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Re:	
Abstract	Report on June-July 2008 meeting of ITU-R Working Party 5D
Purpose	
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Report to IEEE 802.18 TAG on ITU-R WP 5D Meeting #2

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15 July 2008

Introduction

Working Party 5D (WP 5D) held its Meeting #2 in Dubai on 28 June - 1 July 2008. IEEE's delegates were Roger Marks of 802.16 and Bruce Kraemer of 802.11.

The Working Party continues in "temporary" mode until the full structure of Study Group 5 (for the study period until 2011) is concluded when SG 5 meets in November 2008. Prior to that date, WP 5D has planned its Meeting #3 for 8-15 Oct 2008 in Seoul, Korea, with an IMT-Advanced Workshop (more details below) now scheduled for 7 October.

IEEE Contributions

IEEE had submitted seven contributions to this meeting. Three were related to IMT-2000 developments:

* ITU 5D/113: *Revision of M.1457 Administrative Procedures*
* ITU 5D/114: *Revision of M.1457 Introduction*
* ITU 5D/122: *Update of Subclause 5.6 of Rec. ITU-R M.1457*

Three more concerned IMT-Advanced:

* ITU 5D/109: *Request for Clarification on Steps 2 and 3 of The Submission and Evaluation Process for IMT-Advanced*
* ITU 5D/112: *Proposed Changes in Section 4 of ITU-R IMT-Advanced/IMT.TECH Document*
* ITU 5D/119: *Proposed Changes in Sections 5 and 6 of ITU-R IMT-Advanced/ IMT.TECH Document*

The seventh contribution responded to a liaison statement from WP 5D:

* ITU 5D/108: *Request for Clarification on the Formula in the WP 5D Liaison Statement on OFDMA TDD WMAN BS and MS ACS Values*

Spectrum

IEEE's contribution ITU 5D/108 was reviewed, as was the WiMAX Forum's response (ITU 5D/108) to the same liaison statement. WP 5D prepared a response back to both organizations (TEMP/75R1). It requests more time to address the IEEE's questions; in the meantime, it requests further information.

IMT-2000

At Meeting #1, WP 5D had issued a liaison statement outlining its plan to develop the next version (Rev. 9) of the IMT-2000 radio interface specification (ITU-R Rec. M.1457) over the next three meetings. Accordingly, IEEE 802.16 developed contribution ITU 5D/122 proposing the update of the IMT-2000 OFDMA TDD WMAN radio interface. Additional update notifications were provided to address all six IMT-2000 radio interfaces. These contributions were reviewed by the M.1457 Sub-Working Group (SWG), which determined that all had met the "meeting x" requirements and it awaited more detailed material at subsequent meetings.

The M.1457 considered IEEE's contribution ITU 5D/113 on "Revision of M.1457 Administrative Procedures," along with an alternative view expressed in ITU 5D/183. IEEE's concerns were discussed. Its specific proposal was not agreed. The meeting report stated the following about the discussion:

> *Some views were expressed that the text in Doc. IMT/2(Rev.1) could benefit from some clarifications. Due to the nature of the Document IMT/2(Rev.1) and the issues raised, it was suggested that this matter should be discussed with the BR by the concerned parties.*

IEEE's ITU 5D/114 ("Revision of M.1457 Introduction") was considered. Most of IEEE's proposed edits were agreed for inclusion in M.1457-9, with the results recorded in ITU TEMP/73. However, one aspect of IEEE's proposal – to delete the characterization of IMT-2000 as "third generation" – lacked consensus, with an alternative view expressed in ITU 5D/182. The suggestion led to formation of a drafting group, which agreed on an alternative to the first paragraph of M.1457. However, no decision could be agreed within the SWG. As a result, TEMP/73

carries forward to the next meeting both the original version of the first paragraph and the alternative version agreed in the drafting group.

The M.1457 SWG reviewed a question from an Adminstration that was raised at the February SG 5 meeting concerning support for global roaming by OFDMA TDD WMAN. The result was a liaison statement (TEMP/70v2) to IEEE and the WiMAX Forum notifying each of them of a note that WP 5D intends to send to SG 5 following the October meeting,

IMT-Advanced Circular Letter and Procedures

Several contributions (including IEEE's 5D/109) addressed the procedures, released in February, for the development of IMT-Advanced. As a result, a number of changes and clarifications were agreed, as recorded in TEMP/86R1v2. This will apparently lead to the posting of IMT-ADV/2Rev1 on the IMT-Advanced web site <http://www.itu.int/ITU-R/go/rsg5-imt-advanced>. The required deliverables have been significantly clarifed, but the timeline has not changed. WP 5D did not address IEEE's concern regarding the ambiguity of the three-meeting submission process and the purpose of the first two meetings in the process.

IMT-Advanced Technical Requirements

The IMT-Advanced Technical Requirements were concluded as TEMP/89R1v2. Many changes were made to the previous draft. In many cases, the resulting requirements are more stringent than those recommended by IEEE in ITU 5D/112. Sections 5 and 6 of the document were deleted, which is substantially in accordance with IEEE's document ITU 5D/119.

IEEE's proposed footnote to eliminate VoIP capacity requirements from the indoor and microcellular test environments for devices operating at less than 20 dBm was not incorporated.

The agreed document will be a Draft Report. The working name remains IMT.TECH, but, following approval by SG 5 (presumably in November 2008), a report will be issud with an assigned ITU-R document number.

IMT-Advanced Evaluation Criteria and Methodology

Major effort was put into finalizing the draft report, temporarily designated as IMT.EVAL, on evaluation criteria and methodology. However, the document (TEMP/90R1v2) could not be concluded. Further work will proceed at the October meeting.

A decision was taken to agree on the channel models in the IMT.EVAL working document.