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| **Radiocommunication Study Groups** |  |
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|  | **Annex 2 to Document 5A/976-E** |
| **26 November 2018** |
| **English only** |
| Annex 2 to Working Party 5A Chairman’s Report | |
| CONSOLIDATION OF TEXTS APPROVED BY WORKING PARTY 5A | |
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# 1 Documents approved by Working Party 5A

The list of texts that are the responsibility of Working Party (WP) 5A has been updated in line with Doc. [5/1(Rev.2)](http://www.itu.int/md/R15-SG05-C-0001), including the assignment of responsibilities to the working groups of WP 5A and identification of topics for the Recommendations and Reports ([Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R15-WP5A-C-0976!N01!MSW-E) to Doc. [5A/976](https://www.itu.int/md/R15-WP5A-C-0976/en)).

At its twenty first meeting, Working Party 5A approved 11 liaison statements to other groups; see sections 3 to 5 below.

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

## 2.1 Draft revised and new Recommendations proposed for PSAA

WP 5A submitted three draft revised and one draft new Recommendations for adoption by Study Group 5.

– Draft revision of Recommendation ITU-R M.1637 – *Global cross-border circulation of radiocommunication equipment for use in emergency and disaster relief situations* – Doc. [5/104](http://www.itu.int/md/R15-SG05-C-0104)

– Draft revision of Recommendation ITU-R M.2009-1 – *Radio interface standards for use by public protection and disaster relief operations in accordance with Resolution* ***646 (Rev.WRC-15)*** – Doc. [5/105](http://www.itu.int/md/R15-SG05-C-0105)

– Draft revision of Recommendation ITU-R M.1890-0 – *Operational radiocommunication objectives and requirements for advanced intelligent transport systems* – Doc. [5/122](http://www.itu.int/md/R15-SG05-C-0122)

– Draft new Recommendation ITU-R M.[ITS\_FRQ] – *Harmonization of frequency bands for Intelligent Transport Systems in the mobile service* – Doc. [5/120](http://www.itu.int/md/R15-SG05-C-0120)

In addition, WP 5A developed with WP 5C the draft revision of Recommendation ITU-R F.1336-4 “Reference radiation patterns of omnidirectional, sectoral and other antennas for the fixed and mobile services for use in sharing studies in the frequency range from 400 MHz to about 70 GHz”, which is submitted by WP 5C.

## 2.2 Draft new Reports

WP 5A proposed the following three draft new Reports for consideration for approval by Study Group 5.

– Draft new Report ITU-R M.[RSTT.USAGE] – *Current and future usage of railway radiocommunication systems between train and trackside (RSTT)* – Doc. [5/111](http://www.itu.int/md/R15-SG05-C-0111)

– Draft new Report ITU-R M.[ITS\_ARR] – *Examples of Arrangements for Intelligent Transport Systems deployments under the mobile service* – Doc. [5/121](http://www.itu.int/md/R15-SG05-C-0121)

– Draft new Report ITU-R M.[ITS USAGE] – *Intelligent transport systems (ITS) usage in ITU Member States* – Doc. [5/123](http://www.itu.int/md/R15-SG05-C-0123)

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

|  |  |  |  |
| --- | --- | --- | --- |
| Liaison statement to[[1]](#footnote-1) | Title/Subject | Document number | Source: 5A/TEMP/ |
| **WP 1A**  **WP 3L**  WP 1B  WP 5B  WP 6A | Liaison statement to Working Parties 1A and 3L (copy to Working Parties 1B, 5B and 6A) – *Comments on Report ITU-R SM.[WPT\_100-148.5kHz]* | [1A/375](https://www.itu.int/md/R15-WP1A-C-0375/en)  [3L/84](https://www.itu.int/md/R15-WP3L-C-0084/en)  [1B/336](https://www.itu.int/md/R15-WP1B-C-0336/en)  [5B/644](https://www.itu.int/md/R15-WP5B-C-0644/en)  [6A/475](https://www.itu.int/md/R15-WP6A-C-0475/en) | 341 |
| **WP 5D** | Reply liaison statement to Working Party 5D – *Preliminary draft new Report ITU-R M.[NON\_IMT.MTC\_USAGE] “Technical and operational aspects of Internet of Things and Machine-to-Machine applications by systems in the Mobile Service (excluding IMT)”* | [5D/1116](https://www.itu.int/md/R15-WP5D-C-1116/en) | 354R1 |
| **WP 5B**  **WP 5C**  **WP 6A** | Liaison statement to Working Parties 5B, 5C and 6A – *Progress report on WRC-19 agenda item 1.1 sharing and compatibility studies* | [5B/647](https://www.itu.int/md/R15-WP5B-C-0647/en)  [5C/618](https://www.itu.int/md/R15-WP5C-C-0618/en)  [6A/478](https://www.itu.int/md/R15-WP6A-C-0478/en) | 363 |
| **WP 1A Rapporteur Group**  WP 5C  WP 5D (copy for information to others) | Reply liaison statement to ITU-R Working Party 1A and the Rapporteur Group on the coexistence of wired telecommunication with radiocommunication systems (copy to Working Parties 5C and 5D) (copy for information to Working Parties 5B, 6A, 7A, 7B, 7C, 7D and ITU-T SG 15) – *Preliminary draft revision of Report ITU-R SM.2351-2 on Smart Grid utility Management Systems* | [1A/378](https://www.itu.int/md/R15-WP1A-C-0378/en)  [5C/619](https://www.itu.int/md/R15-WP5C-C-0619/en)  [5D/1117](https://www.itu.int/md/R15-WP5D-C-1117/en) | 367R1 |
| **WP 6A** | Reply liaison statement to Working Party 6A – *WRC-19 agenda item 1.11* | [6A/477](https://www.itu.int/md/R15-WP6A-C-0477/en) | 374R1 |
| **ITU-T SG 16**  **ITU-T SG 17**  CCT  SCV  CCV | Liaison statement to ITU-T Study Groups 16 and 17 on the definition of “V2X” (copy to CCT, SCV and CCV) – *Definitions of radiocommunication abbreviations related to Intelligent Transport Systems* | [CCV/48](https://www.itu.int/md/R15-CCV-C-0048/en) | 353R1 |

# 4 Liaison statements from Working Party 5A to ITU-D and ITU-T groups

|  |  |  |  |
| --- | --- | --- | --- |
| Liaison to | Title/Subject | References | Source: 5A/TEMP/ |
| **WP 1A Rapporteur Group**  WP 5C  WP 5D (copy for information to others including  ITU-T SG 15) | Reply liaison statement to ITU-R Working Party 1A and the Rapporteur Group on the coexistence of wired telecommunication with radiocommunication systems (copy to Working Parties 5C and 5D) (copy for information to Working Parties 5B, 6A, 7A, 7B, 7C, 7D and ITU-T SG 15) – *Preliminary draft revision of Report ITU-R SM.2351-2 on Smart Grid utility Management Systems* | [1A/378](https://www.itu.int/md/R15-WP1A-C-0378/en)  [5C/619](https://www.itu.int/md/R15-WP5C-C-0619/en)  [5D/1117](https://www.itu.int/md/R15-WP5D-C-1117/en) | 367R1 |
| **ITU-T SG 2**  ITU-D SG 2 | Reply liaison statement to ITU-T Study Group 2 – Disaster relief systems | See [section 4.1](#_4.1_Reply_liaison) | 346R1 |
| **ITU-T SG 16**  **ITU-T SG 17**  CCT  SCV  CCV | Liaison statement to ITU-T Study Groups 16 and 17 on the definition of “V2X” (copy to CCT, SCV and CCV) – Definitions of radiocommunication abbreviations related to Intelligent Transport Systems | [CCV/48](https://www.itu.int/md/R15-CCV-C-0048/en) | 353R1 |

## 4.1 Reply liaison statement to ITU-T Study Group 2 (copy to ITU-D Study Group 2 for information) – *Disaster relief systems*

WP 5A thanks ITU-T Study Group (SG) 2 for the liaison statements in [5A/872](https://www.itu.int/md/R15-WP5a-C-0872/en) and [5A/873](https://www.itu.int/md/R15-WP5a-C-0873/en) related to SG 2’s work on management of disaster relief systems. Document 5A/872 provided WP 5A with the latest version of E.sup.fdr “Framework of disaster management for disaster relief systems” in SG2-TD416-R2/GEN, while 5A/873 provided E.td-dr “Terms and definitions for disaster relief systems, network resilience and recovery” in SG 2-TD414-R1/GEN.

WP 5A has reviewed the material in both liaison statements and would like to offer the attached extract of information from the [*Guide to the use of ITU-R texts relating to the land mobile service*](http://www.itu.int/dms_pub/itu-r/oth/0a/06/R0A060000010001MSWE.docx) for the consideration of ITU-T SG 2. Some of the information and documents in the list of ITU-R publications under the purview of WP 5A that are related to public protection and disaster relief may also be usefully referenced in the ITU-T publications.

Additionally, SG 2 may want to consider including a link or reference to the [ITU website on “Activities on Resolution **647 (Rev.WRC-15)** – *Emergency and disaster relief Radiocommunication*”](https://www.itu.int/en/ITU-R/information/Pages/res647.aspx), as well as Report [ITU-R M.2291](https://www.itu.int/pub/R-REP-M.2291), “The use of International Mobile Telecommunications (IMT) for public protection and disaster relief”, which is under the purview of WP 5D.

We would like to thank ITU-T Study Group 2 for this continuing collaboration on disaster relief and look forward to further opportunities to share information.

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| **Status:** For action, as appropriate | |
| **Contacts:** Ms. Amy Sanders  Dr. Hideo Imanaka for ITU-D SG 2 | **E-mails:** [asanders@ntia.doc.gov](mailto:asanders@ntia.doc.gov)  [hideo.imanaka@ntt-at.co.jp](mailto:hideo.imanaka@ntt-at.co.jp) |

**Attachment:** Excerpted material on PPDR from the [*Guide to the use of ITU-R texts relating to the land mobile service*](http://www.itu.int/dms_pub/itu-r/oth/0a/06/R0A060000010001MSWE.docx)

# 5 Liaison statements from Working Party 5A to external organizations[[2]](#footnote-2)

|  |  |  |  |
| --- | --- | --- | --- |
| Liaison to | Title/Subject | References | Source: 5A/TEMP/ |
| **APT, ASMG, ATU, CEPT, CITEL, RCC** | Update on the study progress and invitation for information on regional considerations regarding possible spectrum harmonization for RSTT | See [section 5.1](#_5.1_Liaison_statement) | 377R1 |
| **ETSI TC ERM,  ETSI ERM TG DMR, IEC, and TIA** | Draft revision of Recommendation ITU-R M.478-5 | See [section 5.2](#_5.2_Liaison_statement) | 371R1 |
| **WASN** External Organizations | Liaison statement to external organizations on the revision of Recommendation ITU-R M.1746-0 – *Harmonized frequency channel plans for the protection of property using data communication* | See [section 5.3](#_5.3_Liaison_statement) | 349R1 |
| **ITS** External Organizations | Liaison statement to external organizations on the revision of Recommendation ITU-R M.2084-0 – *Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communications for Intelligent Transport System applications* | See [section 5.4](#_5.4_Liaison_statement) | 366 |

## 5.1 Liaison statement to APT, ASMG, ATU, CEPT, CITEL and RCC – *Update on the study progress and invitation for information on regional considerations regarding possible spectrum harmonization for RSTT*

The twenty-first meeting of Working Party 5A (WP 5A) was held in Geneva from 5 to 15 November 2018. Studies related to WRC-19 AI 1.11 on railway radiocommunication systems between train and tracksides (RSTT) were continued.

At its November 2018 meeting:

– The draft new Report ITU-R M.[RSTT.USAGE] has been completed and submitted to Study Group 5 for approval. The Report has been subsequently approved by the Study Group 5 meeting on 19 November 2018.

– [Annex 8](https://www.itu.int/dms_pub/itu-r/md/15/wp5a/c/R15-WP5A-C-0976!N08!MSW-E.docx) to Document [5A/976](https://www.itu.int/md/R15-WP5A-C-0976/en) – Working document towards a preliminary draft new Recommendation ITU-R M.[RSTT\_FRQ] –*Harmonization of frequency bands for railway radiocommunication systems between train and trackside has been improved*.

Annex 1 of the above working document towards a preliminary draft new Recommendation ITU R M.[RSTT\_FRQ] lists possible frequency bands currently provided for consideration for spectrum harmonization for RSTT as generated on the basis of information provided by administrations from three ITU-R Regions.

WP 5A would therefore like to invite the Regional Organizations to provide information on the frequency bands that they are considering for possible spectrum harmonization within the existing mobile service allocations to support RSTT.

WP 5A plans to finalize the work on the above document at the next WP 5A meeting, and kindly seeks input from Regional Organizations before 22nd April 2019, 16:00 hours (UTC).

WP 5A looks forward to ongoing collaboration with the Regional Organizations on RSTT.

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| **Status:** For information and action |  |
| **Contact:** Sergio Buonomo Counsellor ITU-R SG 5 | **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int) |

## 5.2 Liaison statement to External Organizations[[3]](#footnote-3) on the draft revision of Recommendation ITU-R M.478-5

At its November 2018 meeting, ITU-R WP 5A received an input contribution [5A/598](https://www.itu.int/md/R15-WP5A-C-0598/en) to begin the revision of Recommendation [ITU-R M.478-5](https://www.itu.int/rec/R-REC-M.478/en), “Technical characteristics of equipment and principles governing the allocation of frequency channels between 25 and 3 000 MHz for the FM land mobile service”. The meeting began the discussion of updating the Recommendation to reflect recent developments in the market.

WP 5A invites external organizations to submit updated information regarding technical characteristics for relevant systems, and will consider the input contribution at its next meeting.

The next meeting of ITU-R WP 5A is scheduled for 29 April-5 May 2019 and the deadline for submission of contributions for that meetings is 16:00 hours UTC, 22 April 2019.

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| --- | --- |
| **Status:** For action, if appropriate |  |
| **Contact:** Sergio Buonomo Counsellor ITU-R SG 5 | **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int) |

## 5.3 Liaison statement to external organizations[[4]](#footnote-4) on the revision of Recommendation ITU-R M.1746-0 – *Harmonized frequency channel plans for the protection of property using data communication*

At its May 2018 meeting, ITU-R WP 5A initiated the revision of Recommendation [ITU-R M.1746-0](https://www.itu.int/rec/R-REC-M.1746/en), “Harmonized frequency channel plans for the protection of property using data communication”. The meeting began with editorial updating of the main body of the Recommendation to reflect recent developments in the ITU. The current draft revision is attached for reference.

At the November 2018 meeting, it was proposed that inclusion of the technical and operational characteristics of these systems would increase the utility of the Recommendation. Therefore, WP 5A seeks input from the relevant external organizations for material to be included in a new Annex to the Recommendation.

WP 5A invites external organizations to submit technical and operational characteristics and relevant standards for these systems for consideration at its next meeting 29 April – 9 May 2019. The deadline for submission of contributions is prior to 16:00 (UTC) on 22 April 2019.

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| --- | --- |
| **Status:** For action, if appropriate |  |
| **Contact:** Sergio Buonomo Counsellor ITU-R SG 5 | **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int) |

**Attachment:** [Annex 20](https://www.itu.int/dms_pub/itu-r/md/15/wp5a/c/R15-WP5A-C-0844!N20!MSW-E.docx) of Document [5A/844](https://www.itu.int/md/R15-WP5A-C-0844/en), *Preliminary draft revision of Recommendation ITU-R M.1746, “Harmonized frequency channel plans for the protection of property using data communication”*

## 5.4 Liaison statement to external organizations[[5]](#footnote-5) on the revision of Recommendation ITU-R M.2084-0 – *Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communications for Intelligent Transport System applications*

On the previous liaison statement, WP 5A had informed external organizations that ITU was working on finalizing the revision of Recommendation [ITU-R M.2084-0](https://www.itu.int/rec/R-REC-M.2084/en) “Radio interface standards of vehicle-to-vehicle and vehicle to-infrastructure communications for Intelligent Transport System applications”.

At its November 2018 meeting, WP 5A noted that there are still requests from some external organizations to allow more time for providing further inputs of their standards and technical specifications. After further considerations, WP 5A agreed that the finalization of the draft revision of Recommendation ITU-R M.2084 be left to its next WP 5A meeting from 29th April to 9th May 2019. The current draft revised version of Recommendation ITU-R M.2084 is attached for reference.

WP 5A invites external organizations to submit updated information, if any, on technical standards, including the hyperlink information in association with the standards material provided. WP 5A will consider the input contributions at its next meeting from 29th April to 9th May 2019. The deadline for submission of contributions is prior to 16:00 hours (UTC) on 22 April 2019.

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| --- | --- |
| **Status:** For action |  |
| **Contact:** Sergio Buonomo Counsellor ITU-R SG 5 | **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int) |

**Attachment:** [Annex 22](https://www.itu.int/dms_pub/itu-r/md/15/wp5a/c/R15-WP5A-C-0976!N22!MSW-E.docx) of Document [5A/976](https://www.itu.int/md/R15-WP5A-C-0976/en) (Chairman´s Report), *Preliminary draft revision of Recommendation ITU-R M.2084-0: “Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communications for Intelligent Transport System applications”*

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1. Bold font indicates the primary recipients; “copy to” the others. [↑](#footnote-ref-1)
2. See section 4 in [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R15-WP5A-C-0976N01!MSW-E) to Doc. [5A/976](https://www.itu.int/md/R15-WP5A-C-0976/en). [↑](#footnote-ref-2)
3. ETSI TC ERM, ETSI ERM TG DMR, IEC, and TIA. [↑](#footnote-ref-3)
4. 3GPP, ARIB, ATIS, CEPT ECC WG FM, ETSI TC ERM, GSA, IEEE, TIA, TTA, 3GPP RAN, 3GPP2, ETSI, ETSI ERM-TG28, IEC TC 65, ISO/IEC JTC 1 SC 31 WG 6, ISO/IEC JTC 1 WG 7, TIA TR-45, TIA TR-45.3, TIA TR-45.5, WGA, and XGP Forum. [↑](#footnote-ref-4)
5. 3GPP, 5G Automotive Association, 79 GHz Project, ARIB, ATIS, AWG, C2C-CC, CCSA, CEPT ECC CPG, CEPT ECC WG FM, C-Roads, 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, and Wi-Fi Alliance. [↑](#footnote-ref-5)