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| **Radiocommunication Study Groups** |  |
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|  | **Annex 2 to Document 5A/79-E** |
| **14 June 2012** |
| **English only** |
| Annex 2 to Working Party 5A Chairman’s Report | |
| consolidation of TEXTS APPROVED BY working party 5a | |
|  | |

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[6.5 Liaison statement to PPDR external organizations - Invitation to review the working document towards the revision of Recommendation ITU-R M.2009 “Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution **646 (Rev.WRC-12)**” 9](#_Toc327023831)

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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](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-0079!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>.

At its ninth meeting WP 5A approved 20 liaison statements to other groups and decided to send a liaison statement approved at the eight meeting. See Sections [3](#s3), [4](#s4), [5](#s5) and [6](#s6).

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

At its ninth meeting Working Party 5A did not conclude the work on any document for submission to Study Group 5.

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

| **Liaison to** | **Title/Subject** | | **Document number** | **Source: 5A/TEMP/...** |
| --- | --- | --- | --- | --- |
| WP 1A  WP 4C  WP 5C | Liaison statement to Working Party 4C (copy for information to Working Parties 1A and 5C) - WRC-15 Agenda item 1.10 | | [1A/34](http://www.itu.int/md/R12-WP1A-C-0034/en)  [4C/45](http://www.itu.int/md/R12-WP4C-C-0045/en)  [5C/51](http://www.itu.int/md/R12-WP5C-C-0051/en) | [[ 38 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0038) (Rev.1) |
| SG 1  WP 1A  WP 1B  WP 1C  WP 4A  WP 4B  WP 4C  WP 5B  WP 5D  WP 6A  WP 6B  WP 6C  WP 7B  WP 7C  WP 7D | Liaison statement to relevant Working Parties of Study Group 5 on further studies on cognitive radio systems (CRS) (copy for information to relevant Working Parties of Study Groups 1, 4, 6 and 7) | | [1/20](http://www.itu.int/md/R12-SG01-C-0020/en)  [1A/32](http://www.itu.int/md/R12-WP1A-C-0032/en)  [1B/32](http://www.itu.int/md/R12-WP1B-C-0032/en)  [1C/33](http://www.itu.int/md/R12-WP1C-C-0033/en)  [4A/59](http://www.itu.int/md/R12-WP4A-C-0059/en)  [4B/31](http://www.itu.int/md/R12-WP4B-C-0031/en)  [4C/46](http://www.itu.int/md/R12-WP4C-C-0046/en)  [5B/64](http://www.itu.int/md/R12-WP5B-C-0064/en)  [5D/36](http://www.itu.int/md/R12-WP5D-C-0036/en)  [6A/83](http://www.itu.int/md/R12-WP6A-C-0083/en)  [6B/43](http://www.itu.int/md/R12-WP6B-C-0043/en)  [6C/61](http://www.itu.int/md/R12-WP6C-C-0061/en)  [7B/17](http://www.itu.int/md/R12-WP7B-C-0017/en)  [7C/18](http://www.itu.int/md/R12-WP7C-C-0018/en)  [7D/14](http://www.itu.int/md/R12-WP7D-C-0014/en) | [[ 42 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0042) (Rev.1) |
| JTG 4-5-6-7 | Liaison statement to JTG 4-5-6-7 - WRC-15 Agenda item 1.1 | | [4-5-6-7/9](http://www.itu.int/md/R12-JTG4567-C-0009/en) | [[ 4 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0004) (Rev.1) |
| WP 4C  WP 5C | Liaison statement to Working Party 4C (Copied to Working Party 5C for information) - WRC-15 Agenda item 1.9.2 | | [4C/47](http://www.itu.int/md/R12-WP4C-C-0047/en)  [5C/53](http://www.itu.int/md/R12-WP5C-C-0053/en) | [[ 39 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0039) (Rev.1) |
| WP 4C  WP 5C | Liaison statement to Working Party 4C (copied for information to WP 5C) - WRC-15 Agenda item 9.1.1 | | [4C/48](http://www.itu.int/md/R12-WP4C-C-0048/en)  [5C/54](http://www.itu.int/md/R12-WP5C-C-0054/en) | [[ 37 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0037) (Rev.1) |
| WP 5B  WP 5C  WP 5D | Liaison statement to Working Party 5B (copy to WP 5C and WP 5D for information) - WRC-15 Agenda item 1.15 | | [5B/53](http://www.itu.int/md/R12-WP5B-C-0053/en)  [5C/40](http://www.itu.int/md/R12-WP5C-C-0040/en)  [5D/28](http://www.itu.int/md/R12-WP5D-C-0028/en) | [[ 3 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0003) (Rev.1) |
| ITU-T SG 16  FG-AVA  JCA-AHF  WP 1B  SG 6  WP 6A  ITU-T SG 2  ITU-D SG 1  ITU D SG 2  ETSI ERM TG 17 | Reply liaison statement to ITU-T SG 16, FG-AVA and JCA-AHF (Copy for information to ITU-R WP 1B, ITU-R WP 6A, ITU-T SG 2, ITU-D SG 1, ITU D SG 2, and ETSI ERM TG 17) - Technical characteristics of wireless aids for hearing impaired people operating in the VHF and UHF frequency range | | [1B/35](http://www.itu.int/md/R12-WP1B-C-0035/en)  [6A/31](http://www.itu.int/md/R12-WP6A-C-0031/en) | [[ 20 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0020) |
| WP 5B  WP 5C | Liaison statement to Working Parties 5B and 5C regarding studies related to WRC-15 Agenda item 1.4 | | [5B/65](http://www.itu.int/md/R12-WP5B-C-0065/en)  [5C/52](http://www.itu.int/md/R12-WP5B-C-0052/en) | [[ 2 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0002) |
| WP 1B  WP 4A  WP 4B  WP 4C  WP 5B  WP 5C  WP 5D  WP 6A  WP 7B  WP 7C  WP 7D | Liaison statement to Working Parties 5B, 5C and 5D (copy to Working Parties 1B, 4A, 4B, 4C, 6A, 7B, 7C, 7D for information) - Preparations for WRC-15 Agenda item 1.3 in response to decisions of CPM15-1 | | [1B/33](http://www.itu.int/md/R12-WP1B-C-0033/en)  [4A/58](http://www.itu.int/md/R12-WP4A-C-0058/en)  [4B/30](http://www.itu.int/md/R12-WP4B-C-0030/en)  [4C/44](http://www.itu.int/md/R12-WP4C-C-0044/en)  [5B/63](http://www.itu.int/md/R12-WP5B-C-0063/en)  [5C/50](http://www.itu.int/md/R12-WP5C-C-0050/en)  [5D/34](http://www.itu.int/md/R12-WP5D-C-0034/en)  [6A/82](http://www.itu.int/md/R12-WP6A-C-0082/en)  [7B/16](http://www.itu.int/md/R12-WP7B-C-0016/en)  [7C/17](http://www.itu.int/md/R12-WP7C-C-0017/en)  [7D/13](http://www.itu.int/md/R12-WP7D-C-0013/en) | [[ 12 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0012) (Rev.1) |
| WP 4C  WP 5D | Reply liaison statement to Working Party 4C (copy for information to working party 5D) – Impact of increased MSS emissions in the 2 483.5-2 500 MHz band | | [4C/37](http://www.itu.int/md/R12-WP4C-C-0037/en)  [5D/26](http://www.itu.int/md/R12-WP5D-C-0026/en) | Source[[1]](#footnote-1): Appendix 1 to [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E) to [Doc. 5A/788](http://www.itu.int/md/R07-WP5A-C-0788en) |
| ITU-T SG 15  SG 1  WP 1A  WP 1B  WP 5D | Liaison statement to ITU-T Study Group 15 regarding G.WNB, narrow-band wireless home networking (copy to ITU-R Study Group 1, Working Party 5D) | | [1/21](http://www.itu.int/md/R12-SG01-C-0021/en)  [1A/33](http://www.itu.int/md/R12-WP1A-C-0033/en)  [1B/34](http://www.itu.int/md/R12-WP1B-C-0034/en)  [5D/35](http://www.itu.int/md/R12-WP5D-C-0035/en) | [[ 29 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0029) (Rev.1) |
| WP 5D | Liaison statement to Working Party 5D on the revision of Report ITU-R M.2117 “Software-defined radio in the land mobile, amateur and amateur satellite services” | [5D/37](http://www.itu.int/md/R12-WP5D-C-0037/en) | | [[ 43 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0043) |

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source: 5A/TEMP/...** |
| --- | --- | --- | --- |
| ITU-T SG 16  FG-AVA  JCA-AHF  WP 1B  SG 6  WP 6A  ITU-T SG 2  ITU-D SG 1  ITU D SG 2  ETSI ERM TG 17 | Reply liaison statement to ITU-T SG 16, FG-AVA and JCA-AHF (Copy for information to ITU-R WP 1B, ITU-R WP 6A, ITU-T SG 2, ITU-D SG 1, ITU D SG 2, and ETSI ERM TG 17) – “Technical characteristics of wireless aids for hearing impaired people operating in the VHF and UHF frequency range” | [1B/35](http://www.itu.int/md/R12-WP1B-C-0035/en)  [6A/31](http://www.itu.int/md/R12-WP6A-C-0031/en) | [[ 20 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0020) |

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

| **Liaison to** | | **Title/Subject** | **Reference** | **Source: 5A/TEMP/...** |
| --- | --- | --- | --- | --- |
| ITU-T | Liaison statement to ITU-T - Collaboration on Intelligent Transport Systems Communication Standards - WRC-15 Agenda item 1.18 | [Section 5.1](#s51) below | [[ 35 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0035) |
| ITU-T SG 13 | Working Parties 5A, 5B, 5C and 5D - Joint liaison statement to ITU-T SG-13 on "Energy measurement reference model" | [5D/32](http://www.itu.int/md/R12-WP5D-C-0032/en) | [[ 26 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0026) |
| ITU-T SG 15  SG 1  WP 1A  WP 1B  WP 5D | Liaison statement to ITU-T Study Group 15 regarding G.WNB, narrow-band wireless home networking (copy to ITU-R Study Group 1, Working Party 5D) | [1/21](http://www.itu.int/md/R12-SG01-C-0021/en)  [1A/33](http://www.itu.int/md/R12-WP1A-C-0033/en)  [1B/34](http://www.itu.int/md/R12-WP1B-C-0034/en)  [5D/35](http://www.itu.int/md/R12-WP5D-C-0035/en) | [[ 29 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0029) (Rev.1) |
| ITU-T SG 16  FG-AVA  JCA-AHF  WP 1B  SG 6  WP 6A  ITU-T SG 2  ITU-D SG 1  ITU D SG 2  ETSI ERM TG 17 | Reply liaison statement to ITU-T SG 16, FG-AVA and JCA-AHF (Copy for information to ITU-R WP 1B, ITU-R WP 6A, ITU-T SG 2, ITU-D SG 1, ITU D SG 2, and ETSI ERM TG 17) “Technical characteristics of wireless aids for hearing impaired people operating in the VHF and UHF frequency range” | [1B/35](http://www.itu.int/md/R12-WP1B-C-0035/en)  [6A/31](http://www.itu.int/md/R12-WP6A-C-0031/en) | [[ 20 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0020) |

### 5.1 Liaison statement to ITU-T - Collaboration on Intelligent Transport Systems Communication Standards - WRC-15 Agenda item 1.18

ITU-R Working Party 5A wishes to inform ITU-T that it continues to work on ITS and in particular on AI 1.18 which is assigned to WP 5A and WP 5B, and is tasked with developing ITU-R text regarding the spectrum requirements and systems characteristics of automotive radar in the 77-81 GHz band to fulfil the necessary studies under Agenda item 1.18 of the World Radiocommunication Conference 2015 (WRC-15).

Agenda item 1.18 resolves to invite WRC-15 to consider a primary allocation to the radiolocation service for automotive applications in the 77.5-78 GHz frequency band in accordance with Resolution 654 (WRC-12), which would provide for global harmonization of such applications.

ITU-R WP 5A therefore invites ITU-T, the Collaboration on ITS Communication Standards, and in particular External Organizations that are participants in the Collaboration, to contribute in advancing this work by submitting relevant studies (including any systems and technical characteristics, as well as Human-to-Machine interface (HMI) issues between the radar and the driver) prior to the next meeting of WP 5A, scheduled for 5-16 November 2012, in Geneva. The deadline for input contributions for the November meeting is 29 October 2012 at 1600 UTC.

ITU-R WP 5A will keep the Collaboration abreast of any further developments on AI 1.18 as it progresses to WRC-15.

**Status:** For Action

**Contact:** Paul Najarian **E-mail:** [najarianpb@state.gov](mailto:najarianpb@state.gov)

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source: 5A/TEMP/...** |
| --- | --- | --- | --- |
| BWA External Organizations | Liaison statement to external organizations on the revision work on Recommendation ITU-R M.1801 and Report ITU-R M.2116 “Radio interface standards for BWA systems and characteristics for use in sharing studies” | [Section 6.1](#s61) below | [[ 6 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0006) (Rev.1) |
| BWA External Organizations | Liaison statement to external organizations - Invitation to submit contributions to Working Document towards a preliminary draft new Report ITU-R [LMS.ATG] systems for public mobile communications with aircraft | [Section 6.2](#s62) below | [[ 7 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0007) |

| **Liaison to** | **Title/Subject** | **Reference** | **Source: 5A/TEMP/...** |
| --- | --- | --- | --- |
| ITU-T SG 16  FG-AVA  JCA-AHF  WP 1B  SG 6  WP 6A  ITU-T SG 2  ITU-D SG 1  ITU D SG 2  ETSI ERM TG 17 | Reply liaison statement to ITU-T SG 16, FG-AVA and JCA-AHF (Copy for information to ITU-R WP 1B, ITU-R WP 6A, ITU-T SG 2, ITU-D SG 1, ITU D SG 2, and ETSI ERM TG 17) “Technical characteristics of wireless aids for hearing impaired people operating in the VHF and UHF frequency range” | [1B/35](http://www.itu.int/md/R12-WP1B-C-0035/en)  [6A/31](http://www.itu.int/md/R12-WP6A-C-0031/en) | [[ 20 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0020) |
| PPDR External Organizations | Liaison statement to external organizations - Invitation to review the preliminary draft revision of Report ITU-R M.2014 “Digital land mobile systems for dispatch traffic” | [Section 6.3](#s63) below | [[ 13 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0013) (Rev.1) |
| PPDR External Organizations | Liaison statement to external organizations - Invitation to review the working document towards the revision of Report ITU-R M.2015 “Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution **646 (Rev.WRC-12)**” | [Section 6.4](#s64) below | [[ 15 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0015) (Rev.1) |
| PPDR External Organizations | Liaison statement to external organizations - Invitation to review the working document towards the revision of Recommendation ITU-R M.2009 “Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution **646 (Rev.WRC-12)**” | [Section 6.5](#s65) below | [[ 17 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0017) (Rev.1) |
| PPDR External Organizations | Liaison statement to external organizations - Invitation to consider the proposed course of action, toward the review of Recommendations and Reports associated with work on WRC-15 Agenda item 1.3 | [Section 6.6](#s66) below | [[ 24 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0024) (Rev.1) |
| ISO/IEC JTC 1/SC 31/WG 6  ISO/IEC JTC 1/WG 7 | Reply liaison statement to ISO/IEC JTC 1/SC 31/WG 6 and ISO/IEC JTC 1/WG 7 - Wide-area sensor and/or actuator network (WASN) systems | [Section 6.7](#s67) below | [[ 36 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R12-WP5A-120522-TD-0036) |

### 6.1 Liaison statement to BWA external organizations on the revision work on Recommendation ITU-R M.1801 and Report ITU-R M.2116 “Radio interface standards for BWA systems and characteristics for use in sharing studies”

At the meeting in May 2012, WP 5A considered a proposal for updating Recommendation ITU-R M.1801 “Radio interface standards for broadband wireless access systems, including mobile and nomadic applications, in the mobile service operating below 6 GHz” and started the process of revision of this Recommendation. Similarly, it was agreed to start to revise Report ITU-R M.2116 which is the companion document to Recommendation ITU-R M.1801 and provides “Characteristics of broadband wireless access systems operating in the land mobile service for use in sharing studies”.

These draft revisions were triggered by a proposal to remove information regarding standards that have fallen into disuse.

WP 5A kindly invites External Organizations to consider the revised versions of Recommendation ITU-R M.1801 and Report ITU-R M.2116, which are attached below, and to provide any updated or new material to complete the revision work.

In order to ensure consideration of input materials, external organizations are encouraged to submit materials to the November 2012 meeting.

The next meeting of WP 5A will be held in the period 5-16 November 2012. The deadline for input contributions for the November meeting is 29 October 2012 at 1600 UTC.

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

**Attachments:** Working document towards a preliminary draft revision of Recommendation ITU‑R M.1801-1 on Radio interface standards for broadband wireless access systems including mobile and nomadic applications, in the mobile service operating below 6 GHz. ([Annex 15](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N15MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en))

Working document towards a preliminary draft revision of Report ITU-R M.2116‑1 ([Annex 20](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N20!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en))

## 6.2 Liaison statement to BWA external organizations - Invitation to submit contributions to Working Document towards a preliminary draft new Report ITU‑R [LMS.ATG] systems for public mobile communications with aircraft

Working Party 5A has prepared a Working Document towards a preliminary draft new Report ITU‑R [LMS.ATG], entitled “Systems for Public Mobile Communications with Aircraft”, which is meant to replace Report ITU-R M.1051-1 “Public Mobile Telephone Service with Aircraft”. Preliminary draft new Report ITU-R [LMS.ATG] describes the general principles, technical characteristics and operational features of terrestrial systems for public mobile communications with aircraft.

Working Party 5A received contributions [5A/69](http://www.itu.int/md/R12-WP5A-C-0069/en) and [5A/781](http://www.itu.int/md/R07-WP5A-C-0781/en) containing Liaison Rapporteur Reports from certain countries in Region 1, which mentioned that European Telecommunications Standards Institute (ETSI) is developing new reports and specifications on Broadband Direct-Air-to-Ground Communications (DA2GC) intended to provide high performance broadband connectivity between aircraft and a terrestrial radio access network to be deployed in Europe. Working Party 5A believes that materials such as those ETSI documents mentioned in Liaison Rapporteur Reports may be relevant to the working document towards preliminary draft new Report ITU-R [LMS.ATG] and kindly invites external organizations to make related contributions to the November 2012 meeting, which has a deadline for input contributions of 29th October, 2012 at 1600 UTC.

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

**Attachment:** [Annex 14](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N14!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en)**:** Working document towards a preliminary draft new Report ITU-R [LMS.ATG] “Systems for Public Mobile Communications with Aircraft”

## 6.3 Liaison statement to BWA external organizations - Invitation to review the preliminary draft revision of Report ITU-R M.2014 “Digital land mobile systems for dispatch traffic”

Working Party 5A has continued to review and revise Report ITU‑R M.2014, “Digital land mobile systems for dispatch traffic”, based on input contributions received and has prepared the attached preliminary draft revision at its meeting in May 2012.

Report ITU-R M.2014 provides the technical and operational characteristics for spectrum efficient digital dispatch systems and also provides details of systems being introduced throughout the world.

The attached preliminary draft revision reflects input contributions received on GoTa, CDMA‑PAMR, TETRA1, and TEDS.

Working Party 5A was informed via an input contribution that “*Project MESA was formally closed in December 2010 and maintenance of the current MESA standards in ETSI is now the responsibility of ETSI Technical Committee TETRA*”. Based on this information, the meeting decided that the material in the current version of Report ITU-R M.2014 regarding Project MESA was no longer accurate, and it has been removed. The External Organizations associated with Project MESA are encouraged to submit up-to-date information for this section and for Table 1 as is provided for all other included technologies.

Working Party 5A kindly invites all external organizations to consider the preliminary draft revision of Report ITU-R M.2014, which is attached below, and provide any update or new material to complete the revision work.

Working Party 5A changed the status of this document from a working document to a preliminary draft revision at its May 2012 meeting and has the objective to complete this revision work during the November 2012 meeting. The deadline for input contributions for the November meeting is 29 October 2012 at 1600 UTC.

Working Party 5A will further consider the material and take necessary action as appropriate upon receipt of comments at the Working Party 5A meeting in November 2012.

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

**Attachment:** [Annex 16](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N16!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en):Preliminary draft revision of Report ITU-R M.2014, “Digital land mobile systems for dispatch traffic”

## 6.4 Liaison statement to PPDR external organizations - Invitation to review the working document towards a preliminary draft revision of Report ITU-R M.2015 “Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (Rev.WRC-12)”

At its May 2012 meeting, Working Party 5A received a number of contributions proposing revisions to Recommendation ITU-R M.2015, “Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution **646 (Rev.WRC-12)**”. Based on these contributions, WP 5A has prepared a working document towards a revision of Recommendation ITU-R M.2015.

Recommendation ITU-R M.2015 provides guidance on frequency arrangements for public protection and disaster relief radiocommunications in certain regions in some of the bands below 1 GHz identified in Resolution **646 (Rev.WRC-12)**. The published version addresses arrangements in the ranges 380‑470 MHz in certain countries in Region 1, 746-806 MHz and 806‑869 MHz in

Region 2, and 806‑824/851-869 MHz in some countries in Region 3 in accordance with Resolutions ITU-R 53, ITU‑R 55 and WRC Resolutions **644 (Rev.WRC-12)**, **646 (Rev.WRC-12)**, and **647 (Rev.WRC-12)**.

The proposed revisions include updating of the arrangements for the band 763 to 776 MHz and 793 to 806 MHz in certain countries in Region 2 and the addition of a broadband arrangement in 806 to 824 MHz and 851 to 869 MHz in some countries in Region 3, as shown in the attachment.

Working Party 5A kindly invites external organizations to consider the working document towards the revision of Recommendation ITU-R M.2015, which is attached below, and provide any update or new material to complete the revision work.

In order to ensure consideration of input materials, external organizations are encouraged to submit materials to the November 2012 meeting, which has a deadline for input contributions of 29 October 2012 at 1600 UTC.

Working Party 5A will further consider the material and take necessary action as appropriate upon receipt of comments at the Working Party 5A meeting in November 2012.

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**Attachment:** [Annex 18](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N18!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en)**:** Working document towards the revision of Recommendation ITU-R M.2015, “Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution **646 (Rev.WRC-12)**”

## 6.5 Liaison statement to PPDR external organizations - Invitation to review the working document towards the revision of Recommendation ITU-R M.2009 - Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646(Rev.WRC-12)

At its May 2012 meeting, Working Party 5A received a contribution proposing a revision to Recommendation ITU-R M.2009, “Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution **646 (WRC-03)**”. Based on this contribution, WP 5A has prepared a working document towards a revision of Recommendation ITU-R M.2009.

Recommendation ITU-R M.2009 identifies radio interface standards applicable for public protection and disaster relief (PPDR) operations in some parts of the UHF band. The proposed revision includes the addition of SCDMA technology as one of the broadband radio interface standards for use by PPDR operations in accordance with Resolution 646 (Rev.WRC-12), as shown in the attachment.

Working Party 5A kindly invites external organizations to consider the working document towards the preliminary draft revision of Recommendation ITU-R M.2009 which is attached below and provide any update or new material to complete the revision work.

In order to ensure consideration of input materials, external organizations are encouraged to submit materials to the November 2012 meeting, which has a deadline for input contributions of   
29 October 2012 at 1600 UTC.

Working Party 5A will further consider the material and take necessary action as appropriate upon receipt of comments at the Working Party 5A meeting in November 2012.

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**Attachment:** [Annex 17](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N17!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en):Working document toward a preliminary draft revision of Recommendation ITU-R M.2009, “Radio interface standards for use by public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (Rev.WRC-12)”

## 6.6 Liaison statement to PPDR external organizations - Invitation to consider the proposed course of action, toward the review of Recommendations and Reports 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)**;

Resolution **648 (WRC-12)** invites the ITU-R

“to study technical and operational issues relating to broadband PPDR and its further development, and to develop recommendations, as required, on:

– technical requirements for PPDR services and applications;

– the evolution of broadband PPDR through advances in technology;

– the needs of developing countries,”

As part of its initiation of work on WRC-15 Agenda item 1.3, Working Party 5A considered the existing Recommendations and Reports associated with Public Protection and Disaster Relief (PPDR). The attached list indicates the documents related to PPDR under the purview of WP 5A and the action proposed to be taken on each document.

The external organizations are invited to review these existing documents and WP 5A’s proposed actions and provide their views on the proposed way forward. In addition, WP 5A is providing the external organizations with the work plan for Agenda item 1.3 as approved in the May 2012 meeting.

In order to ensure consideration of their views, external organizations are encouraged to submit materials to the November 2012 meeting, which has a deadline for input contributions of 29 October 2012 at 1600 UTC.

Working Party 5A will consider and take necessary action as appropriate upon receipt of comments at the Working Party 5A meeting in November 2012.

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**Attachments:** Appendix 1 of [Annex 3](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N03!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en):Proposed course of action toward the review of Recommendations and Reports associated with work on WRC-15 Agenda item 1.3

[Annex 7](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N07!MSW-E) to [Document 5A/79](http://www.itu.int/md/R12-WP5A-C-0079/en): Work plan for WRC-15 Agenda item 1.3

## 6.7 Reply liaison statement to ISO/IEC JTC 1/SC 31/WG 6 and ISO/IEC JTC 1/WG 7 - Wide-area sensor and/or actuator network (WASN) systems

ITU-R Working Party 5A would like to thank ISO/IEC JTC 1/SC 31/WG 6 for its reply Liaison statement (Document [5A/795](http://www.itu.int/md/R07-WP5A-C-0795/en)) which includes comments:

• On Document [5/302](http://www.itu.int/md/R07-SG05-C-0302/en) which has been revised and approved in 2011-11 as   
[Report ITU-R M.2224](http://www.itu.int/pub/R-REP-M.2224) "System design guidelines for wide area sensor and/or actuator network (WASN) systems".

• On Document [5/261](http://www.itu.int/md/R07-SG05-C-0261/en) which has been revised and approved in 2012-03 as [Recommendation ITU-R M.2002](http://www.itu.int/rec/R-REC-M.2002/en) "Objectives, characteristics and functional requirements of wide-area sensor and/or actuator network (WASN) systems".

ITU-R Working Party 5A is not currently working on revisions of the above deliverables, therefore the comments received will be considered in the future.

ITU-R Working Party 5A would like to thank ISO/IEC JTC 1/WG 7 for its reply Liaison statement (Document [5A/8](http://www.itu.int/md/R12-WP5A-C-0008/en)) and the overview of on-going projects.

ITU-R Working Party 5A would also like to inform ISO/IEC JTC 1/SC 31/WG 6 and ISO/IEC JTC 1/WG 7 that the Question ITU-R 250-1/5 "Mobile wireless access systems providing telecommunications for a large number of ubiquitous sensors and/or actuators scattered over wide areas as well as machine to machine communications in the land mobile service" has been approved in 2012-03 and is available in <http://www.itu.int/pub/R-QUE-SG05.250-1-2012> .

WP 5A looks forward to continued cooperation with ISO/IEC JTC 1/SC 31/WG 6 and ISO/IEC JTC 1/WG 7 on this issue.

**Status:**  For information

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1. This liaison statement was approved at the eight meeting of WP 5A to be held in the Chairman’s Report pending the results of WRC-12 Appendix 1 to [Annex 2](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N02!MSW-E) to [Doc. 5A/788](http://www.itu.int/md/R07-WP5A-C-0788en); the decision to send the document was made at the opening plenary of the ninth meeting of WP 5A. [↑](#footnote-ref-1)
2. See Section 4 in [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R12-WP5A-C-0079!N01!MSW-E) to [Doc. 5A/79](http://www.itu.int/md/R16-WP5A-C-0079/en).  
   **BWA External Organizations:** 3GPP, 3GPP RAN, 3GPP2, 4G Americas, 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, WiMAX Forum, and XGP Forum.  
   **PPDR External Organizations:** 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, Project MESA, TIA, TIA TR-45, TIA TR-45.5, TIA TR-8, TTA, UMTS Forum, WGET, and WiMAX Forum. [↑](#footnote-ref-2)