

Source: Document 5D/TEMP/172

**16 February 2009
English only**

Working Party 5D

LIAISON STATEMENT TO IEEE AND WIMAX FORUM

STATUS OF REVISION 9 OF RECOMMENDATION ITU-R M.1457

1 Introduction

At the 4th meeting of ITU-R Working Party 5D the work on revision 9 of Recommendation ITU-R M.1457 was addressed with a view towards completion of the revision 9 update.

With regard to the additional FDD component of the SRTT proposed in Documents 5D/357 and 5D/365, WP 5D has determined a way forward on the addition of the FDD component to the OFDMA TDD WMAN section 5.6.

Some Administrations (Documents 5D/389 and 5D/399) raised issues in line with the provision of Circular Letter 95 process for meeting “x+2”. Accordingly, there remains some “exceptional circumstances” that need to be clarified before final approval of Section 5.6 can be considered in the June 2009 meeting of Working Party 5D in order to submit the revision to Study Group 5 for its 7-8 December 2009 meeting.

2 Status of Section 5.6 and Future Action

The enclosed document in Attachment 1 to this liaison from Working Party 5D summarizes the conclusions and agreements taken in the 4th meeting of WP 5D and indicates the action plan and timeline for finalizing this specific portion (Section 5.6) of revision 9 of Recommendation ITU-R M.1457 in the 10-17 June 2009 meeting of WP 5D.

In particular, your attention is drawn to Section III and IV of the document for action within your organizations.

It is also requested that the proposed Attachment 1 developed by WP 5D from the submitted input material for Section 5.6 be confirmed by your organizations, or that you provide necessary corrections.

The established deadline for contributions to the June meeting is 16:00 hours UTC on 3 June 2009.

In addition, WP 5D reaffirms the previously established deadline for certifications of references and transposition as well as final references and other administrative information as 3 August 2009, resent for your convenience in Attachment 2 of this liaison.

WP 5D has not at this time defined a final schedule for the initiation and final completion of Revision 10 of Recommendation ITU-R M.1457, however, for planning purposes WP 5D is of the

current view that meeting “x” for the draft Revision 10 would not occur before meeting #6 (14-21 October 2009).

Contact: Colin Langtry
Counsellor, ITU-R SG 5
colin.langtry@itu.int

ATTACHMENT 1



Status of
revision(TD-0174!R1)

ATTACHMENT 2



Attachment 2
-Schedule for Revision

Source: Revision 1 to Document 5D/TEMP/174

17 February 2009
English only

Working Party 5D

STATUS OF DRAFT REVISION 9 OF RECOMMENDATION ITU-R M.1457

1

2 **I) Current status**

3 Working Party 5D has reviewed the submissions to the 4th meeting regarding the radio interface
4 technology revisions under the Circular Letter 8/LCCE/95 process.

5 WP 5D concludes the following, as further detailed in the remainder of this document:
6

M.1457 Section	Technology	Document	Circular Letter 95	Notes
5.1	CDMA-DS	5D/401	Section 4	
5.2	CDMA-MC	5D/406	Section 4	Additional TDD component of the SRTT for inclusion in draft Revision 9 to M.1457 subject to Note 1.
5.3	CDMA TDD	5D/401	Section 4	
5.4	TDMA-SC	5D/340	Section 4	Deletion of TDD from the indoor component of the SRTT
5.5	FDMA/TDMA	5D/338	Section 4	
5.6	OFDMA-TDD-WMAN	5D/357, 5D365	Section 4	Additional FDD component of the SRTT for inclusion in draft Revision 9 to M.1457 subject to Note 2.

7

8 **Note 1 Section 5.2**

9 In Section 6 of Circular Letter 8/LCCE/95 with regard to meeting X+2 in the process, it is noted
10 that:

11 **Meeting "x+2"** – The evaluation is completed for the proposed update to Recommendation
12 ITU-R M.1457, except for exceptional circumstances.

13 Some administrations have raised a point as an exceptional circumstance that they need to have
14 further investigation into the areas indicated in Section II (Areas of investigation) of this document
15 in order to reach a conclusion on this technology submission.

1 The additional TDD component of an SRTT proposed for inclusion in the CDMA-MC technology
2 is at this time proposed to be included in draft Revision 9 of Recommendation ITU-R M.1457
3 subject to achieving a satisfactory conclusion to the exceptional circumstances points that have been
4 raised.

5 In order to clearly distinguish the existing FDD and proposed additional TDD component in the
6 draft revision of Section 5.2 of Recommendation ITU-R M.1457-8, WP 5D has developed the
7 structure for Section 5.2 drawing from the submitted materials to the 4th meeting as shown in the
8 draft Revision 9 of Recommendation ITU-R M.1457 in Section IV of this TEMP document.

9 **Note 2 Section 5.6**

10 In Section 6 of Circular Letter 8/LCCE/95 with regard to meeting X+2 in the process it is noted
11 that:

12 **Meeting "x+2"** - The evaluation is completed for the proposed update to Recommendation
13 ITU-R M.1457, except for exceptional circumstances.

14 Some administrations have raised a point as an exceptional circumstance that they need to have
15 further investigation into the areas indicated in Section II (Areas of investigation) of this document
16 in order to reach a conclusion on this technology submission.

17 The additional FDD component of an SRTT proposed for inclusion in the OFDMA-TDD-WMAN
18 technology is at this time proposed to be included in draft Revision 9 of Recommendation
19 ITU-R M.1457 subject to achieving a satisfactory conclusion to the exception circumstances points
20 that have been raised.

21 In order to clearly distinguish the existing TDD and proposed additional FDD component in the
22 draft revision of Section 5.6 of Recommendation ITU-R M.1457-8, WP 5D has developed the
23 structure for Section 5.6 drawing from the submitted materials to the 4th meeting as shown in the
24 draft Revision 9 of Recommendation ITU-R M.1457 in Section IV of this TEMP document.

25 **II) Areas of investigation**

26 a) The German Administration is of the view that the integration of a TDD interface into
27 a FDD interface and vice versa could significantly impact on spectrum related matters, which also
28 include certain coexistence aspects.

29 Germany therefore requests that at least those issues are addressed by WP 5D before the modified
30 Recommendation is adopted, that could cause interference between different services and
31 applications in the relevant frequency bands and impact on spectrum related matters.

32 Some of those issues are already addressed in contribution 5D/389 in a general manner. For a more
33 detailed description of those as well as other spectrum related issues, where Germany had expected
34 that they would be addressed by the procedures as described in CL/95, Germany will examine the
35 contributions to WP 5D provided by the proponents of the modified interfaces, to identify those
36 items that could have an impact on the usage of the spectrum.
37

1 b) Based on the content of contribution 5D/399, France explained the reasons why an
2 evaluation for new interfaces was considered as appropriate. Since WP 5D has decided not to
3 evaluate the proposals for FDD in Documents 5D/357 and 5D/365, and TDD in Document 5D/406
4 as new interfaces (according to the definitions of an evaluation in the CL 8/LCCE/95), France
5 explained that its main concern is relating to CL 8/LCCE/95, Sect. 9.1 (Benefits of the proposed
6 enhancement): the proponent should show the added value of going ahead with the enhancement.
7 Specifically, additional service capabilities (e.g. bit rate, multimedia), QoS, performance
8 capabilities, and reduction in complexity should be explained.

9 **III) Timelines for conclusion**

10 In order for WP 5D to meet the schedule for draft Revision 9 of Recommendation ITU-R M.1457 to
11 be submitted to Study Group 5 at its 7-8 December 2009 meeting, it is noted that the external
12 organizations would provide certifications of references and transposition as well as final references
13 and other administrative information called for in the original schedule by 3 August 2009
14 (see Document 5D/97 Chapter 6 Attachment 6.9).

15 Consequently WP 5D seeks to complete draft Revision 9 of Recommendation ITU-R M.1457 *for*
16 *all the technology proposals* at the 5th meeting of WP 5D (10-17 June 2009). To this end the
17 following plan is agreed by WP 5D:

- 18 1) The concerned administrations as per Documents 5D/389 and 5D/399 seeking information
19 in the “Areas of investigation” are to provide an early input contribution to WP 5D through
20 the normal means by no later than 25 March 2009 to provide specific guidance to the
21 technology proponents on what additional information is required to satisfactorily agreed
22 and conclude the additional radio transmission technologies proposed for Sections 5.2
23 and 5.6.
- 24 2) The proponents are requested to provide inputs to the June meeting of WP 5D towards
25 closure of this open area.
- 26 3) The administrations and the proponents are encouraged to conduct dialog in the intervening
27 period to promote understanding and a positive closure of this open area.
- 28 4) Working Party 5D intends to conclude on these remaining areas in its 10-17 June 2009
29 meeting.
- 30 5) The fourth meeting of Working Party 5D will provide a liaison to the proponents informing
31 them of the situation, the way forward and the timelines.

32 **IV) Draft Revision 9 of Recommendation ITU-R M.1457**

33 NOTE – Included as embedded file :



[Note: See file as Attachment to this PDF.]

34
35
36
37

ATTACHMENT 2

Source: Document 5D/97 Chapter 6 Attachment 6.9

Liaison statement to external organizations on the schedule for updating Recommendation ITU-R M.1457 to Revision 9

Introduction

This liaison provides guidance to External Organizations regarding updates of the terrestrial radio interfaces in the development of Revision 9 of Recommendation ITU-R M.1457

(“Detailed specifications of the radio interfaces of IMT-2000”).

Background

The Radiocommunication Assembly 2007 (15-19 October 2007) established a new ITU-R Study Group 5 “Terrestrial services”. All of the studies on terrestrial services which were conducted by the former ITU-R Study Groups 8 and 9 will henceforth be undertaken by Study Group 5.

To allow the work on International Mobile Telecommunications (IMT)¹ to proceed, the studies associated with IMT have been assigned, as an interim measure, to Working Party 5D (WP 5D).

Prior to the next meeting of Study Group 5 on 10-11 November 2008, it is not possible to know with certainty the final working party structure of the Study Group, nor to which Working Party the revision of Recommendation ITU-R M.1457 will be assigned during the remainder of the new Study Period. Likewise, the meeting schedule of the group maintaining M.1457 is not finalized, but it has been planned following certain assumptions. Nevertheless, for the purpose of this announcement, WP 5D assumes that it will be responsible for Rec. ITU-R M.1457 and will meet on the dates provided in Table 1. Should this information change, WP 5D expects that the development of Revision 9 will proceed on a similar schedule.

TABLE 1

Tentative WP 5D and SG 5 meetings

GROUP	No	START	STOP
WP 5D	2	24 Jun 08	1 Jul 08

¹ The Radiocommunication Assembly 2007 approved Resolution ITU-R 56 “Naming for International Mobile Telecommunications”. In accordance with resolves 3 of that Resolution, the term “IMT” is the root name that encompasses both IMT-2000 and IMT-Advanced.

WP 5D	3	8 Oct 08	15 Oct 08
SG 5	2	10 Nov 08	11 Nov 08
WP 5D	4	11 Feb 09	18 Feb 09

Confirmed meeting dates for 2008 will be published on the ITU website (<http://www.itu.int/events/upcomingevents.asp?sector=ITU-R&lang=en>) along with planned dates for 2009 and beyond.

Procedure

The procedure outlined in Circular Letter [8/LCCE/95](#) applies to the development of Revision 9.

Schedule

In accordance with 8/LCCE/95, ITU-R has historically updated Recommendation ITU-R M.1457 approximately annually using a three-meeting cycle. WP 5D intends to maintain this annual update process. However, development of the work is inevitably tied to meetings of the responsible Working Party and Study Group. In this case, due to the uncertainty in the meeting schedules, the full Revision 9 development schedule cannot be determined precisely. Nevertheless, WP 5D announces that the first meeting in the development of Revision 9 will be WP 5D Meeting No. 2, has been confirmed as 24th Jun – 1st Jul 2008.

Inputs for M.1457 updates

The summary of inputs or correspondence required for terrestrial component updates in the ninth Revision of Recommendation ITU-R M.1457 is found in Table 2. Inputs listed in the first part ("Technical input") of the table are the ones required according to Circular Letter 8/LCCE/95 to be submitted to WP 5D. It is clarified that WP 5D needs to receive only one submission of those inputs (i.e. "Technical input") per each terrestrial radio interface. Inputs listed in the second part of Table 2 ("Administrative input") are of administrative nature. Those inputs need to be submitted to the ITU-R SG 5 Counsellor by each and every individual SDO that is stakeholder to any proposed change. With specific reference to the Letters of Conveyance, it is further clarified that they are needed only in case of modification or addition/deletion to the Global Core Specifications.

TABLE 2

Summary of inputs or correspondence required for terrestrial component updates in the ninth revision of Recommendation ITU-R M.1457

	Section ¹	Item	Final Date ⁵
Technical input^{6,7} (to be submitted to WP 5D)	5.X.1 5.X.2	Overview section required Titles and tables required Global Core Specification submitted Summary and rationale of update Self-evaluation Self-declaration of consistency	16:00 hours UTC, 4 February 2009 (based on planned meeting dates)
Administrative input (to be submitted to ITU-R SG 5 Counselor by each stakeholder SDO)	5.X.2	Letters of conveyance ^{2,4}	16:00 hours UTC, 4 February 2009 (based on planned meeting dates)
		Certifications of references and transposition³ Final references required	16:00 hours UTC, 3 August 2009 (based on planned meeting dates)

NOTE 1 – The baseline document (based on M.1457-8) that shall be used by WP 5D in their internal work and by the External Organizations in submitting their changes for development of M.1457-9 shall be provided by the ITU-R SG5 Counselor.

NOTE 2 – As per Document IMT/2(Rev.1) (<http://www.itu.int/osg/imt-project/docs/002r1.pdf>).

NOTE 3 – As per Document IMT/1(Rev.2) (<http://www.itu.int/osg/imt-project/docs/001r2.pdf>).

NOTE 4 – Letters of conveyance have to be received 16:00 hours UTC, 4 February 2009 (based on planned meeting dates). If the SDOs alter their position with respect to Part B of the Letter of conveyance, the SDO must submit directly to the ITU-R SG 5 Counselor by 16:00 hours UTC, 3 August 2009 (based on planned meeting dates) "letters of conveyance, Part B only" together with the final references.

NOTE 5 – The dates indicated in the table are the final ones for documents to be received by ITU, established as 16:00 hours UTC, 7 days prior to the start of the scheduled meeting.

NOTE 6 – If the proposed changes affect section 5.X.2 only, then only a subset of the listed items are needed (i.e. Summary and rationale of update, and self declaration of consistency with 5.X.1 and the GCS, as per CL 8/LCCE/95 Section 3; it is further clarified that, if titles and/or synopsis in 5.X.2 are modified, the modified 5.X.2 has to be submitted, as well).

NOTE 7 – Inputs listed in the first part ("Technical input") of the table are the ones required according to Circular Letter 8/LCCE/95 to be submitted to WP 5D. It is clarified that WP 5D needs to receive only one submission of those inputs (i.e. "Technical input") per each terrestrial radio interface.

Contact: Colin Langtry
Counsellor, ITU-R SG 5
colin.langtry@itu.int