|  |  |
| --- | --- |
| **Radiocommunication Study Groups** |  |
|  |  |
|  |  |
|  | **Annex 2 toDocument 5A/359-E** |
| **18 May 2021** |
| **English only** |
| Annex 2 to Working Party 5A Chairman’s Report |
| CONSOLIDATION OF TEXTS APPROVED BY WORKING PARTY 5A |
|  |

CONTENTS

[1 Documents approved by Working Party 5A 2](#_Toc71829704)

[2 Summary of proposals and documents submitted by WP5A to Study Group 5 2](#_Toc71829705)

[3 Liaison statements from Working Party 5A to ITU-R Groups 2](#_Toc71829706)

[4 Liaison statements from Working Party 5A to other ITU groups 3](#_Toc71829707)

[4.1 Reply liaison to ITU-T Focus Group on AI for Natural Disaster Management
(FG-AI4NDM) - Invitation to provide inputs to the Roadmap of AI activities for
natural disaster management 4](#_Toc71829708)

[4.2 Response liaison statement to ITU-T Study Group 11 - The framework of testing of identification systems used in Internet of Things 5](#_Toc71829709)

[5 Liaison statements from Working Party 5A to external organizations 5](#_Toc71829710)

[5.1 Liaison statement to external organizations on RLAN – Request for input for a draft
revision of Recommendation ITU-R M.1450-5 – “Characteristics of broadband radio
local area networks” 6](#_Toc71829711)

[5.2 Liaison statement to external organizations on RLAN & BWA – “Request for input for
a draft revision of Recommendation ITU-R M.1801-2 – Radio interface standards for broadband wireless access systems, including mobile and nomadic applications in the
mobile service.” 7](#_Toc71829712)

[5.3 Liaison statement to external organizations on ITS – Intelligent Transport Systems 7](#_Toc71829713)

# 1 Documents approved by Working Party 5A

The list of texts that are the responsibility of Working Party 5A (WP5A) has been updated in line with Doc. [5/1(Rev.1)](http://www.itu.int/md/R19-SG05-C-0001/en), including the assignment of responsibilities to the working groups of WP5A and identification of topics for the Recommendations and Reports ([Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R19-WP5A-C-0359!N01!MSW-E) to Doc. [5A/359](http://www.itu.int/md/R19-WP5A-C-0359/en)). The two guides to the use of ITU-R texts have been updated editorially:

– [Guide to the use of ITU-R texts relating to the land mobile service, including wireless access in the fixed service](https://www.itu.int/oth/R0A06000001/en)

– [Guide to the use of ITU-R texts relating to the amateur and amateur-satellite services](https://www.itu.int/oth/R0A06000067).

WP 5A approved one draft new question for submission to SG5 and 19 liaison statements to other groups; see sections 2-5 below.

# 2 Summary of proposals and documents submitted by WP5A to Study Group 5

WP5A approved a draft new question for submission to Study Group 5: draft new study Question ITU-R [RSTT]/5 – “Studies related to the further development of RSTT” – Doc. [5/39](https://www.itu.int/md/R19-SG05-C-0039/en).

# 3 Liaison statements from Working Party 5A to ITU-R Groups

| Liaisonstatement to[[1]](#footnote-1) | Title/Subject | Document number | Source:5A/TEMP/ |
| --- | --- | --- | --- |
| **TG6/1**WP6AWP5BWP5D | Liaison Statement to Task Group 6/1 (copy to Working Parties 6A, 5B and 5D for information) - WRC-23 agenda item 1.5 | [6-1/33](https://www.itu.int/md/R19-TG6.1-C-0033/en)[6A/183](https://www.itu.int/md/R19-wp6A-C-0183/en)[5B/352](https://www.itu.int/md/R19-wp5B-C-0352/en)[5D/584](https://www.itu.int/md/R19-wp5D-C-0584/en) | 140R1141R1 |
| **WP4A** | Reply liaison statement to Working Party 4A - Additional information for studies on WRC-23 agenda item 1.19 | [4A/269](https://www.itu.int/md/R19-WP4A-C-0269/en) | 130R1 |
| **WP4A** | Reply liaison statement to Working Party 4A - Mobile Service technical and operational characteristics and protection criteria for use in sharing studies under WRC-23 agenda items 1.16 and 1.17 | [4A/270](https://www.itu.int/md/R19-WP4A-C-0270/en) | 116R1 |
| **WP4A****WP5B****WP5C****WP5D**ITU-T FG-VM | Liaison statement to Working Parties 4A, 5B, 5C and 5D (copy for information to ITU-T FG-VM) - Intelligent Transport Systems | [4A/266](https://www.itu.int/md/R19-WP4A-C-0266/en)[5B/349](https://www.itu.int/md/R19-WP5B-C-0349/en)[5C/194](https://www.itu.int/md/R19-WP5C-C-0194/en)[5D/582](https://www.itu.int/md/R19-WP5D-C-0582/en) | 98R1 |
| **WP4C** | Reply liaison statement to Working Party 4C - Additional information for studies on WRC-23 agenda item 1.18 | [4C/186](https://www.itu.int/md/R19-WP4C-C-0186/en) | 128R1 |
| **WP4C**WP3M | Liaison statement to Working Party 4C (copy to Working Party 3M for information) - Information for studies on WRC-23 agenda item 9.1, topic b) - Applications and typical operational characteristics of the amateur and amateur-satellite services operating in the frequency band 1 240-1 300 MHz | [4C/185](https://www.itu.int/md/R19-WP4C-C-0185/en)[3M/187](https://www.itu.int/md/R19-WP3M-C-0187/en) | 126R1 |
| **WP5B** | Reply liaison statement to Working Party 5B - Additional information for studies on WRC-23 agenda item 1.8 | [5B/345](https://www.itu.int/md/R19-WP5B-C-0345/en) | 129R1 |
| **WP5C**WP1AWP7CWP7D | Liaison statement to Working Party 5C (copy to Working Parties 1A, 7C and 7D for information) - Working document towards a preliminary draft new Report ITU-R M.[252-296 GHZ.LMS.FS.COEXIST] | [5C/195](https://www.itu.int/md/R19-WP5C-C-0195/en)[1A/100](https://www.itu.int/md/R19-WP1A-C-0100/en)[7C/191](https://www.itu.int/md/R19-WP7C-C-0191/en)[7D/78](https://www.itu.int/md/R19-WP7D-C-0078/en) | 112R1 |
| **WP7C** | Reply liaison statement to Working Party 7C - WRC-23 agenda item 1.14 - System characteristics of primary services to be used for sharing and compatibility studies in the frequency range 231.5-252 GHz | [7C/193](https://www.itu.int/md/R19-WP7C-C-0193/en) | 109R1 |
| **WP7C** | Reply liaison statement to Working Party 7C - Additional information for studies on WRC-23 agenda item 9.1, topic a) | [7C/192](https://www.itu.int/md/R19-WP7C-C-0192/en) | 108R1 |
| **WP7C**WP7D | Liaison statement to Working Party 7C (copy for information to Working Party 7D) - Preliminary draft new Report ITU-R M.[100-GHZ.RSTT.EESS.COEXIST] | [7C/194](https://www.itu.int/md/R19-WP7C-C-0194/en)[7D/79](https://www.itu.int/md/R19-WP7C-C-0079/en) | 118R1 |

See additional liaison statements to ITU-R groups in section 4 below.

# 4 Liaison statements from Working Party 5A to other ITU groups

| Liaison to | Title/Subject | References | Source:5A/TEMP/ |
| --- | --- | --- | --- |
| **ITU-T FG-AI4NDM** | Reply liaison to ITU-T Focus Group on AI for Natural Disaster Management (FG-AI4NDM) - Invitation to provide inputs to the Roadmap of AI activities for natural disaster management | [Section 4.1](#s41) | 94R1 |
| **ITU-T SG11** | Response liaison statement to ITU-T Study Group 11 - The framework of testing of identification systems used in Internet of Things | [Section 4.2](#s42) | [103](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R19-WP5A-210428-TD-0103) |
| ITU-D SG2ITU-D Q5/2ITU-T SG2ITU-T Q.3/2ITU-T SG3ITU-T SG11ITU-T Q.3/11ITU-T SG17ITU-R SG3ITU-R SG4ITU-R WP4AITU-R WP4BITU-R WP4CITU-R SG5ITU-R WP5BITU-R WP5CITU-R WP5DITU-R SG6ITU-R WP6AITU-R SG7ITU Secretary GeneralUnited Nations Office for the Coordination of Humanitarian Affairs Inter Agency Standing Committee | Liaison statement to relevant parties - Proposed suppression of the Compendium of ITU's work on Emergency Telecommunications | [3/24](https://www.itu.int/md/R19-SG03-C-0024/en)[4/23](https://www.itu.int/md/R19-SG04-C-0023/en)[4A/271](https://www.itu.int/md/R19-wp4A-C-0271/en)[4B/61](https://www.itu.int/md/R19-wp4B-C-0061/en)[4C/187](https://www.itu.int/md/R19-wp4C-C-0187/en)[5/50](https://www.itu.int/md/R19-SG05-C-0050/en)[5B/353](https://www.itu.int/md/R19-wp5B-C-0353/en)[5C/196](https://www.itu.int/md/R19-wp5C-C-0196/en)[5D/585](https://www.itu.int/md/R19-wp5D-C-0585/en)[6/142](https://www.itu.int/md/R19-SG06-C-0142/en)[6A/185](https://www.itu.int/md/R19-wp6A-C-0185/en)[7/21](https://www.itu.int/md/R19-SG07-C-0021en)ITU-D and ITU-T:UN OCHA: | 99R1 |
| **ITU-T SG11**ITU-D Q5/2ITU-R WP5BITU-R WP5D | Reply liaison to ITU-T Study Group 11 (copy to ITU-D SG2 Q5/2, ITU-R Working Parties 5B and 5D) - Disaster Relief Use Cases | [5B/348](https://www.itu.int/md/R19-WP5B-C-0348/en)[5D/581](https://www.itu.int/md/R19-WP5D-C-0581/en) | [95](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=R19-WP5A-210428-TD-0095) |
| **ITU-T SG5****ITU-D SG2**ITU-R WP1AITU-R WP1C | Reply liaison statement to ITU-T Study Group 5, ITU-D Study Group 2, and ITU-R Working Parties 1A and 1C on EMF - Human exposure to EMF | [1A/97](https://www.itu.int/md/R19-WP1A-C-0097/en)[1C/56](https://www.itu.int/md/R19-WP1C-C-0056/en)/ | 138R2 |

## 4.1 Reply liaison to ITU-T Focus Group on AI for Natural Disaster Management (FG-AI4NDM) - Invitation to provide inputs to the Roadmap of AI activities for natural disaster management

ITU-R Working Party 5A thanks the ITU/WMO/UNEP Focus Group on AI for Natural Disaster Management (FG-AI4NDM) for its liaison statement in Document [5A/255](https://www.itu.int/md/R19-WP5A-C-0255/en) introducing the group and inviting inputs to the roadmap of artificial intelligence (AI) activities (in the context of data, modelling, and communication technologies) for natural disaster management.

Working Party 5A understands that, in particular, FG-AI4NDM seeks to develop a list of relevant standards (both approved and under development) from standards developing organizations (SDOs).

[Recommendation ITU-R M.2009](https://www.itu.int/rec/R-REC-M.2009-2-201901-I/en) contains radio interface standards for use by public protection and disaster relief operations. However, artificial intelligence is not specifically addressed in the Recommendation.

Working Party 5A does maintain a list of contacts related to Public Protection and Disaster Relief, including SDOs, which may be relevant to the work in the Focus Group. The current list of contacts is in the Attachment. Those entities may be able to provide more relevant information for the work of Focus Group.

Working Party 5A hopes this information will be beneficial to work of Focus Group and would be interested in being kept informed of the progress of the work of FG-AI4NDM.

|  |
| --- |
| **Status:** For information and action, as appropriate |
| **Contact:** Bharat Bhatia | **E-mail:** Bharat.Bhatia@itu-apt.org |

**Attachment:** Working Party 5A contacts for liaison and collaboration with other organizations under Resolution [ITU-R 9](http://www.itu.int/pub/R-RES-R.9) (PPDR contacts from Annex 1 of the Chairman’s Report)

## 4.2 Response liaison statement to ITU-T Study Group 11 - The framework of testing of identification systems used in Internet of Things

ITU-R Working Party 5A thanks ITU-T Study Group 11 for its liaison statement in Document [5A/235](https://www.itu.int/md/R19-WP5A-C-0235/en), specifically for the information on the new Recommendation ITU-T Q.4063

Working Party 5A has reviewed the material and has no comments. However, Working Party 5A would be pleased to be kept informed on this matter by ITU-T Study Group 11.

|  |  |
| --- | --- |
| **Status:** For information |  |
| **Contact:** Uwe Baeder | **E-mail:** uwe.baeder@rohde-schwarz.com  |

# 5 Liaison statements from Working Party 5A to external organizations

|  |  |  |  |
| --- | --- | --- | --- |
| Liaison to | Title/Subject | References | Source:5A/TEMP/ |
| **RLAN external organizations**[[2]](#footnote-2) | Request for input for a draft revision of Recommendation ITU-R M.1450-5 – Characteristics of broadband radio local area networks | [Section 5.1](#s51) | 132R1 |
| **RLAN & BWA external organizations**[[3]](#footnote-3) | Request for input for a draft revision of Recommendation ITU-R M.1801-2 – “Radio interface standards for broadband wireless access systems, including mobile and nomadic applications in the mobile service” | [Section 5.2](#s52) | 135R1 |
| **ITS external organizations**[[4]](#footnote-4) | Intelligent Transport Systems | [Section 5.3](#s53)  | 97R1 |

## 5.1 Liaison statement to external organizations on RLAN – Request for input for a draft revision of Recommendation ITU-R M.1450-5 – “Characteristics of broadband radio local area networks”

At its May 2021 meeting, ITU-R Working Party 5A initiated work on a revision of Recommendation [ITU-R M.1450-5,](https://www.itu.int/rec/R-REC-M.1450-5-201404-I/en) which provides the characteristics of broadband radio local area networks (RLANs) including technical parameters, and information on RLAN standards and operational characteristics. Basic characteristics of broadband RLANs and general guidance for their system design are also addressed. These specific standards are composed of common specifications developed by standards development organizations (SDOs).

Working Party 5A kindly invites external organizations to provide updated and/or new material, and any other relevant information, for the draft revision of Recommendation ITU‑R M.1450-5. Also, please indicate if any of the standards in Recommendation ITU-R M.1450-5 could be removed from the next revision should any of them have fallen into disuse.

The next meeting of Working Party 5A is scheduled for 15-26 November 2021 and the deadline for submission of contributions is 1600 hours UTC, 8 November 2021.

|  |  |
| --- | --- |
| **Status:** For action |  |
| **Contact:** Uwe Loewenstein | **E-mail:** uwe.loewenstein@itu.int |

**Attachment:** [Annex 12](https://www.itu.int/dms_pub/itu-r/md/19/wp5a/c/R19-WP5A-C-0359%21N12%21MSW-E.docx) to Doc. [5A/359](https://www.itu.int/md/R19-WP5A-C-0359/en) – Working document towards a preliminary draft revision of Recommendation ITU-R M.1450-5 – *Characteristics of broadband radio local area networks*.

## 5.2 Liaison statement to external organizations on RLAN & BWA – “Request for input for a draft revision of Recommendation ITU-R M.1801-2 – Radio interface standards for broadband wireless access systems, including mobile and nomadic applications in the mobile service”

At its May 2021 meeting, ITU-R Working Party 5A initiated work on a revision of Recommendation [ITU-R M.1801-2](http://www.itu.int/rec/R-REC-M.1801/en), which recommends specific standards for broadband wireless access in the mobile service. These specific standards are composed of common specifications developed by standards development organizations (SDOs). The Recommendation provides a high-level description of the various standards contained therein, with some technical characteristics and their values being summarized in the form of a table.

In that regard ITU-R Working Party 5A kindly invites external organizations to provide updated and/or new material, and any other relevant information, for the draft revision of Recommendation ITU‑R M.1801-2. Also, please indicate if any of the standards in Recommendation ITU-R M.1801-2 could be removed from the next revision should any of them have fallen into disuse.

The next meeting of Working Party 5A is scheduled for 15-26 November 2021 and the deadline for submission of contributions is 1600 hours UTC, 8 November 2021.

|  |  |
| --- | --- |
| **Status:** For action |  |
| **Contact:** Uwe Loewenstein | **E-mail:** uwe.loewenstein@itu.int |

**Attachment:** [Annex 13](https://www.itu.int/dms_pub/itu-r/md/19/wp5a/c/R19-WP5A-C-0359%21N13%21MSW-E.docx) to Doc. [5A/359](https://www.itu.int/md/R19-WP5A-C-0359/en) – Working document towards a preliminary draft revision of Recommendation ITU-R M.1801-2 – *Radio interface standards for broadband wireless access systems, including mobile and nomadic applications in the mobile service*

## 5.3 Liaison statement to external organizations on ITS – Intelligent Transport Systems

During the April/May 2021 meeting, Working Party 5A (WP 5A) considered a contribution proposing revisions of existing ITS related ITU-R Recommendation and Report to reflect recent developments.

WP 5A has initiated revisions of Recommendation [ITU-R M.2121](https://www.itu.int/rec/R-REC-M.2121/en) “Harmonization of frequency bands for Intelligent Transport Systems in the mobile service” and Report [ITU-R M.2444](https://www.itu.int/pub/R-REP-M.2444) “Examples of arrangements for Intelligent Transport Systems deployments under the mobile service”.

WP 5A would like to invite ITS related External Organizations to provide updates to the information described in Recommendation ITU-R M.2121 and Report ITU-R M.2444.

The next WP 5A meeting is scheduled for 15-26 November 2021.

|  |
| --- |
| **Status:** For information and action, as appropriate |
| **Contact:** Uwe Loewenstein | **E-mail:** uwe.loewenstein@itu.int |

**Attachments:**

[Annex 25](https://www.itu.int/dms_pub/itu-r/md/19/wp5a/c/R19-WP5A-C-0359%21N25%21MSW-E.docx) to Doc. [5A/359](https://www.itu.int/md/R19-WP5A-C-0359/en): Working document towards a preliminary draft revision of Recommendation ITU-R M.2121-0 - *Harmonization of frequency bands for Intelligent Transport Systems in the mobile service*

[Annex 26](https://www.itu.int/dms_pub/itu-r/md/19/wp5a/c/R19-WP5A-C-0359%21N26%21MSW-E.docx) to Doc. [5A/359](https://www.itu.int/md/R19-WP5A-C-0359/en): Working document towards a preliminary draft revision of Report ITU-R M.2444-0 - *Examples of arrangements for Intelligent Transport Systems deployments under the mobile service*

1. Bold font indicates the primary recipients; “copy to” the others. [↑](#footnote-ref-1)
2. 3GPP RAN “ITU-R Ad-Hoc-Group”, ARIB, ATIS, AWG, CEPT ECC CPG, CEPT ECC WG FM, ETSI, ETSI ERM-TG11, ETSI TC BRAN, ETSI TC ERM, GSA, IEEE, MFA, TIA, TTA, Wi-Fi Alliance, WWRF. [↑](#footnote-ref-2)
3. 3GPP, 3GPP RAN, 3GPP RAN “ITU-R Ad-Hoc-Group”, 3GPP2, 5G Americas, ARIB, ATIS, AWG, BBF, CCSA, CDG, CEPT ECC CPG, CEPT ECC WG FM, ETSI, ETSI ERM-TG11, ETSI TC BRAN, ETSI TC DECT, ETSI TC ERM, ETSI TC MSG, GSA, GSMA, iBurst Association, IEC TC 65, IEEE, MFA, TIA, TIA TR-45, TIA TR-45.5, TSDSI, TTA, TTC, WGA, Wi-Fi Alliance, WiMAX Forum, WWRF, XGP Forum. [↑](#footnote-ref-3)
4. 3GPP, 3GPP RAN “ITU-R Ad-Hoc-Group”, 5G Automotive Association, 79 GHz Project, ARIB, ATIS, AWG, C2C-CC, CCSA, CEPT ECC CPG, CEPT ECC WG FM, C-Roads, ETSI, ETSI ERM-TG37, ETSI ERM-TGSRR, ETSI ISG MEC, ETSI TC ERM, ETSI TC ITS, ETSI TC MSG, GSA, IEEE, IETF ITS, ISO TC 204, MFA, SAE C-V2X TC, TIA, TTA, Wi-Fi Alliance, WWRF. [↑](#footnote-ref-4)