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| **Radiocommunication Study Groups** |  |
| **16th Meeting of Working Party 5D Sapporo, Japan, 10-17 July 2013** |  |
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| Attachment 5.14 to Document 5D/441  (Source: Document 5D/TEMP/238-E) |  |
| **17 July 2013** |
| **English only** |
| Working Party 5D | |
| Liaison statement to *WIRELESS MAN-ADVANCED* GCS Proponents and Transposing Organizations[[1]](#footnote-1) on the provision of transposition references and Certification C for Draft Revision 1 of Recommendation ITU-R M.2012 | |
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Introduction

Working Party 5D thanks the relevant *GCS Proponents* for their successful work in regards to completion of the milestone identified by Item 8 of Table 1 for the draft Revision 1 update of Recommendation ITU-R M.2012 “*Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)”* following the process in Document [IMT-ADV/26 Rev.1](http://www.itu.int/md/R07-IMT.ADV-C-0026/en), “*Schedule for the Revision 1 Update of Recommendation ITU-R M.2012”* (see the previous correspondence sent out by the Study Group 5 Counsellor on 13th Feb 2012)*.*

WP 5D wishes to inform the *GCS Proponents and the Transposing Organizations* that during its 16th meeting (10-17 July 2013 in Sapporo, Japan) the specific technology updates for the draft Revision 1 of Recommendation ITU‑R M.2012 (not including the full set of final detailed transposition references) were finalized and agreed.

**Next Steps**

The next step in the procedure to complete the draft revision requires the attention of the *Transposing Organizations* and is identified in Table 1 Item 9 of Document [IMT-ADV/26 Rev. 1](http://www.itu.int/md/R07-IMT.ADV-C-0026/en).   
This step is reproduced below:

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| **Extract from Document IMT-ADV/26, Table 1** | | | | |
| **Item** | **Entity** | **Meeting designation & timeframe** | **Action/Deliverable/Milestone** | **Specific Dates** |
| ***9*** | ***Transposing Organizations*** | Due to ITU-R approximately one month prior to the subsequent Meeting  (Approximately September of current revision year) | Delivery to ITU-R of transposition references by each ***Transposing Organization*** for incorporation into the WP 5D preliminary agreed draft revision of Rec. ITU-R M.2012.  Delivery to ITU-R of Certification C by each ***Transposing Organization****.* Completion of relevant business matters and indication of compliance with ITU policy on IPR, as appropriate*”* | **18 September 2013** |

**Explanation of Structure of Recommendation Related to *Wireless MAN-Advanced* Section 2.2 and Section 2.3**

In Document 5D/345 to the 16th meeting of WP 5D, the IEEE notified WP 5D about the restructuring of the IEEE specifications addressing the 801.16 specifications in general and the *Wireless MAN-Advanced* specifications specifically[[2]](#footnote-2).

In Document 5D/345, the IEEE, from their perspective, also indicated a complete replacement of the existing Section 2.2 in Recommendation ITU-R M.2012 (01-2012) with the new material corresponding to the restructured IEEE specifications. However, WP 5D was informed during the 16th meeting that two Transposing Organizations currently identified in Section 2.2 will continue to utilize the material in Section 2.2 in the draft Revision 1 of Recommendation ITU-R M.2012.

Consequently, WP 5D has structurally retained Section 2.2 as a self-contained and self-consistent section for the existing material and also added a corresponding new Section 2.3 as a self-contained and self-consistent section to accommodate the new material. Further information about these two sections is provided below.

Note: The inclusion or exclusion of any specific transposition tables from a Transposing Organization in either Section 2.2 or 2.3 is requested to be addressed through the use of Certification C as discussed subsequently in this liaison.

**For Section 2.2**

The material in Section 2.2 reflects the structure of the IEEE specifications from the first release of Recommendation ITU-R M.2012 (01-2012) prior to the IEEE revising the structure of the specifications related to *WirelessMAN-Advanced* on 8 June 2013.

Accordingly, the material in Section 2.2 reflects IEEE’s structure of the WirelessMAN-Advanced air interface specification IEEE Std 802.16 which is composed of IEEE Std 802.16-2009, as amended, consecutively, by IEEE Std 802.16j-2009, IEEE Std 802.16h-2010, and IEEE Std 802.16m-2011.

**For Section 2.3**

The material in Section 2.3 reflects the structure of the IEEE specifications subsequent to the IEEE revising the structure of the relevant IEEE specifications related to *WirelessMAN-Advanced* on 8 June 2013 beginning with this draft revision 1 of Recommendation ITU-R M.2012.

Accordingly, the material in Section 2.3 reflects IEEE’s transfer of the WirelessMAN-Advanced air interface specification to IEEE Std 802.16.1. The WirelessMAN-Advanced GCS for Section 2.3 includes IEEE Std 802.16.1 but not IEEE Std 802.16.

IEEE has further enhanced IEEE Std 802.16.1 with two amendments:

– IEEE Std 802.16.1a: WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems - Amendment: Higher Reliability Networks.

– IEEE Std 802.16.1b: WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems – Amendment: Enhancements to Support Machine-to-Machine Applications.

The content of these two standards is also included in Section 2.3

Request to Supply Transpositions References

WP 5D draws the attention of the *Transposing Organizations* to the need for each *Transposing Organization* to provide the relevant transposition references **for both**

* **Section 2.2 (specifically section 2.2.1)** as appropriate, consistent with the position indicated by the respective Transposing Organization for Sections 2.2 **by the requested firm deadline of 18 September 2013 *utilizing, if necessary, the track change editing* capability against the specific document enclosed with this liaison statement**.
* **Section 2.3 (specifically section 2.3.1)** as appropriate, consistent with the position indicated by the respective Transposing Organization for Sections 2.3 **by the requested firm deadline of 18 September 2013 *utilizing, if necessary, the track change editing* capability against the specific document enclosed with this liaison statement**.

Note: The enclosed document is the draft Revision 1 of Recommendation ITU-R M.2012 as finalized and agreed at the 16th meeting of WP 5D (not including the full set of final detailed transposition references).

Procedurally, the reply correspondence from the *Transposing Organizations* should be directed to the Counsellor for ITU-R Study Group 5 and not provided as inputs to WP 5D.

In the subsequent Step 10 of the process, the Counsellor for Study Group 5 will prepare a consolidated input to the 17th meeting of WP 5D (by approximately 2 October 2013) that combines all the received responses.

If there are questions on the preparation of the requested material by the *Transposing Organizations* they should be directed to the Counsellor well in advance of the 18 September 2013 deadline.

For reference, the identified *Transposing Organizations* for the enclosed draft Revision 1   
of Recommendation ITU-R M.2012 identified for Section 2.2.1 for the *WirelessMAN-Advanced* technologyare:

– [Institute of Electrical and Electronics Engineers, Inc](http://www.itu.int/cgi-bin/htsh/mm/scripts/undefined). (IEEE).

– Association of Radio Industries and Businesses (ARIB).

– Telecommunications Technology Association (TTA).

– WiMAX Forum.

And also the identified *Transposing Organizations* for Section 2.3.1 for the *WirelessMAN-Advanced* technologyare:

– [Institute of Electrical and Electronics Engineers, Inc](http://www.itu.int/cgi-bin/htsh/mm/scripts/undefined). (IEEE).

– Association of Radio Industries and Businesses (ARIB).

– Telecommunications Technology Association (TTA).

– WiMAX Forum.

– Industrial Technology Research Institute (ITRI)

WP 5D acknowledges the Certification B from the IEEE[[3]](#footnote-3) and has added the Industrial Technology Research Institute (ITRI) as an authorized *Transposing Organization* for Section 2.3.1.

Request to Supply Certification C

Each identified *Transposing Organization* is required to provide to ITU-R, **the Certification C** **for both Section 2.2 and Section 2.3 as independent certifications by 18 September 2013.**

The Transposing Organization are reminded of the option “C-2” in Certification C -

***“C-2\_\_\_\_\_\_\_ Transposing Organization*** does not provide transposing references (hyperlinks) to the ITU-R for the GCS submitted by the GCS Proponent **<INSERT NAME OF GCS PROPONENT and indicate the specific GCS by document number or other identifying means >.”**

which if selected as a response to either Section 2.2 or Section 2.3 would consequentially result in no transposition (references) tables being included in the respective Section 2.2 or 2.3 for that specific Transposing Organization in the draft Revision 1 of Recommendation ITU-R M.2012.

**Certification C** isoutlined in Document [IMT-ADV/25](http://www.itu.int/md/R07-IMT.ADV-C-0025/en) “*Procedure for the development of draft Revisions**of Recommendation ITU-R M.2012”* and Document [IMT-ADV/24 Rev.1](http://www.itu.int/md/R07-IMT.ADV-C-0024/en) *“Process And The Use Of Global Core Specification (GCS), References And Related Certifications In Conjunction With Recommendation ITU-R M.2012”.*

Procedurally, the **Certification C** from each *Transposing Organizations* should be directed to the Counsellor for ITU-R Study Group 5 and not provided as inputs to WP 5D.

The Counsellor will prepare as an input to the 18th meeting of WP 5D meeting a summary statement regarding the receipt of the **Certification C** documents.

Completion of Relevant Business Matters

As indicated, there is also the consequential step of, as necessary, the completion of relevant business matters by 18 September 2013 and the indication of compliance with ITU policy on IPR, as appropriate.

These matters should be directly addressed between the *Transposing Organization* and the ITU as appropriate via the contact point of the Counsellor for Study Group 5.

**Closure of the Draft Revision 1with References in WP 5D**

At its 17th meeting (9-16 October 2013, Geneva, Switzerland) WP 5D intends to review and seek final agreement of the full consolidated draft Revision 1 of Recommendation ITU-R M.2012 including the transposition references. It will then be forwarded to ITU-R Study Group 5 for consideration at its December 2013 meeting in accordance with the ITU-R approval process in Resolution ITU-R 1-6, especially §10.2.2 and §10.4.

WP 5D looks forward to the continued cooperation with the *Transposing Organizations* in these final steps on concluding this update of the IMT-Advanced terrestrial radio interfaces.

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

**Attachments:**

Draft Revision 1 of Recommendation ITU-R M.2012 as finalized and agreed at the 16th meeting of WP 5D (not including the full set of final detailed transposition references),Attachment 5.12 to Document 5D/441

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Form C (from Document IMT-ADV/24 Rev.1)

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1. [Institute of Electrical and Electronics Engineers, Inc](http://www.itu.int/cgi-bin/htsh/mm/scripts/undefined). (IEEE), Association of Radio Industries and Businesses (ARIB), Telecommunications Technology Association (TTA), WiMAX Forum, Industrial Technology Research Institute (ITRI).  
    [↑](#footnote-ref-1)
2. From Document 5D/345: On 8 June 2012, the IEEE-SA Standards Board approved IEEE Std 802.16.1 (*WirelessMAN-Advanced Air Interface for Broadband Wireless Access Systems*) as a new IEEE standard. IEEE Std 802.16.1 encompasses the WirelessMAN-Advanced air interface, with some minor improvements. On the same date, the Standards Board approved IEEE Std 802.16-2012 as a new revision of IEEE Std 802.16, which now excludes the WirelessMAN-Advanced air interface. [↑](#footnote-ref-2)
3. See Document [5D/437](http://www.itu.int/md/R12-WP5D-C-0437/en). [↑](#footnote-ref-3)