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| **Radiocommunication Study Groups** |  |
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|  | **Annex 2 toDocument 5A/788-E** |
| **30 November 2011** |
| **English only** |
| Annex 2 to Working Party 5A Chairman’s Report |
| consolidation of TEXTS APPROVED BY working party 5a |
|  |

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[6.3 Liaison statement to external organizations (PPDR) on the preliminary draft new Report ITU-R M.[LMS.PPDR.UHF CHANNELS] - Channelization scenarios for public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (WRC-03) 12](#_Toc310219043)

[6.4 Liaison statement to external organizations on "Wide-area sensor and/or actuator network (WASN) systems" 13](#_Toc310219044)

[Appendix 1 to Annex 2 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 15](#_Toc310219045)

# 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.4)](http://www.itu.int/md/R07-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=R07-WP5A-C-0788!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 le current version is available on the WP 5A webpage: <http://www.itu.int/ITU-R/go/rwp5a/en>.

The proposals and documents submitted by WP 5A to Study Group 5 are described in Section [2](#s2). WP 5A approved 12 liaison statements to other groups. See Sections [3](#s3), [4](#s4), and [5](#s5). [Appendix 1](#app1) contains a liaison statement to WP 4C that was approved at the eight meeting of WP 5A to be held in the chairman’s report pending the results of WRC-12; the need to send (or not to send) this liaison statement will be reconsidered at the opening plenary of the ninth meeting of WP 5A.

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

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

### 2.1 Draft revised and new Recommendations

#### 2.1.1 Draft new Recommendation proposed for adoption

Working Party 5A proposed again to SG 5 the draft new Recommendation in [Doc. 5/201](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0201) for consideration for adoption by SG 5:

* Draft new Recommendation ITU-R M.[LMS.PPDR.UHF] – Frequency arrangements for public protection and disaster relief radiocommunication systems in UHF bands in accordance with Resolution 646 (WRC-03) – [Doc. 5/201](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0201).

The following explanation was provided in the Executive Report to Study Group 5 ([Doc. 5/431](http://www.itu.int/md/R07-SG05-C-0431)).

The adoption of this draft Recommendation was opposed at the previous meeting of SG 5 on the basis of the relationships between Resolution 644 (Rev.WRC-07), Resolution 646 (WRC-03), and Resolution 647 (Rev.WRC-07), refer to Section 5.1.2 of [Doc. 5/248](http://www.itu.int/md/R07-SG05-C-0248). The complementary nature of these Resolutions is explained clearly in Section 3 of Annex 3 to Doc. 5A/513 and it is summarized in the following paragraph.

It is noted that Resolution 644 (Rev.WRC-07) on radiocommunication resources for early warning, disaster mitigation and relief operations resolves ITU-R to continue to study, as a matter of urgency, those aspects of radiocommunications/ICT that are relevant to early warning, disaster mitigation and relief operations, while Resolution 646 (WRC-03) addresses the broader category of public protection and disaster relief (PPDR). Resolution 646 specifically calls upon the ITU-R to develop Recommendations on the frequency bands in the Resolution and Resolution 647 (Rev.WRC-07) calls upon the ITU-R to develop a database of frequencies used for emergency and disaster relief operations[[1]](#footnote-1). Resolutions 646 and 647 complement and, in line with the guidance in Resolution 644, do not duplicate or overlap each other.

There was a also question in Section 5.1.2 of [Doc. 5/248](http://www.itu.int/md/R07-SG05-C-0248) on this draft Recommendation regarding the ECC reference on DMO in Annex 1 on page 4 of the draft in [Doc. 5/201](http://www.itu.int/md/R07-SG05-C-0201/en). This has been investigated and it is confirmed that ECC/DEC/(01)20 should be replaced by ERC/DEC/(01)19[[2]](#footnote-2).

#### 2.1.2 Draft new and revised Recommendation proposed for PSAA

Working Party 5A proposed to SG 5 the following draft three new and three revised Recommendations for consideration for PSAA by SG 5.

* Draft new Recommendation ITU-R M.[LMS.WASN] – Objectives, characteristics and functional requirements of wide-area sensor and/or actuator network (WASN) systems –
[Doc. 5/261](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0261).
* Draft revision of Recommendation ITU-R M.1732 – Characteristics of systems operating in the amateur and amateur-satellite services for use in sharing studies – [Doc. 5/294](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0294).
* Draft revision of Recommendation ITU-R M.1073-2 – Digital cellular land mobile telecommunication systems – [Doc. 5/297](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0297).
* Draft new Recommendation ITU-R [LMS.MGWS1] – Multiple Gigabit wireless systems in frequencies around 60 GHz – [Doc. 5/298](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0298).
* Draft revision of Recommendation ITU-R M.1452-1 – Millimetre wave vehicular collision avoidance radars and radiocommunication systems for intelligent transport system applications – [Doc. 5/299](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0299).
* Draft new Recommendation ITU-R [LMS.PPDR.UHF TECH] – 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) – [Doc. 5/329](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0329).

NOTE – [Doc. 5/329](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0329) was submitted to SG 5 with an objection from Iran on the basis of the format, not the content. The view of the members in WP 5A that developed the draft Recommendation is that the format in [Doc. 5/298](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0298) is the preferred one for this type of Recommendation. This is supported by the “Guidelines for Radiocommunication Assembly and Study Group Meetings and Documentation”, Edition 2, published in [Administrative Circular CA/13](http://www.itu.int/md/R00-CA-CIR-0013/en)[[3]](#footnote-3), specifically in Section 2.12 “Text of Recommendation (mandatory)” of its Annex 2.

### 2.2 Draft revised and new Reports

Working Party 5A proposed to SG 5 the following draft five new and one revised Reports for consideration for approval by SG 5. The draft new Report in [Doc. 5/296](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0296) is related to WRC‑12 Agenda item 1.23.

* Draft new Report ITU-R M.[LMS.AITS] – Advanced intelligent transport systems (ITS) radiocommunications – [Doc. 5/289](file:///C%3A%5CUsers%5Cecoajoe%5CDocuments%5C1-Standards%5C2-ITU%5C5-NSG5%5CR07-SG05-C-0289-E.htm)
* Draft revision of Report ITU-R M.2085 – Role of the amateur and amateur-satellite services in support of disaster mitigation and relief – [Doc. 5/292](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0292)
* Draft new Report ITU-R [LMS.MGWS2] – Multiple Gigabit wireless systems in frequencies around 60 GHz – [Doc. 5/295](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0295)
* Draft new Report ITU-R M.[AS EXP OP 415-526.5 kHz] – Description of amateur and experimental operation between 415 and 526.5 kHz in some countries – [Doc. 5/296](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0296)
* Draft new Report ITU-R [LMS.CRS1] – Introduction to cognitive radio systems in the land mobile service – [Doc. 5/301](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0301)
* Draft new Report ITU-R M.[LMS.WASN STUDY] – System design guidelines for wide area sensor and/or actuator network (WASN) systems – [Doc. 5/302](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0302)

### 2.3 Draft revised Questions and proposed suppression of three Questions

Working Party 5A approved [Doc. 5/328](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0328) proposing the suppression of 3 Questions and the draft revision of 13 Questions.

### 2.4 Editorial update of Recommendations

Working Party 5A proposed to SG 5 a draft editorial update of Recommendation ITU-R F.1401-1 – Considerations for the identification of possible frequency bands for fixed wireless access and related sharing studies – [Doc. 5/293](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-SG05-C-0293).

### 2.5 WP 5A views on the draft revisions by WP 5C of Recommendations that are the joint responsibility of WP 5A and WP 5C

Some Recommendations in the F-series are the joint responsibility of WP 5A and WP 5C according to [Doc. 5/2(Rev.3)](http://www.itu.int/md/R07-SG05-C-0002). WP 5A took note of the proposed way forward from WP 5C on the revision of Recommendation ITU-R F.758-4 as described in the input contribution and agreed with this way forward as well as the draft revision itself as contained in Document [5/314](http://www.itu.int/md/R07-SG05-C-0314/en) as acceptable from a WP 5A perspective. Similarly, WP 5A took note of the draft revisions of Recommendation ITU‑R F.746-9 as contained in Document [5/315](http://www.itu.int/md/R07-SG05-C-0315/en) and Recommendation ITU-R F.1336-2 as contained in Document [5/324](http://www.itu.int/md/R07-SG05-C-0324/en) and they are also acceptable from a WP 5A perspective.

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

| **Liaison to** | **Title/Subject** | **Document number** | **Source:5A/TEMP/...** |
| --- | --- | --- | --- |
| ITU-T SG 15SG 1WP 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) | [1/196](http://www.itu.int/md/R07-SG01-C-0196/en)[1A/400](http://www.itu.int/md/R07-WP1A-C-0400/en)[1B/319](http://www.itu.int/md/R07-WP1B-C-0319/en)[5D/1173](http://www.itu.int/md/R07-WP5D-C-1173/en) | [ 340 ](Rev.2) |
| SG 3 | Liaison statement from WPs 5A, 5B, and 5C to Study Group 3 - Handbook on the selection and use of radio propagation models for interference prediction and ITU sharing studies | [3M/230](http://www.itu.int/md/R07-WP3M-C-0230/en) | [ 320 ](Rev.1) |
| ITU-D SG 2ITU-T SG 15ITU-R SG 5 | Liaison statement to ITU-D Study Group 2 Question 22‑1/2 (copy to ITU-T Study Group 15 and ITU-R Study Group 5) – Utilization of telecommunications/ICTs for disaster preparedness, mitigation and response | [5B/811](http://www.itu.int/md/R07-WP5B-C-0811/en) | [[ 341 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0296)(Rev.2) |
| WP 5D | Liaison statement to WP 5D on the revision of Report ITU-R M.2117 "Software-defined radio in the land mobile, amateur and amateur satellite services" | [5D/1175](http://www.itu.int/md/R07-WP5D-C-1175/en) | [ 353 ] (Rev.1) |

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source:5A/TEMP/...** |
| --- | --- | --- | --- |
| ITU-D SG 2ITU-T SG 15ITU-R SG 5 | Liaison statement to ITU-D Study Group 2 Question 22‑1/2 (copy to ITU-T Study Group 15 and ITU-R Study Group 5) – Utilization of telecommunications/ICTs for disaster preparedness, mitigation and response | [5B/811](http://www.itu.int/md/R07-WP5B-C-0811/en) | [[ 341 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0296)(Rev.2) |

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source:5A/TEMP/...** |
| --- | --- | --- | --- |
| ITU-T JCA-IoT Convener | Reply liaison statement to ITU-T JCA-IoT Convener on IoT Standards Roadmap | [Section 5.1](#s51) below | [ 336 ](Rev.1) |
| ITU-T SG 12 | Reply Liaison Statement to ITU-T Study Group 12 Quality of Service requirements and objectives  | [Section 5.2](#_5.2_Liaison_statement) below | [ 350 ](Rev.1) |
| ITU-T SG 15SG 1WP 5D | Liaison statement to ITU-T Study Group 15 regarding G.WNB, narrowband wireless home networking (copy to ITU-R Study Group 1, Working Party 5D)  | [1/196](http://www.itu.int/md/R07-SG01-C-0196/en)[1A/400](http://www.itu.int/md/R07-WP1A-C-0400/en)[1B/319](http://www.itu.int/md/R07-WP1B-C-0319/en)[5D/1173](http://www.itu.int/md/R07-WP5D-C-1173/en) | [ 340 ](Rev.2) |
| ITU-D SG 2ITU-T SG 15ITU-R SG 5 | Liaison statement to ITU-D Study Group 2 Question 22‑1/2 (copy to ITU-T Study Group 15 and ITU-R Study Group 5) – Utilization of telecommunications/ICTs for disaster preparedness, mitigation and response | [5B/811](http://www.itu.int/md/R07-WP5B-C-0811/en) | [[ 341 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0296)(Rev.2) |
| TSB via the Director, BR | Note to Director BR - Terms of reference of intelligent transport systems communications collaboration | [Section 5.3](#s53) below | [ 333 ](Rev.1) |

### 5.1 Reply liaison statement to ITU-T JCA-IoT Convener on IoT Standards Roadmap

ITU-R Working Party 5A would like to thank ITU-T JCA-IoT Convener for its liaison statement (Document 5A/712). Working Party 5A continues to work on “Mobile wireless access systems providing telecommunications for a large number of ubiquitous sensors and/or actuators scattered over wide areas in the land mobile service”, under [Study Group 5 Question ITU-R 250/5](http://www.itu.int/publ/R-QUE-SG05.250/en).

WP 5A has completed development of two documents at the meeting (8-17 November 2011) for submission to the next Study Group 5 meeting (21-23 November 2011) for approval.

These documents are attached for information (see Attachment 1 and Attachment 2).

WP 5A believes that our activities detailed in Attachment 3 can help your activity in developing the IoT standard survey.

**Contact:** Gabrielle Owen

**E-mail:** gabrielle.owen@agentschaptelecom.nl

[**Attachment 1**](http://www.itu.int/md/R07-SG05-C-0261/en)**:** Draft New Recommendation – “Objectives, characteristics and functional requirements of wide-area sensor and/or actuator network (WASN) systems”
([Doc. 5/261](http://www.itu.int/md/R07-SG05-C-0261/en))

[**Attachment 2**](http://www.itu.int/md/R07-SG05-C-0302/en)**:** Draft New Report – “System design guidelines for wide area sensor and/or actuator network (WASN) systems” ([Doc. 5/302](http://www.itu.int/md/R07-SG05-C-0302/en))

[**Attachment 3**](#att3)**:** “IoT Standards Roadmap survey form”

ATTACHMENT 3

IoT Standards Roadmap survey form

1 Activity domain:

 *Wide area sensor and/or actuator network (WASN) systems*

2 Summary of the activity domain:

 *WASN systems provide a large number of sensors and/or actuators with M2M (Machine-to-Machine) service applications.*

 *As shown in Fig. 1, key characteristics of the systems are the following:*

*– They will accommodate extremely high density of WT (Wireless Terminal) such as in urban areas as well as low density of WT such as in rural areas.*

*– They typically operate at low transmission rates which will facilitate the deployment of large cells and allow low-density areas to be supported cost-effectively*.

FIGURE 1

System transmission rate and density of sensors and/or actuators supported by WASN systems



3 High-level overview diagram for the activity domain:

 *WASN systems can support a variety of service applications. Available service categories are described in Section 2 of Annex 2 of a [draft] new Recommendation ITU‑R M.[LMS.WASN]. In Fig. 2, these categories are summarized.*

FIGURE 2

WASN service applications



4 Relation with IoT:

 *WASN systems are wireless applications that provide ICT services such as environment monitoring, stolen goods tracing, monitoring of gas, water and electricity use for reducing environmental loads, personal security and health care, etc.*

5 List the applicable deliverables (standards) which are related to IoT following the proposed template in the below table.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Activity domain** | **Entity[[4]](#footnote-4)** | **Title of deliverable** | **Scope of deliverable[[5]](#footnote-5)** | **Current status** | **Starting date** | **Date (or target date) of approval** |
| WASN | ITU-RSG 5 WP 5AQ.250/5 | Objectives, characteristics and functional requirements of wide-area sensor and/or actuator network (WASN) systems | This Recommendation provides the objectives, system characteristics, functional requirements, service applications and fundamental network functionalities for mobile wireless access systems providing communications to a large number of ubiquitous sensors and/or actuators scattered over wide areas in the land mobile service.The key objective of WASN systems is to support machine-to-machine service applications irrespective of machine locations. | Draft new Recommendation | May 2009 | November 2011 |
| WASN | ITU-RSG 5 WP 5AQ.250/5 | System design guidelines for wide area sensor and/or actuator network (WASN) systems | This report provides detailed information for service applications, network architecture, system design guidelines, wireless applications and examples of wide area sensors and/or actuators network (WASN) systems. | Draft new Report | May 2009 | November 2011 |

### 5.2 Liaison statement to ITU-T Study Group 12 on Quality of Service requirements and objectives for wireless access systems

ITU-R Working Party 5A thanks ITU-T Study Group 12 for its reply liaison statement (Document [5A/722](http://www.itu.int/md/R07-WP5A-C-0722/en)).with comments on the working document towards a preliminary draft new Recommendation ITU-R M.[WAS.QoS] (Annex 9 to Document [5A/703](http://www.itu.int/md/R07-WP5A-C-0703/en)).

ITU-R Working Party 5A would like to inform ITU-T Study Group 12 that it has decided to stop the current work on this working document and to revisit the topic during the next study period.

With regard to the associated Question ITU-R 101-4/5 “Quality of service requirements in the land mobile service”, ITU-R Working Party 5A has recommended to the upcoming meeting of ITU‑R Study Group 5 (21-23 November 2011) to change the completion date for the related studies to be 2015.

Working Party 5A looks forward to continued cooperation with ITU-T Study Group 12 on this issue.

**Status:**  For information

**Contact:** Dr COSTA José (Chairman, WP 5A) **E-mail:** jose.costa@ericsson.com

### 5.3 Note to Director BR - Terms of reference of intelligent transport systems communications collaboration

ITU-R Working Party 5A supports the collaboration efforts on Intelligent Transport Systems (ITS) Communications, as presented in Document [5A/718(Rev.1)](http://www.itu.int/md/R07-WP5A-C-0718/en). WP 5A reviewed the draft Terms of Reference (ToR) of the ITS collaboration, and submits the following observations and comments:

1. In today’s environment, vehicle production and manufacturing relies on a global platform, which, among others, requires a harmonized set of communications standards that are fully interoperable across the communication layers (i.e. physical to applications).
2. The spectrum requirement and radiocommunication aspects of ITS in support of such globally harmonized communication standards strictly remain under the purview of ITU‑R.
3. WP 5A kindly requests that the draft ToR, including the potential initial work items (listed in the Annex of the draft ToR), be subject to future review and update.
4. WP 5A notes that two leading SDOs, ISO TC204 and ETSI TC ITS, are missing from the list of Collaboration Participants (see § 3 “Collaboration Participants” of the draft ToR), while one of the efforts envisions the conversion of currently published ISO and ETSI ITS communication standards into ITU-R and ITU-T Recommendations. Such effort would be difficult without the active participation of ISO TC204 and ETSI TC ITS among the Collaboration Participants.
5. WP 5A notes that the first task listed under the potential initial work items undertakes “a gap analysis and quality assessment of current ITS communications standards and creation of a plan to address identified needs”. WP 5A seeks clarification on the meaning of “gap analysis”.
6. WP 5A notes that a previous collaboration effort was undertaken by the “Advisory Panel for Standards Cooperation on Telecommunications related to Motor Vehicles (APSC TELEMOV)”.

<http://www.itu.int/en/ITU-T/apsc/Pages/default.aspx>

1. WP 5A suggests that the identification of standards needs previously undertaken by APSC TELEMOV be re-evaluated, updated and incorporated as part of the ITS Collaboration.
2. WP 5A questions the proposed “quality assessment of current ITS communications standards.” Specifically quality assessment of standards is ambiguous without pre-established criteria and a methodology to enable such evaluation.

Finally, in response to § 5 “Collaboration Management”, WP 5A nominates Mr. Paul Najarian to the “Collaboration Management”.

**Contact:** Mr. Paul Najarian **E-mail:** NajarianPB@state.gov

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

| **Liaison to** | **Title/Subject** | **Reference** | **Source:5A/TEMP/...** |
| --- | --- | --- | --- |
| MEF | Liaison statement to the Metro Ethernet Forum (MEF) – Draft New Recommendation ITU-R M.[WAS.QOS] | [Section 6.1](#s61) below | [[ 349 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0304) |
| Ext. Org. PPDR | Liaison statement to external organizations - Invitation to review Report ITU-R M.2014-1 - Digital land mobile systems for dispatch traffic | [Section 6.2](#s62) below | [[ 352 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0289) |
| Ext. Org. PPDR | Liaison statement to external organizations (PPDR) on the preliminary draft new Report ITU-R M.[LMS.PPDR.UHF CHANNELS] - Channelization scenarios for public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (WRC-03)  | [Section 6.3](#s63) below | [[ 342 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0285) |
| Ext. Org. WASN | Liaison statement to external organizations on "Wide-area sensor and/or actuator network (WASN) systems" | [Section 6.4](#s64) below | [[ 337 ]](http://www.itu.int/md/meetingdoc.asp?lang=en&parent=R07-WP5A-110613-TD-0298)(Rev.1) |

### 6.1 Liaison statement to the Metro Ethernet Forum (MEF) – Draft New Recommendation ITU-R M.[WAS.QOS]

ITU-R Working Party 5A thanks MEF for its Liaison Statement (Document [5A/707](http://www.itu.int/md/R07-WP5A-C-0707/en)).with information on related work underway in MEF and comments on the Working Document towards a Preliminary Draft New Recommendation ITU-R M.[WAS.QoS] (Annex 9 to Document [5A/703](http://www.itu.int/md/R07-WP5A-C-0703/en)).

ITU-R Working Party 5A would like to inform MEF that it has decided to stop the current work on this working document and to revisit the topic during the next Study Period.

With regard to the associated Question ITU-R 101-4/5 "Quality of service requirements in the land mobile service", ITU-R Working Party 5A has recommended to the upcoming meeting of ITU‑R Study Group 5 (21-23 November 2011) to change the completion date for the related studies to be 2015.

WP 5A looks forward to continued cooperation with MEF on this issue.

**Status:**  For information

**Contact:**  Sergio Buonomo **E‑mail:** sergio.buonomo@itu.int

 Norifumi Yamaguchi norifumi.yamaguchi@itu.int

### 6.2 Liaison statement to external organizations[[7]](#footnote-7) - Invitation to review Report ITU‑R M.2014-1 - Digital land mobile systems for dispatch traffic

Working Party 5A has reviewed and revised Report ITU‑R M.2014-1 “Digital land mobile system for dispatch traffic” and has prepared a working document towards this revision based on contributions received.

Report ITU-R M.2014-1 provides the technical and operational characteristics for spectrum efficient digital dispatch systems and also provides details of systems being introduced throughout the world.

Working Party 5A kindly invites external organizations to consider the working document towards the revision of Report ITU-R M.2014-1 which is attached below and provide any update or new material to complete the revision work.

During the course of drafting the revision and working group discussion, the attention of Working Party 5A was drawn to the status and current validity of the existing material entitled “International Project MESA” contained in the paragraph 1.2.1 of Annex 1 of the Report and Working Party 5A has therefore decided to particularly invite European Telecommunications Standards Institute (ETSI) and the Telecommunications Industry Association (TIA) to review and update this material. In the absence of any updating information, Working Party 5A would consider deletion of this paragraph and its references in other parts of the Report to maintain the Report up to date at Working Party 5A meeting in May 2012.

Working Party 5A has the objective to complete this revision work by the May 2012 meeting. In order to ensure consideration of input materials, external organizations are encouraged to submit materials to the May 2012 meeting, which has a deadline for input contributions of 15 May 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 May 2012.

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| **Contact:** | Sergio Buonomo | E-mail: sergio.buonomo@itu.int |
|  | Norifumi Yamaguchi |  norifumi.yamaguchi@itu.int |

**Attachment:** [Annex 5](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N05!MSW-E) to [Doc.5A/788](http://www.itu.int/md/R07-WP5A-C-0788/en) - Working document towards a preliminary draft revision of Report ITU-R M.2014-1 - Digital land mobile systems for dispatch traffic

### 6.3 Liaison statement to external organizations (PPDR) on the preliminary draft new Report ITU-R M.[LMS.PPDR.UHF CHANNELS] - Channelization scenarios for public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (WRC-03)

At its November 2011 meeting, ITU‑R WP 5A progressed development of the preliminary draft new Report ITU-R M.[LMS.PPDR.UHF CHANNELS], “Channelization Scenarios for Public Protection and Disaster Relief Operations in some parts of the UHF Band in Accordance with [Resolution 646 (WRC-03)](http://www.itu.int/oth/R0A0600001A/en)” based on input contributions received. WP 5A thanks those external organizations that provided input that enabled this progress and allowed the WP 5A to elevate the document from a ‘working document’ to a preliminary draft new report.

The preliminary draft new report is attached below. WP 5A kindly invites external organizations to review the information in the document and confirm the accuracy of the existing text.

WP 5A draws the attention of the external organizations to the fact that there is currently no channelization information for Technology B, corresponding to TETRA, and Technology C, corresponding to DMR, in Annex 2. WP 5A would like to include comparable channelization information on all included technologies. The external organizations are invited to provide revisions and further material that might be relevant for the continued development of the document.

Suggestions on all areas of the document are encouraged and welcome; the above is an area of particular concern.

In order to ensure consideration of input material, external organizations are encouraged to submit material to the 22 May – 1 June 2012 meeting of WP 5A, which has a deadline for input contributions of 15 May 2012 at 1600 UTC.

Upon receipt of your comments, if any, WP 5A will consider the material and take necessary action as appropriate.

WP 5A has completed the work on the draft new Recommendation ITU-R M.[LMS.PPDR.UHF TECH] “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)” ([Document 5/329](http://www.itu.int/md/R07-SG05-C-0329/en)) and submitted it to Study Group 5 for consideration. WP 5A thanks the external organizations for their earlier inputs toward the completion of the Recommendation.

*Note by the Secretariat: The draft ITU-R Recommendation in* [*Document 5/329*](http://www.itu.int/md/R07-SG05-C-0329/en) *was agreed by ITU‑R Study Group 5 on 22 November 2011 for the procedure for simultaneous adoption and approval.*

**Status:**

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| --- | --- | --- |
| **For action to:** | PPDR External Organizations |  |
| **Contact:** | Sergio BuonomoNorifumi Yamaguchi | E-mail: sergio.buonomo@itu.int norifumi.yamaguchi@itu.int |

**Electronic attachment:** [Annex 06](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0788!N06!MSW-E) to [Doc. 5A/788](http://www.itu.int/md/R07-WP5A-C-0788/en) “Preliminary draft new Report ITU-R M.[LMS.PPDR.UHF CHANNELS] - Channelization scenarios for public protection and disaster relief operations in some parts of the UHF band in accordance with Resolution 646 (WRC-03)”

## 6.4 Liaison statement to external organizations[[8]](#footnote-8) on "Wide-area sensor and/or actuator network (WASN) systems"

ITU-R Working Party 5A is working on “Mobile wireless access systems providing telecommunications for a large number of ubiquitous sensors and/or actuators scattered over wide areas in the land mobile service”, under [Study Group 5 Question ITU-R 250/5](http://www.itu.int/publ/R-QUE-SG05.250/en). This includes aspects of machine-to-machine (M2M) communications that your group may also be working on, or your systems/standards may be able to support.

WP 5A completed its work on two documents at the meeting (8-17 November 2011) for submission to the Study Group 5 meeting (21-23 November 2011) for approval.

These documents are attached for information (see Attachment 1 and Attachment 2).

WP 5A thanks the external organizations which contributed to this work via liaison statements.

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[**Attachment 1**](http://www.itu.int/md/R07-SG05-C-0261/en)**:** Draft New Recommendation – “Objectives, characteristics and functional requirements of wide-area sensor and/or actuator network (WASN) systems”
([Doc. 5/261](http://www.itu.int/md/R07-SG05-C-0261/en))

**[Attachment 2](http://www.itu.int/md/R07-SG05-C-0302/en):** Draft New Report – “System design guidelines for wide area sensor and/or actuator network (WASN) systems” ([Doc. 5/302](http://www.itu.int/md/R07-SG05-C-0302/en)).

*Note by the Secretariat: The draft New Recommendation in* [*Doc. 5/261*](http://www.itu.int/md/R07-SG05-C-0261/en) *was agreed by ITU-R Study Group 5 on 22 November 2011 for the procedure of simultaneous adoption and approval and the draft Report in* [*Doc. 5/302*](http://www.itu.int/md/R07-SG05-C-0302/en) *was approved.*

# Appendix 1 to Annex 2Reply Liaison Statement to Working Party 4C(Copy for information to Working Party 5D)Impact of increased MSS emissions inthe 2 483.5-2 500 MHz band

***NOTE:*** *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. The need to send (or not to send) this liaison statement will be reconsidered at the opening plenary of the ninth meeting of WP 5A.*

Working Party 5A thanks Working Party 4C for information on preliminary draft new Report ITU‑R M.[MSS-RDSS-Share] – “Compatibility between a proposed radiodetermination-satellite service (RDSS) and the incumbent services in the 2 483.5-2 500 MHz band” (Annex 4 to Document 4C/660) and has the following comments for WP 4C’s consideration:

1) All Sections of this preliminary draft new Report ITU-R M.[MSS-RDSS-Share], including Section 5.7, address sharing of RDSS with incumbent services and it is unclear to WP 5A if the impact of increased MSS emissions on the land mobile service can be derived from the RDSS figures.

2) Following Table 6-1 in Section 6 there are no results of interference studies from increased MSS emissions on the mobile service, except the SAP/SAB application, which may operate in the fixed service or mobile service.

Based on the above comments, and also depending on the outcome of WRC-12 on Agenda item 1.18, Working Party 5A would like to kindly seek clarification from WP 4C on the points above and looks forward to continued cooperation with WP 4C on this issue (incl. a possible joint meeting between WP 5A and WP 4C when SG 4 and SG 5 block meetings overlap in May 2012 if considered advantageous). Further consideration of the matter by WP 5A upon receipt of the clarification from WP 4C will also depend on the outcome of WRC-12 on Agenda item 1.18.

Working Party 5A further notes that the issue of increased MSS emissions in the 2 483.5-2 500 MHz band is also relevant for WP 5D since the 2 500-2 690 MHz band is identified for IMT. WP 5A assumes that necessary consultation is being carried out with the concerned Working Parties.

Working Party 5A looks forward to continue cooperation with WP 4C on this issue.

**Status:**  For action

**Contact:**  Alexander Klyucharev **E‑mail:** alexander.klyucharev@ties.itu.int

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1. <http://www.itu.int/ITU-R/index.asp?category=information&rlink=res647&lang=en> [↑](#footnote-ref-1)
2. Reference: <http://www.mccmag.com/onlyonline.cfm?OnlyOnlineID=264> [↑](#footnote-ref-2)
3. <http://www.itu.int/md/R00-CA-CIR-0013/en> [↑](#footnote-ref-3)
4. Official designation of the entity (e.g. ITU-T Study Group xy; ISO/IEC JTC 1/SC zw). [↑](#footnote-ref-4)
5. The term “deliverable” denotes an ITU Recommendation, a Focus Group Technical Specification or any other document developed by standard developing organizations (SDOs), forums or consortia that can be considered as a IoT related international standard or can support the development of a IoT related international standard. [↑](#footnote-ref-5)
6. See Section 4 in [Annex 1](http://www.itu.int/md/dologin_md.asp?lang=en&id=R07-WP5A-C-0703!N01!MSW-E) to [Doc. 5A/703](http://www.itu.int/md/R07-WP5A-C-0703/en). [↑](#footnote-ref-6)
7. 3GPP, 3GPP2, APCO, ARIB, ATIS, AWG, CDG, ETSI, ETSI EMTEL, ETSI ERM, IEEE, OASIS, Project MESA, TIA, TIA TR-45, TIA TR-45.5, TIA TR-8, TTA, UMTS Forum, WGET, and WiMAX Forum. [↑](#footnote-ref-7)
8. 3GPP; 3GPP RAN; 3GPP2; ARIB; ATIS; ETSI; ETSI ERM; IEEE; ISO/IEC JTC 1/WG 7; ISO/IEC JTC 1 SC 31 WG 6; TIA; TTA; WGA; and XGP Forum. [↑](#footnote-ref-8)