

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Characteristics of Wireless Metropolitan Area Networks – Follow up to contributions to ITU-R	
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Source(s)	José M. Costa ITU-R Liaison Official NORTEL P.O. Box C-3511 Ottawa, Ontario CANADA K1Y 4H7	Voice: +1 613 763-7574 Fax: +1 613 765-1225 costa@nortel.com
Re:	IEEE Contribution to ITU-R Joint Task Group 6-8-9, Document IEEE L802.16-04/42r4	
Abstract	This documents provides information about the results of the meeting of ITU-R JTG 6-8-9 (Geneva, 24-28 January 2005), in particular the IEEE contribution on Characteristics of Wireless Metropolitan Area Networks. It also provides information about related discussions in ITU-R WP 8F.	
Purpose	For information of IEEE 802.16 and to propose that further details on Characteristics of Wireless Metropolitan Area Networks be provided to ITU-R JTG 6-8-9 by July 2005.	
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Characteristics of Wireless Metropolitan Area Networks – Follow up to contribution to ITU-R

José M. Costa
ITU-R Liaison Official

1. Introduction

The purpose of this contribution is to provide a brief report of the results of the IEEE contribution to ITU-R JTG 6-8-9 (Document [IEEE L802.16-04/42r4](#)), which was well received by JTG 6-8-9, but additional information is necessary (see Section 2).

The same IEEE contribution was considered at a meeting of ITU-R WP 8F (IMT-2000) on 1-8 February 2005 in Geneva and a brief report is given in Section 3.

It is proposed that that further details on Characteristics of Wireless Metropolitan Area Networks be provided in an IEEE contribution to ITU-R JTG 6-8-9 by July 2005.

2. Highlights of ITU-R JTG 6-8-9

ITU-R Joint Task Group 6-8-9 (JTG 6-8-9) held its second meeting from 24-28 January 2005 in Geneva. The purpose of JTG 6-8-9 is to prepare draft CPM¹ text on WRC-07 Agenda Item 1.9².

The results are in the chairman's report (ITU-R [Doc. 6-8-9/46](#)), which is available from the ITU web site for those with a TIES³ userid. The documents of this group are available [here](#) (IEEE 802.16 members without a TIES userid may ask the IEEE 802.16 ITU-R Liaison Officer for a copy of any documents required).

The Working Document on “Characteristics of terrestrial systems for consideration in studies under Agenda Item 1.9 of WRC-07” (Annex 2 to [Doc. 6-8-9/46](#)) is provided in Document [IEEE L802.16-05/14](#).

In the ITU-R Working Document, Sections 1 and 3 include the characteristics contributed by IEEE (in document ITU-R [Doc. 6-8-9/41](#) or [IEEE L802.16-04/42r4](#)).

There was a request for further clarification of antenna parameters for the next meeting. Without those it might not be possible to use the IEEE characteristics for sharing studies with satellite systems.

The [third meeting](#) of JTG 6-8-9 is tentatively scheduled for 25-31 August 2005 in Seoul, Korea. Therefore a contribution from IEEE would need to be approved at the July meeting of IEEE 802.16 at the latest. IEEE 802.16 should prepare the required material for the IEEE contribution to ITU-R JTG 6-8-9.

¹ Conference Preparatory Meeting (CPM), a meeting held prior to a World Radiocommunication Conference (WRC).

² Agenda item 1.9 is “to review the technical, operational and regulatory provisions applicable to the use of the band 2 500-2 690 MHz by space services in order to facilitate sharing with current and future terrestrial services without placing undue constraint on the services to which the band is allocated”.

³ <http://www.itu.int/TIES/intro.html>

3. Proposed Sharing Studies in ITU-R Working Party 8F

ITU-R Working Party 8F (WP 8F) on IMT-2000 radio standardization held its 15th meeting from 1-8 February 2005 in Geneva, Switzerland. At this meeting, input contributions were received relating to coexistence studies of OFDM-based broadband wireless access systems with IMT-2000 systems in the 2 500-2 690 MHz band. It was agreed to conduct sharing studies initially between IMT-2000 and fixed broadband wireless access systems including nomadic applications. A liaison statement was sent to Working Parties 8A, 9B and 9D asking for technical information regarding non-IMT-2000 broadband wireless access systems and material relevant to these sharing studies.

Canada submitted a contribution to WP 8F that pointed to the IEEE contribution in JTG 6-8-9 ([Doc. 8F/407](#)), so this information was available to WP 8F during the meeting.

The report of the sharing studies group in WP 8F is provided in Document [IEEE L802.16-05/15](#). The ITU-R WP 8F documents are available (with TIES password) [here](#).

4. Proposal

It is proposed that IEEE 802.16 gather further information on parameters of typical IEEE 802.16 systems in the band 2500-2690 MHz with a view of developing contribution(s) to ITU-R.
