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| **Radiocommunication Study Groups** |  |
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| Source: Document 5A/TEMP/303 | **Annex 7 to  Document 5A/844-E** |
| **4 June 2018** |
| **English only** |
| Annex 7 to Working Party 5A Chairman’s Report | |
| Report on activities in support of WRC-19 agenda item 1.11 | |

As the responsible group, WP 5A has carried out following activities for supporting the WRC-19 agenda item 1.11.

| WP 5A Meetings | Actions taken |
| --- | --- |
| May. 2016 | 1 Established a SWG for A.I. 1.11 Railway.  2 Developed the work plan for A.I. 1.11.  3 Initiated a Survey on Railway Radiocommunication Systems.  4 Initiated the study on technical and operational characteristics and implementation and spectrum needs of railway radiocommunication systems between train and trackside, and draft the working document towards a PDN Report ITU-R M.[Rail.RSTT].  5 Developed elements of working document towards preliminary draft CPM text on A.I. 1.11.  6 Drafted relevant liaisonstatements. |
| Nov. 2016 | 1 Reviewed the responses received on the survey and take appropriate course of actions.  2 Improved the working document towards PDN Report ITU-R M.[Rail.RSTT].  3 Initiated a study on global or regional harmonized frequency bands for RSTT.  4 Improved elements of working document towards preliminary draft CPM text on A.I. 1.11.  5 Drafted relevant liaison statements.  6 Reviewed and revised the work plan. |
| May. 2017 | 1 Considered new inputs and summarize the responses to the survey questionnaire.  2 Developed two Working documents towards PDN Reports:  – Working document towards a preliminary draft new Report ITU-R M.[RAIL.DESCRIPTION]; and  – Working document towards a preliminary draft new Report ITU-R M.[RAIL.USAGE] ,based on the working document towards a PDN Report ITU-R M.[Rail.RSTT].  3 Upgraded the Working document towards a preliminary draft new Report ITU-R M.[RAIL.DESCRIPTION] to PDNR  4 Initiated a study on working document toward a PDN Recommendation ITU-R M.[RSTT]  5 Improved working document towards preliminary draft CPM text on A.I. 1.11.  6 Continued the study on global or regional harmonized frequency bands for RSTT.  7 Drafted relevant liaison statement(s).  8 Reviewed and revised the work plan. |
| Nov. 2017 | 1 Completed the PDN Report ITU-R M.[RAIL.DESCRIPTION] and sent it to SG 5 for approval. Approved by Member States in SG 5 and published as Report ITU-R M.2418.  2 Further updated the working document towards a preliminary draft new Report ITU-R M.[RAIL.USAGE] and upgraded it to PDN Report.  3 Further updated the working document toward a PDN Recommendation ITU-R M.[RSTT\_FRQ]  4 Achieved preliminary study result on global or regional harmonized frequency bands for RSTT.  5 Further updated the draft CPM text on A.I. 1.11.  6 Reviewed and revised the work plan.  7 Drafted relevant liaison statement. |
| May 2018 | 1 Further updated Working document towards a preliminary draft new Report ITU-R M.[RSTT.USAGE] and upgraded it into PDN Report.  2 Further updated the Working document toward a PDN Recommendation ITU-R M.[RSTT\_FRQ].  3 Completed the work on draft CPM text on A.I. 1.11 and send it to the chapter rapporteur.  4 Converted the work plan into a report on activities.  5 Draft relevant liaison statement. |

Remaining actions at the next meeting of WP 5A:

|  |  |
| --- | --- |
| Nov. 2018 | 1 Complete the PDN Report ITU-R M.[RSTT.USAGE] and send it to SG 5 for approval.  2 Upgrade the Working document towards PDN Recommendation ITU-R M.[RSTT\_FRQ] to PDNR.  3 Prepare relevant liaison statement(s). |

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 1.11 appear in Attachments 1 and 2, respectively.

**Attachments:**

[Attachment 1](#att1): List of relevant Recommendations and Reports for agenda item 1.11

[Attachment 2](#att2): List of abbreviations and acronyms used in the draft CPM text for agenda item 1.11

Attachment 1

List of relevant Recommendations and Reports for WRC-19 agenda item 1.11

ITU-R Recommendations:

| ITU-R Series | Recommendation number | Latest publication | Recommendation title | Agenda item | CPM chapter |
| --- | --- | --- | --- | --- | --- |
| M. | [RSTT\_FRQ] | [Annex 15](https://www.itu.int/dms_ties/itu-r/md/15/wp5a/c/R15-WP5A-C-0844!N15!MSW-E.docx) to [Doc. 5A/844](https://www.itu.int/md/R15-WP5A-C-0844/en) | Harmonization of frequencies and related frequency arrangements, for railway radiocommunication systems between train and trackside | 1.11 | 1 |
| P. | 1411 | [P.1411-9 (06/2017)](https://www.itu.int/rec/R-REC-P.1411/en) | Propagation data and prediction methods for the planning of short-range outdoor radiocommunication systems and radio local area networks in the frequency range 300 MHz to 100 GHz | 1.11 | 3.2 |

**ITU-R Reports:**

| ITU-R Series | Report number | Latest publication | Report title | Agenda item | CPM chapter |
| --- | --- | --- | --- | --- | --- |
| M. | 2418 | [M.2418-0 (11/2017)](https://www.itu.int/pub/R-REP-M.2418) | Description of Railway Radiocommunication Systems between Train and Trackside (RSTT) | 1.11 | 1 |
| M. | [RSTT.USAGE] | [Annex 14](https://www.itu.int/dms_ties/itu-r/md/15/wp5a/c/R15-WP5A-C-0844!N14!MSW-E.docx) to [Doc. 5A/844](https://www.itu.int/md/R15-WP5A-C-0844/en) | Current and future usage of railway radiocommunication systems between train and trackside (RSTT) | 1.11 | 1 |

Attachment 2

List of abbreviations and acronyms used in the draft CPM text   
for WRC-19 agenda item 1.11

| Abbreviations | Description (reference to RR) |
| --- | --- |
| 3GPP | 3rd Generation Partnership Project |
| CCTV | Closed Circuit Television |
| ERA | European Railway Agency |
| ETSI | European Telecommunication Standards Institute |
| IEEE | Institute of Electrical and Electronic Engineers |
| LTE-R | Long Term Evolution-Railway |
| GSM-R | Global system for mobile communications – railway |
| RSTT | Railway radiocommunication Systems between Train and Trackside |
| TETRA | Terrestrial Trunked Radio |
| UIC | International Union of Railways |