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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 PDNR4 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 | CPMchapter |
| --- | --- | --- | --- | --- | --- |
| M. | [RSTT\_FRQ] | [Annex 15](https://www.itu.int/dms_ties/itu-r/md/15/wp5a/c/R15-WP5A-C-0844%21N15%21MSW-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 | CPMchapter |
| --- | --- | --- | --- | --- | --- |
| 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%21N14%21MSW-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 |