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| **Radiocommunication Study Groups** |  |
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|  | **Annex 2 to Document 5A/306-E** |
| **11 June 2013** |
| **English only** |
| Annex 2 to Working Party 5A Chairman’s Report | |
| consolidation of TEXTS APPROVED BY working party 5a | |
|  | |

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[ATTACHMENT 1 TO ANNEX 2 – Response to the ICT Sectorial Consultation  
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# 1 Documents approved by Working Party 5A

The list of texts that are the responsibility of WP 5A has been updated in line with [Doc. 5/2(Rev.1)](http://www.itu.int/md/R12-SG05-C-0002), 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=R12-WP5A-C-0306!N01!MSW-E)).

The guide to the use of ITU-R texts related to the land mobile service including wireless access in the fixed service was updated and the current version is available on the WP 5A webpage: <http://www.itu.int/ITU-R/go/rwp5a/en>.

WP 5A approved a response to the request from the ITU Secretary General on the ICT Sectorial Consultation on the Role of ICTs to promote the inclusion of persons with disabilities (see [Attachment 1](#app1)).

At its eleventh meeting WP 5A approved for submission to Study Group 5 one draft new Report. See Section [2](#s2) below.

At its eleventh meeting WP 5A approved 22 liaison statements to other groups. See Sections [3](#s3), [4](#s4), [5](#s5) and [6](#s6) below.

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

## 2.1 Draft revised and new Recommendations proposed for the Procedure for Simultaneous Adoption and Approval (PSAA)

• None

### 2.2 Draft new Report

Working Party 5A proposes the following draft new Report for consideration for approval by SG 5.

• Draft new Report ITU-R M.[5 MHz CHAR] - Characteristics of amateur radio stations in the range 5 250-5 450 kHz for sharing studies – [Doc. 5/54](http://www.itu.int/md/R12-SG05-C-0054)

## 2.3 Proposed suppression of Recommendations and Reports

Working Party 5A is considering proposing the suppression of the following Recommendations and Reports and a final decision will be made at the 12th meeting of WP 5A (18-28 November 2013).

[Recommendation ITU-R M.1740](http://www.itu.int/rec/R-REC-M.1740/en) (2006) “Guide to the application of ITU-R texts related to the amateur and amateur-satellite services” (to be replaced by a document on the ITU-R WP 5A web page).

[Recommendation ITU-R M.1222](http://www.itu.int/rec/R-REC-M.1222/en) (1997) “Transmission of data messages on shared private land mobile radio channels” (not required after the approval of [Report ITU-R M.2014-2](http://www.itu.int/publ/R-REP-M.2014)).

[Report ITU-R M.741](http://www.itu.int/publ/R-REP-M.741) (1990) “Multi-channel land mobile systems for dispatch traffic (with or without PSTN interconnection)” (not required after the approval of [Report ITU-R M.2014-2](http://www.itu.int/publ/R-REP-M.2014)).

[Report ITU-R M.901](http://www.itu.int/publ/R-REP-M.901) (1990) “Frequency assignment methods for trunked mobile radio systems” (not required after the approval of [Report ITU-R M.2014-2](http://www.itu.int/publ/R-REP-M.2014)).

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

| **Liaison to** | **Title/Subject** | **Document number** | **Source: 5A/TEMP/** |
| --- | --- | --- | --- |
| **1A/99**  **1C/71**  **5D/322**  ITU-T SG 5  ITU-T SG 9 | WP 5A, WP 5B and WP 5C joint liaison statement to  ITU-R Working Party 1A and ITU-T Study Groups 5 & 9 (copy to ITU-R Working Parties 1C and 5D for information) Coexistence of wired and wireless communications systems - revision of Recommendation ITU-T K.60 | [1A/99](http://www.itu.int/md/R12-WP1A-C-0099)  [1C/71](http://www.itu.int/md/R12-WP1A-C-0099)  [5D/322](http://www.itu.int/md/R12-WP1A-C-0099) | 135R1 |
| **JTG 4-5-6-7**  **WP 1A**  **WP 3K**  **WP 3M**  **WP 4A**  **WP 4B**  **WP 4C**  **WP 5B**  **WP 5C**  **WP 5D**  **WP 6A**  **WP 7B**  **WP 7C**  **WP 7D** | Liaison statement to Joint Task Group 4-5-6-7  (copy for information to Working Parties 4A, 4B, 4C, 5B, 5C, 5D, 6A, 7B, 7C, 7D, 1A, 3K, and 3M) – Reply liaison statement on spectrum requirements for terrestrial mobile broadband (excluding IMT) related to WRC-15 Agenda item 1.1 | [1A/103](http://www.itu.int/md/R12-WP1A-C-0103)  [3K/49](http://www.itu.int/md/R12-WP1A-C-0103)  [3M/84](http://www.itu.int/md/R12-WP1A-C-0103)  [4A/245](http://www.itu.int/md/R12-WP1A-C-0103)  [4B/98](http://www.itu.int/md/R12-WP1A-C-0103)  [4C/177](http://www.itu.int/md/R12-WP1A-C-0103)  [4-5-6-7/137](http://www.itu.int/md/R12-WP1A-C-0103)  [5B/309](http://www.itu.int/md/R12-WP1A-C-0103)  [5C/174](http://www.itu.int/md/R12-WP1A-C-0103)  [5D/329](http://www.itu.int/md/R12-WP1A-C-0103)  [6A/271](http://www.itu.int/md/R12-WP1A-C-0103)  [7B/164](http://www.itu.int/md/R12-WP1A-C-0103)  [7C/137](http://www.itu.int/md/R12-WP1A-C-0103)  [7D/63](http://www.itu.int/md/R12-WP1A-C-0103) | 105R1 |
| **WP 1A**  **WP 1C**  **WP 5D**  **WP 6A**  ITU-T SG 15 | WP 5A, WP 5B and WP 5C joint liaison statement to ITU‑R Working Party 1A and ITU-T Study Group 15  (copy to ITU-R Working Parties 1C, 5D and 6A for information) Coexistence of wired and wireless communications systems – further developments on recommendation ITU-T G.FAST | [1A/97](http://www.itu.int/md/R12-WP1A-C-0097) [1C/70](http://www.itu.int/md/R12-WP1A-C-0097) [5D/321](http://www.itu.int/md/R12-WP1A-C-0097) [6A/268](http://www.itu.int/md/R12-WP1A-C-0097) | 144R1 |
| **WP 1A WP 1B WP 5B WP 5C WP 6A** ITU-D SG 1 ITU-D SG 2 ITU-T FG-AVA ITU-T SG 2 ITU-T SG 16 JCA-AHF ETSI ERM TG 17 | Liaison statement to Working Party 5B, ITU-T SG 16, and ITU-T JCA-AHF (copy for information to ITU-R WPs 1A, 1B, 5C and 6A, ITU-T FG-AVA, ITU-T SG 2, ITU-D SGs 1 and 2, and ETSI ERM TG 17) Draft revision of Recommendation ITU-R M.1076 “Wireless communication systems for persons with impaired hearing” | [1A/100](http://www.itu.int/md/R12-WP1A-C-0100) [1B/86](http://www.itu.int/md/R12-WP1A-C-0100) [5B/305](http://www.itu.int/md/R12-WP1A-C-0100) [5C/172](http://www.itu.int/md/R12-WP1A-C-0100) [6A/270](http://www.itu.int/md/R12-WP1A-C-0100) | 111R1 |
| **WP 1A WP 3L WP 4C WP 5D WP 6A WP 7C WP 7D** ITU-T SG 5 ITU-T SG 9 ITU-T SG 15 | Liaison statement to ITU-R Working Party 1A and ITU-T SG 9 (copied for information to ITU-T Study Groups 5 and 15, and ITU R Working Parties 3L, 4C, 5D, 6A, 7C and 7D) – Impact from wired telecommunication (including PLT) on radiocommunication systems | [1A/98](http://www.itu.int/md/R12-WP1A-C-0098) [3L/42](http://www.itu.int/md/R12-WP1A-C-0098) [4C/176](http://www.itu.int/md/R12-WP1A-C-0098) [5D/323](http://www.itu.int/md/R12-WP1A-C-0098) [6A/269](http://www.itu.int/md/R12-WP1A-C-0098) [7C/133](http://www.itu.int/md/R12-WP1A-C-0098) [7D/62](http://www.itu.int/md/R12-WP1A-C-0098) | 136R1 |
| **WP 4A** | Liaison statement to Working Party 4A- WRC-15 Agenda item 1.6 | [4A/246](http://www.itu.int/md/R12-WP4A-C-0246/en) | 121 |
| **WP 5B** | Liaison statement to Working Party 5B - Technical characteristics of land mobile systems in the frequency bands 10.95-12.75 GHz, 14.0-14.5 GHz, 17.3-20.2 GHz and 27.5-30.0 GHz | [5B/310](http://www.itu.int/md/R12-WP5B-C-0310/en) | 140 |
| **WP 5B WP 5C WP 3L** | Liaison statement to Working Parties 5B and 5C (copy for information to Working Party 3L) - WRC-15 Agenda item 1.4 - Status of studies and draft CPM text for WRC-15 Agenda item 1.4 | [5B/311](http://www.itu.int/md/R12-WP5B-C-0311) [5C/175](http://www.itu.int/md/R12-WP5B-C-0311) [3L/43](http://www.itu.int/md/R12-WP5B-C-0311) | 137 |
| **WP 5C** | WP 5A and WP 5B reply liaison statement to Working Party 5C - Fixed service information for the 71-76 GHz and 81-86 GHz bands | [5C/173](http://www.itu.int/md/R12-WP5C-C-0173) | 129R1 |
| **WP 5C** | Liaison statement to Working Party 7C - WRC-15 Agenda item 1.12 | [7C/138](http://www.itu.int/md/R12-WP7C-C-0138/en) | 126 |
| **WP 5D** | Liaison statement to Working Party 5D - Response from Working Party 5A to the ICT Sectoral Consultation on the role of ICTs to promote the inclusion of persons with disabilities | [5D/328](http://www.itu.int/md/R12-WP5D-C-0328) | 123 |
| **WP 5D** | WP 5A and WP 5C liaison statement to Working Party 5D - Applicability of the sectoral antenna pattern approximations in Recommendation ITU-R F.1336-3 | [5D/330](http://www.itu.int/md/R12-WP5D-C-0330) | 131R1 |
| **WP 5D** ITU-D SG 2 ITU-T SG 5 | Liaison statement to ITU-T Study Group 5 (Q14/5) (copy to ITU-D Study Group 2 and ITU-R Working Party 5D for information) - Use of spectrum and radio technology low cost sustainable telecommunication infrastructure for rural communications in developing countries | [5D/331](http://www.itu.int/md/R12-WP5D-C-0331) | 124R1 |
| **WP 7B** | Liaison statement to Working Party 7B - WRC-15 Agenda item 1.13 | [7B/165](http://www.itu.int/md/R12-WP7B-C-0165/en) | 125 |

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source: 5A/TEMP/** |
| --- | --- | --- | --- |
| WP 1A  WP 1B  WP 5B  WP 5C  WP 6A  **ITU-D SG 1**  **ITU-D SG 2**  ITU-T FG-AVA  ITU-T SG 2  ITU-T SG 16  JCA-AHF  ETSI ERM TG 17 | Liaison statement to Working Party 5B, ITU-T SG 16, and ITU-T JCA-AHF (copy for information to ITU‑R WPs 1A, 1B, 5C and 6A, ITU-T FG-AVA, ITU-T SG 2, ITU-D SGs 1 and 2, and ETSI ERM TG 17) Draft revision of Recommendation ITU-R M.1076 “Wireless communication systems for persons with impaired hearing” | [1A/100](http://www.itu.int/md/R12-WP1A-C-0100)  [1B/86](http://www.itu.int/md/R12-WP1A-C-0100)  [5B/305](http://www.itu.int/md/R12-WP1A-C-0100)  [5C/172](http://www.itu.int/md/R12-WP1A-C-0100)  [6A/270](http://www.itu.int/md/R12-WP1A-C-0100) | 111R1 |
| WP 5D  **ITU-D SG 2**  ITU-T SG 5 | Liaison statement to ITU-T Study Group 5 (Q14/5) (copy to ITU-D Study Group 2 and ITU-R Working Party 5D for information) - Use of spectrum and radio technology low cost sustainable telecommunication infrastructure for rural communications in developing countries | [5D/331](http://www.itu.int/md/R12-WP5D-C-0331) | 124R1 |
| **ITU-D SG 2** | WP 5A and WP 5C liaison statement to ITU-D Study Group 2 (Question 22-1/2) - Preliminary draft revision of Recommendation ITU-R F.1105-2 - Fixed wireless systems for disaster mitigation and relief operations | [Section 4.1](#s41) below | 130R1 |

### 4.1 WP 5A and WP 5C liaison statement to ITU-D Study Group 2 (Question 22-1/2) - Preliminary draft revision of Recommendation ITU-R F.1105-2 - Fixed wireless systems for disaster mitigation and relief operations

ITU-R Working Parties 5A and 5C would like to inform ITU-D Study Group 2 that at our May 2013 meeting we have started the revision work of Recommendation ITU-R F.1105-2, “Fixed wireless systems for disaster mitigation and relief operations”.

The main point of the revision made at the above meeting was to add systems of transportable mobile backhaul links, which are interoperable with a transportable mobile base station in a vehicle, as shown in the Attachment.

Since Question 22-1/2 of ITU-D, Utilization of telecommunications/ICT for disaster preparedness, mitigation and response, has some relevance to this Recommendation. Working Parties 5A and 5C will keep ITU-D Study Group 2 informed of the progress of the revision work.

**Status:** For information

**Contact:**  Amy L. Sanders **E-mail:** [amy.sanders@alcatel-lucent.com](mailto:amy.sanders@alcatel-lucent.com)

**Attachment:** [Annex 14](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5C-C-0171!N14!MSW-E) to [Document 5C/171](http://www.itu.int/md/R12-WP5C-C-0171/en)

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

| **Liaison to** | | **Title/Subject** | **Reference** | **Source: 5A/TEMP/** |
| --- | --- | --- | --- | --- |
| WP 1A  WP 1C  WP 5D  WP 6A  **ITU-T SG 15** | WP 5A, WP 5B and WP 5C joint liaison statement to ITU-R Working Party 1A and ITU-T Study Group 15  (copy to ITU-R Working Parties 1C, 5D and 6A for information) Coexistence of wired and wireless communications systems – further developments on recommendation ITU-T G.FAST | [1A/97](http://www.itu.int/md/R12-WP1A-C-0097) [1C/70](http://www.itu.int/md/R12-WP1A-C-0097) [5D/321](http://www.itu.int/md/R12-WP1A-C-0097) [6A/268](http://www.itu.int/md/R12-WP1A-C-0097) | 144R1 |
| WP 5D  ITU-D SG 2  **ITU-T SG 5** | Liaison statement to ITU-T Study Group 5 (Q14/5) (copy to ITU-D Study Group 2 and ITU-R Working Party 5D for information) - Use of spectrum and radio technology low cost sustainable telecommunication infrastructure for rural communications in developing countries | [5D/331](http://www.itu.int/md/R12-WP5D-C-0331) | 124R1 |
| WP 1A  WP 1B  WP 5B  WP 5C  WP 6A  ITU-D SG 1  ITU-D SG 2  **ITU-T FG-AVA**  **ITU-T SG 2**  **ITU-T SG 16**  **JCA-AHF**  ETSI ERM TG 17 | Liaison statement to Working Party 5B, ITU-T SG 16, and ITU-T JCA-AHF (copy for information to ITU-R WPs 1A, 1B, 5C and 6A, ITU-T FG-AVA, ITU-T SG 2, ITU-D SGs 1 and 2, and ETSI ERM TG 17) Draft revision of Recommendation ITU-R M.1076 “Wireless communication systems for persons with impaired hearing” | [1A/100](http://www.itu.int/md/R12-WP1A-C-0100)  [1B/86](http://www.itu.int/md/R12-WP1A-C-0100)  [5B/305](http://www.itu.int/md/R12-WP1A-C-0100)  [5C/172](http://www.itu.int/md/R12-WP1A-C-0100)  [6A/270](http://www.itu.int/md/R12-WP1A-C-0100) | 111R1 |
| 1A/99  1C/71  5D/322  **ITU-T SG 5**  **ITU-T SG 9** | WP 5A, WP 5B and WP 5C joint liaison statement to ITU-R Working Party 1A and ITU-T Study Groups 5 & 9 (copy to ITU-R Working Parties 1C and 5D for information) Coexistence of wired and wireless communications systems - revision of Recommendation ITU-T K.60 | [1A/99](http://www.itu.int/md/R12-WP1A-C-0099)  [1C/71](http://www.itu.int/md/R12-WP1A-C-0099)  [5D/322](http://www.itu.int/md/R12-WP1A-C-0099) | 135R1 |
| WP 1A  WP 3L  WP 4C  WP 5D  WP 6A  WP 7C  WP 7D  **ITU-T SG 5**  **ITU-T SG 9**  **ITU-T SG 15** | WP 5A, WP 5B and WP 5C liaison statement to ITU-R Working Party 1A and ITU-T SG 9 (copied for information to ITU-T Study Groups 5 and 15, and ITU R Working Parties 3L, 4C, 5D, 6A, 7C and 7D) – Impact from wired telecommunication (including PLT) on radiocommunication systems | [1A/98](http://www.itu.int/md/R12-WP1A-C-0098)  [3L/42](http://www.itu.int/md/R12-WP1A-C-0098)  [4C/176](http://www.itu.int/md/R12-WP1A-C-0098)  [5D/323](http://www.itu.int/md/R12-WP1A-C-0098)  [6A/269](http://www.itu.int/md/R12-WP1A-C-0098)  [7C/133](http://www.itu.int/md/R12-WP1A-C-0098)  [7D/62](http://www.itu.int/md/R12-WP1A-C-0098) | 136R1 |
| **JCA-AHF**  **FG-AVA** | Liaison statement to ITU-T JCA-AHF on nomination of JCA-AHF representatives (copy to the JCA-AHF Secretariat) | [Section 5.1](#s51) below | 119 |

### 5.1 Liaison statement to ITU-T JCA-AHF on nomination of JCA-AHF representatives (copy to the JCA-AHF Secretariat)

Working Party 5A thanks ITU-T JCA-AHF for the liaison statement in Document [5A/287](http://www.itu.int/md/R12-WP5A-C-0287/en) requesting the nomination of representatives for the Joint Coordination Activity on Accessibility and Human Factors (JCA-AHF).

Working Party 5A is pleased to appoint Mr. Brian Copsey as the Liaison Rapporteur on the JCA-AHF. He should be able to assist in identifying Working Party 5A work, issues, activities, and completed outputs related to accessibility and human factors that may assist the JCA AHF in its coordination role.

**Contact:** Brian Copsey **Email:** [bc@copsey-comms.com](mailto:bc@copsey-comms.com)

# 6 Liaison statements from Working Party 5A to external organizations[[1]](#footnote-1)

| **Liaison to** | **Title/Subject** | **Reference** | **Source: 5A/TEMP/ ...** |
| --- | --- | --- | --- |
| BWA External Organizations | Liaison statement to BWA external organizations – The work for revision of Recommendation - Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz | [Section 6.1](#s61) below | 103R1 |
| BWA and RLAN External Organizations | Liaison statement to BWA and RLAN external organizations - Revision of Recommendation ITU-R M.1450-4 - Characteristics of broadband radio local area networks | [Section 6.2](#s62) below | 108 |
| MGWS External Organizations | Liaison statement to external organizations on the work for revision of Recommendation ITU-R M.2003 and Report ITU-R M.2227 - Multiple gigabit wireless systems in frequencies around 60 GHz | [Section 6.3](#s63) below | 110R1 |
| PPDR External Organizations | Liaison statement to external organizations on the technologies for public protection and disaster relief communications associated with work on WRC-15 Agenda item 1.3 | [Section 6.4](#s64) below | 132 |
| ETSI | Liaison statement to European Telecommunication Standards Institute (ETSI) on the work toward a preliminary draft new Recommendation ITU-R M.[V2X] - Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communication for intelligent transport systems applications | [Section 6.5](#s65) below | 133R1 |
| CRS External Organizations | Liaison statement to CRS External Organizations on working document towards a preliminary draft new Report ITU-R [LMS.CRS2] | [Section 6.6](#s66) below | 145R1 |
| WP 1A WP 1B WP 5B WP 5C WP 6A ITU-D SG 1 ITU-D SG 2 ITU-T FG-AVA ITU-T SG 2 **ETSI ERM TG 17** JCA-AHF | Liaison statement to Working Party 5B, ITU-T SG 16, and ITU-T JCA-AHF (copy for information to ITU-R WPs 1A, 1B, 5C and 6A, ITU-T FG-AVA, ITU-T SG 2, ITU-D SGs 1 and 2, and ETSI ERM TG 17) Draft revision of Recommendation ITU-R M.1076 “Wireless communication systems for persons with impaired hearing” | [1A/100](http://www.itu.int/md/R12-WP1A-C-0100) [1B/86](http://www.itu.int/md/R12-WP1A-C-0100) [5B/305](http://www.itu.int/md/R12-WP1A-C-0100) [5C/172](http://www.itu.int/md/R12-WP1A-C-0100) [6A/270](http://www.itu.int/md/R12-WP1A-C-0100) | 111R1 |

### 6.1 Liaison statement to BWA external organizations the work for revision of Recommendation - Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz

ITU-R Working Party 5A is now working on a revision of Recommendation ITU-R F.1763 "Radio interface standards for broadband wireless access systems in the fixed service operating below 66 GHz".

Discussion was held based on the inputs received at the May 2013 meeting. As a result, a working document was prepared as attached to this liaison statement.

Since ITU-R Working Party 5A is planning to finalize the above work at its next meeting in November 2013, your organization is kindly requested to provide input, as appropriate on the attached Working document towards a preliminary draft revision of this Recommendation.

The next meeting of Working Party 5A is scheduled for 18-29 November 2013 and the deadline for submission of contributions is 16:00 hours UTC, 11 November 2013.

**Status:** For action

**Contact:** Sergio Buonomo **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int)

Counsellor, ITU-R Study Group 5

**Attachment:** Working document towards a preliminary draft revision of Recommendation ITU-R F.1763: [Annex 16](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N16!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

## 6.2 Liaison statement to BWA and RLAN external organizations - Revision of Recommendation ITU-R M.1450-4 - Characteristics of broadband radio local area networks

ITU-R Working Party 5A kindly thanks external organizations for input contributions to the work on a draft revision of Recommendation ITU-R [M.1450-4](http://www.itu.int/rec/R-REC-M.1450-4-201004-I/en). At its May 2013 meeting, ITU‑R Working Party 5A has progressed its work on this Recommendation based on these input contributions and has prepared a preliminary draft revision of Recommendation ITU-R M.1450-4 (see attachment).

The objective of ITU-R Working Party 5A is to complete the draft revision of Recommendation ITU-R M.1450-4 at its next meeting on 18-29 November 2013. The deadline for submission of contributions is 16:00 hours UTC, 11 November 2013.

**Contact:** Sergio Buonomo **Email:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int)

Counsellor, ITU-R Study Group 5

**Attachment:** Preliminary draft revision of Recommendation ITU-R M.1450-4 “Characteristics of broadband radio local area networks”: [Annex 15](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N15!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

## 6.3 Liaison statement to external organizations on the work for revision of Recommendation ITU-R M.2003 and Report ITU-R M.2227 - Multiple gigabit wireless systems in frequencies around 60 GHz

At its eleventh meeting held in May 2013, ITU-R Working Party 5A initiated the revision process for the update of Recommendation ITU-R M.2003, Multiple Gigabit Wireless Systems (MGWS) in frequencies around 60 GHz, and its companion Report ITU-R M.2227. Recommendation   
ITU-R M.2003 provides general characteristics and radio interface standards for Multiple Gigabit Wireless Systems in frequencies around 60 GHz. Report ITU-R M.2227 provides further details on applications, deployment scenarios, technical characteristics and overview of specifications covering MGWS in frequencies around 60 GHz.

ITU-R Working Party 5A created two working documents for draft revision of the above-mentioned Report and Recommendation, electronically attached to this liaison statement, which your organization is kindly asked to provide comments upon, as appropriate.

The next meeting of Working Party 5A is scheduled for 18-29 November 2013 and the deadline for submission of contributions is 16:00 hours UTC, 11 November 2013.

**Status:** For action

**Contact:** Sergio Buonomo **E-mail:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int)

Counsellor, ITU-R Study Group 5

**Attachment 1:** Working document towards a draft revision of Recommendation ITU-R M.2003: [Annex 17](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N17!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

**Attachment 2:** Working document towards a draft revision of Report ITU-R M.2227: [Annex 18](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N18!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

## 6.4 Liaison statement to external organizations on the technologies for public protection and disaster relief communications associated with work on WRC-15 Agenda item 1.3

Agenda item 1.3 calls on WRC-15 to review and revise Resolution **646** **(Rev.WRC-12)** for broadband public protection and disaster relief (PPDR), in accordance with Resolution **648 (WRC‑12)**.

As part of its work on reviewing the associated Reports and Recommendations, Working Party 5A (WP 5A) is considering how the evolution in technology has met the requirements of PPDR organisations and their envisioned PPDR applications and technologies.

Working Party 5A invites external organizations to provide information on technologies to support the PPDR systems. Some of the applications needed by PPDR organisations are included in Table 2 of Annex 2, “Radiocommunication requirements for public protection and disaster relief”, in Report ITU-R [M.2033](http://www.itu.int/pub/R-REP-M.2033). As the requirements for PPDR systems and applications are revised, WP 5A may come back to your organization for additional information.

In order to ensure consideration of their views, external organizations are encouraged to submit contributions to the scheduled 18-29 November 2013 meeting, the deadline for submission of contributions is 16:00 hours UTC, 11 November 2013.

**Contact:** Sergio Buonomo **Email:** [sergio.buonomo@itu.int](mailto:sergio.buonomo@itu.int)

Counsellor, ITU-R Study Group 5

## 6.5 Liaison statement to European Telecommunication Standards Institute (ETSI) on the work toward a preliminary draft new Recommendation ITU-R M.[V2X] - Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communication for intelligent transport systems applications

At its eleventh meeting held in May 2013, ITU-R Working Party 5A initiated the development work toward a new recommendation on vehicle-to-vehicle and vehicle-to-infrastructure (V2X) communication.

The work is expected to recommend specific radio interface standards of V2X communication for intelligent transport systems (ITS) applications.

ITU-R Working Party 5A created a working document toward a preliminary draft new Recommendation ITU-R M.[V2X], electronically attached to this liaison statement, which Technical Committee ITS in your organization is kindly asked to provide a contribution and comments upon, as appropriate.

The next meeting of Working Party 5A is scheduled for 18-29 November 2013 and the deadline for submission of contributions is 16:00 hours UTC, 11 November 2013.

**Status:** For action

**Contact:** Sergio Buonomo E-mail: [Sergio.buonomo@itu.int](mailto:Sergio.buonomo@itu.int)

[Annex 25](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N25!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en): Working document toward a preliminary draft new Recommendation ITU-R M.[V2X] “Radio interface standards of vehicle-to-vehicle and vehicle-to-infrastructure communication for intelligent transport systems applications”

## 6.6 Liaison statement to CRS External Organizations on working document towards a preliminary draft new Report ITU-R [LMS.CRS2]

At its eleventh meeting held in May 2013, ITU-R Working Party 5A (WP 5A) made progress on the working document toward a preliminary draft new Report on Cognitive Radio Systems (CRS).   
WP 5A plans to finalize the development of the working document during its November 2013 meeting. WP 5A invites the External Organizations to review and provide comments to the working document, as appropriate. WP 5A is interested in receiving input that is relevant to the work within the External Organizations.

A copy of the working document is electronically attached to this liaison statement. Please provide your inputs to the contact given below for consideration at the next meeting of Working Party 5A 18-29 November 2013. The deadline for contributions is 11 November 2013.

**Status:** For action

**Contact:** Sergio Buonomo E-mail: [Sergio.buonomo@itu.int](mailto:Sergio.buonomo@itu.int)

Counsellor, ITU-R Study Group 5

[Annex 26](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N26!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en): Working document towards a preliminary draft new Report ITU-R [LMS.CRS2] [Cognitive radio systems [(CRS) applications] in the land mobile service.

ATTACHMENT 1 TO ANNEX 2

Response to the ICT Sectorial Consultation on the Role of ICTs to   
Promote the Inclusion of Persons with Disabilities

(Source: Document 5A/TEMP/117)

The ICT opportunity

– How is the use of information and communication technologies (ICTs) – in particular radio-communication services – facilitating the social and economic inclusion of persons with disabilities? Would you have concrete examples from your country or region?

Smartphone manufacturers offer a variety of accessibility solutions designed to improve the ways in which mobile technology addresses the unique sensory, physical and cognitive needs of customers with disabilities. Customers can select from a variety of smartphone models rated for hearing aid compatibility; enjoy closed-captioned multimedia content; use face-to-face video chat applications to communicate via sign language; access content non-visually through screen reading applications; customize alert settings to use a combination of audible (ring tones), visual (LED light) and tactile (vibration) alerts; and take advantage of voice-commands, adjustable font sizes, predictive text and a range of other innovative features, accessories, and third-party applications.

During ISACC [45th Plenary](http://www.isacc.ca/isacc/english/meetings/archived_plenary/?plenary_45) in May 2011, an outline of some areas of opportunity provided by ICT products were presented, including specific solutions designed for customers with disabilities such as deaf, hard of hearing, low vision, blind, speech, cognitive, and mobility ([ISACC-11-45301](http://www.isacc.ca/isacc/_doc/ArchivedPlenary/ISACC-11-45301.pdf)[[2]](#footnote-2)).

Working Party 5A is undertaking a revision of Recommendation ITU-R M.1076 (1994), “Wireless communication systems for persons with impaired hearing”, as proposed by ITU-T FG-AVA. Working Party 5A agreed to undertake the revision effort to reflect changes in the technical characteristics of wireless aids for hearing impaired people since the Recommendation was developed in 1994. A working document towards a draft revision of Recommendation ITU-R M.1076 is contained in [Annex 13](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N13!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en)*.*

It has been noted that wireless systems for hearing impaired users should be applicable worldwide, for instance at airports, train stations, theatres, churches, etc.

Furthermore, this activity may need to be extended in the future (on the basis of input contributions and proposals) to include wireless connections between special personal devices such as video cameras, health monitoring devices, wheelchair control devices, and a variety of input devices including tactile, sight and voice activated, among others. This can be accomplished by means of a wireless personal communications network using standards and frequencies such as those described in Recommendation ITU-R M.1450 “Characteristics of broadband radio local area networks”, currently being updated by WP 5A, see [Annex 15](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N15!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

Another area of work within WP 5A where the requirements for persons with disabilities need to be considered is Intelligent Transport Systems (ITS), which are defined as systems utilizing the combination of computers, communications, positioning, and automotion technologies to improve the safety, management, and efficiency of terrestrial transportation. Recommendation ITU‑R [M.1890](http://www.itu.int/rec/R-REC-M.1890) provides the objectives and radio requirements of ITS. This Recommendation establishes a framework or foundation for subsequent studies and output that are technology (such as DSRC, collision avoidance radar, or ITS millimetre wave radiocommunication) or application specific. Dedicated Short Range Communications (DSRC), a fundamentally unique application to ITS, uses non-voice radiocommunication techniques to transfer data over short distances between a roadside infrastructure and mobile units. Recommendation ITU-R [M.1453-2](http://www.itu.int/rec/R-REC-M/recommendation.asp?lang=en&parent=R-REC-M.1453) describes the technical and operational characteristics of DSRC for ITS applications in the 5 725-5 875 MHz (centre frequency 5.8 GHz) Industrial, Scientific and Medical (ISM) band. One important application of ITS is the use sensor technologies for the monitoring and identifying of objects near vehicles. It was determined that radar using radio waves is suitable for this application. Subsequently, Recommendation ITU‑R [M.1452-2](http://www.itu.int/rec/R-REC-M.1452) was developed to identify the system requirements for low power, short-range vehicular radar operating in the 60‑61 GHz and 76-77 GHz bands. [Report ITU-R M.2228](http://www.itu.int/pub/R-REP-M.2228) provides characteristics, requirements, and status of advanced ITS radiocommunications in various countries.

Concrete examples from countries or regions

Canada is taking the need to support persons with disabilities very seriously and in particular the role that ICT standards can have to facilitate the task. For example, the [45th Plenary](http://www.isacc.ca/isacc/english/meetings/archived_plenary/?plenary_45)[[3]](#footnote-3) meeting of the ICT Standards Advisory Council of Canada ([ISACC](http://www.isacc.ca/)[[4]](#footnote-4)), on 5 May 2011, was devoted to “Standards for ICT Accessibility”. Several Canadian initiatives were presented, some of which are described in this document.

Canada’s wireless telecommunications industry – Canadian Wireless Telecommunication Association (CWTA) has partnered with the Mobile Manufacturers Forum (MMF) to create a Web site where a person with disability can find more information about particular device features and how they might be of assistance. The Global Accessibility Reporting Initiative (GARI), developed by the MMF, is a project designed to help consumers learn more about the various accessibility features of mobile devices and to help them identify those with the features that may assist them with their particular needs. The CWTA site available in Canada that leverages the GARI initiative is available at the following link: <http://wirelessaccessibility.ca/>. This site is both in English and French.

The United States of America is committed to accelerating the adoption of technologies to improve health outcomes and lower health care costs. In 2010, the U.S. Federal Communications Commission (FCC) released the [National Broad Plan](http://www.broadband.gov/issues/healthcare.html), which includes a chapter on health care that details a strategy for combining networks, applications, devices, and individual actions to create increased opportunity for broadband-enabled health IT solutions. Under this initiative, the U.S. Federal Communications Commission (FCC) has initiated several proceedings to advance health care technologies including a proceeding to permit the use of a Retinal Prosthesis System which is a medical implant system designed to treat profoundly blind people suffering from advanced retinal degenerative diseases. In May 2012, the FCC announced a plan to increase spectrum flexibility for testing new wireless health innovations, to speed new wireless health technologies to market. The new experimental licensing regime will create more flexibility and streamlined processes for testing new wireless medical devices. Additional information on these initiatives can be found at:

<http://www.fcc.gov/health>

<http://www.broadband.gov/issues/healthcare.html>

The challenges and risks

– Why aren´t these best practices being scaled up or replicated around the world? What challenges limit the use of ICTs for disability-inclusive development? Why do these challenges continue? What factors prevent their removal?

– Are there any risks related with the use of ICTs as an enabler of disability-inclusive development? Could the use of ICTs introduce additional barriers to persons with disabilities and the society as a whole?

The challenges could be grouped in at least two categories, technical and institutional. On the technical side the key challenge is the availability of suitable frequency ranges for supporting the wireless communications needs of persons with disabilities, given the demands on the use of the frequency spectrum. One particular challenge that has been reported to WP 5A in the development of a draft revision of Recommendation ITU-R M.1076 described above is the difficulty of finding suitable frequencies for hearing aids. This challenge will increase as new wireless applications are implemented to support people with disabilities, including the transmission of visual and tactile signals. Rather than looking for dedicated frequencies for each application, multi-purpose wireless personal area networks with access priorities may be more adequate.

On the institutional side, the challenge seems to be in establishing a minimum set of suitable global standards, thus avoiding proliferation of non-standard solutions. Proper dissemination of standards and guidelines would enable the implementation of those standards in all the areas as needed.

With well-researched guidelines, the risks should be minimal. As pointed out in [ISACC-11-45302](http://www.isacc.ca/isacc/_doc/ArchivedPlenary/ISACC-11-45302.pdf) there is a strong correlation between disability and age; which means that the aging population should have time to learn new ways and adapt to the use of technology.

It is important to ensure that disability access is incorporated into standardized, mainstream, off‑the‑shelf product wherever possible and practical, as opposed to creating differentiated unique solutions that may only be made available in a subset of models on the marketplace. These mainstream solutions can also be augmented by third party assistive technology solutions including both hardware peripherals and software applications.

During the ISACC session, an outline of some challenges in providing accessible ICT was provided and how they are being addressed through accessibility legislation & standards for ICT devices ([ISACC-11-45301](http://www.isacc.ca/isacc/_doc/ArchivedPlenary/ISACC-11-45301.pdf)[[5]](#footnote-5)).

The way forward

– What actions should be undertaken to address the previously mentioned challenges and to promote affordable and accessible ICTs for persons living with disabilities?

– Which actors, institutions and existing initiatives need to be involved and leveraged to advance in the implementation of these actions? What role should each of them play to maximize the use of ICTs for disability-inclusive development?

– What role should the United Nations system play to ensure that ICTs are an integral and catalytic part of the global development agenda?

A cross-functional approach in which all of the pertinent stakeholders are engaged is important to ensure that all viewpoints are taken into consideration. These stakeholders could, include, among others, persons with disabilities, government and regulatory bodies, policy makers, device manufacturers, network service providers, consumer advocacy groups, standards bodies, research groups, and assistive technology vendors and organizations.

One critical dimension that needs particular attention is to focus on how to continuously promote education and awareness of accessible ICT solutions that already exist in the marketplace, as well as how to make consumers aware of the rapid evolution of features and applications that continue to come forth to meet the needs of persons with disabilities.

ITU can undertake to develop a WEB page that is global in nature and would publicize [MMF](http://www.mobileaccessibility.info/)’s GARI website[[6]](#footnote-6), [CWTA's version of GARI](http://wirelessaccessibility.ca/)[[7]](#footnote-7) and any other by making references to them on the ITU website to avoid duplication of efforts. If possible efforts should be made that this material is available in Spanish, French, Russian, Arabic, Chinese, and English, for example.

Timeframe and indicators of success

– What should be the timeframe for the actions previously mentioned?

– What existing or new indicators would allow policy makers to measure progress towards the implementation of these actions and towards achieving the social and economic development of persons with disabilities through ICTs?

Existing and new indicators can be consolidated through the existing accessibility legislation & standards for ICT devices.



1. See section 4 in [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0306!N01!MSW-E) to [Doc. 5A/306](http://www.itu.int/md/R12-WP5A-C-0306/en).

   **BWA External Organizations:** 4G Americas, 3GPP, 3GPP RAN, 3GPP2, ARIB, ATIS, AWG, BBF, CCSA, CDG, ETSI, ETSI TC BRAN, ETSI TC DECT, ETSI TC ERM, GSMA, iBurst Associaton, IEEE, TIA, TIA TR-45, TIA TR-45.3, TIA TR-45.5, TTA, TTC, UMTS Forum, WGA, Wi-Fi Alliance, WiMAX Forum, and XGP Forum.

   **BWA & RLAN External Organizations:** Same as BWA plus ETSI ERM-TG11.

   **MGWS:** AWG, CCSA, ECMA International, ETSI, ETSI TC BRAN, IEEE, TIA, TTA, and WGA.

   **PPDR:** 3GPP, 3GPP RAN, 3GPP2, APCO, APT Preparatory Group (APG) , ARIB, ATIS, AWG, CDG, ETSI, ETSI SC EMTEL, ETSI TC ERM, ETSI TC TETRA, GSMA, IEEE, OASIS, TIA, TIA TR-45, TIA TR-45.5, TIA TR-8, TIA TR-8.8, TTA, UMTS Forum, WGET, and WiMAX Forum. [↑](#footnote-ref-1)
2. <http://www.isacc.ca/isacc/_doc/ArchivedPlenary/ISACC-11-45301.pdf> [↑](#footnote-ref-2)
3. <http://www.isacc.ca/isacc/english/meetings/archived_plenary/?plenary_45> [↑](#footnote-ref-3)
4. <http://www.isacc.ca/> [↑](#footnote-ref-4)
5. <http://www.isacc.ca/isacc/_doc/ArchivedPlenary/ISACC-11-45301.pdf> [↑](#footnote-ref-5)
6. <http://www.mobileaccessibility.info/> [↑](#footnote-ref-6)
7. <http://wirelessaccessibility.ca/> [↑](#footnote-ref-7)