Chapter** |
| --- | --- | --- | --- | --- | --- |
| M. | 1634 | [M.1634-0](https://www.itu.int/rec/R-REC-M/recommendation.asp?lang=en&parent=R-REC-M.1634) | Interference protection of terrestrial mobile service systems using Monte Carlo simulation with application to frequency sharing | 1.1 | 5 |
| M. | 1651 | [M.1651-0](https://www.itu.int/rec/R-REC-M/recommendation.asp?lang=en&parent=R-REC-M.1651) | A method for assessing the required spectrum for broadband nomadic wireless access systems including radio local area networks using the 5 GHz band | 1.1 | 5 |
| M. | 1732 | [M.1732-2](http://www.itu.int/rec/R-REC-M.1732/en) | Characteristics of systems operating in the amateur and amateur-satellite services for use in sharing studies | 1.1 | 5 |
| M. | 1825 | [M.1825-0](https://www.itu.int/rec/R-REC-M/recommendation.asp?lang=en&parent=R-REC-M.1825) | Guidance on technical parameters and methodologies for sharing studies related to systems in the land mobile service | 1.1 | 5 |
| P. | 526 | [P.526-14](https://www.itu.int/rec/R-REC-P/recommendation.asp?lang=en&parent=R-REC-P.526) | Propagation by diffraction | 1.1 | 5 |
| P. | 1546 | [P.1546-5](http://www.itu.int/rec/R-REC-P.1546/en) | Method for point-to-area predictions for terrestrial services in the frequency range 30 MHz to 3 000 MHz | 1.1 | 5 |
| P. | 2001 | [P.2001-2](https://www.itu.int/rec/R-REC-P/recommendation.asp?lang=en&parent=R-REC-P.2001) | A general purpose wide-range terrestrial propagation model in the frequency range 30 MHz to 50 GHz | 1.1 | 5 |
| SM. | 851 | [SM.851-1](https://www.itu.int/rec/R-REC-SM/recommendation.asp?lang=en&parent=R-REC-SM.851) | Sharing between the broadcasting service and the fixed and/or mobile services in the VHF and UHF bands. | 1.1 | 5 |
| SM. | 1055 | [SM.1055-0](https://www.itu.int/rec/R-REC-SM/recommendation.asp?lang=en&parent=R-REC-SM.1055) | The use of Spread Spectrum Techniques | 1.1 | 5 |
| BT. | 1368 | [BT.1368-13](https://www.itu.int/rec/R-REC-BT/recommendation.asp?lang=en&parent=R-REC-BT.1368) | Planning criteria, including protection ratios, for digital terrestrial television services in the VHF/UHF bands | 1.1 | 5 |
| BT. | 2033 | [BT.2033-1](https://www.itu.int/rec/R-REC-BT/recommendation.asp?lang=en&parent=R-REC-BT.2033) | Planning criteria, including protection ratios, for second generation of digital terrestrial television broadcasting systems in the VHF/UHF bands | 1.1 | 5 |

ITU-R Reports:

| **ITU-R Series** | **Report number** | **Latest publication** | **Report title** | **Agenda item** | **CPM Chapter** |
| --- | --- | --- | --- | --- | --- |
| M. | [AMATEUR\_50\_MHZ] | [Annex 14](https://www.itu.int/dms_pub/itu-r/md/15/wp5a/c/R15-WP5A-C-0650!N14!MSW-E.docx) to [Doc. 5A/650](https://www.itu.int/md/R15-WP5A-C-0650/en) | Spectrum needs for the amateur service in the frequency band 50-54 MHz in Region 1 and sharing with mobile, fixed, radiolocation and broadcasting services | 1.1 | 5 |
| SM. | 2028 | [SM.2028-2](https://www.itu.int/pub/R-REP-SM/publications.aspx?lang=en&parent=R-REP-SM.2028) | Monte Carlo simulation methodology for the use in sharing and compatibility studies between different radio services or systems | 1.1 | 5 |
| BT. | 2387 | [BT.2387-0](https://www.itu.int/pub/R-REP-BT/publications.aspx?lang=en&parent=R-REP-BT.2387) | Spectrum/frequency requirements for bands allocated to broadcasting on a primary basis | 1.1 | 5 |

Attachment 2

List of abbreviations and acronyms used in the draft CPM text   
for WRC-19 agenda item 1.1

| Abbreviations | Description (reference to RR) |
| --- | --- |
| CEPT | European Conference of Postal and Telecommunications Administrations |
| FM | Frequency Modulation |
| IARU | International Amateur Radio Union |
| GE89 | Plan for VHF/UHF television broadcasting in the African Broadcasting Area and neighboring countries, Geneva, 1989 Rev. 2006 |
| MIFR | Master International Frequency Register |
| SSB | Single Side Band |
| ST61 | Plan for television and sound broadcasting in the European broadcasting area, Stockholm, 1961 Rev. 2006 |
| WPR | Wind Profiler Radar |