

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >
Title	Reorganization of Table of contents
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Source(s)	Ronny (Yong-Ho) Kim ronnykim@lge.com Wookbong Lee wookbong@lge.com LG Electronic Inc.
Re:	Call for Contributions on Requirements for 802.16m - Advanced Air Interface, 802.16m-07/004
Abstract	This contribution proposes reorganization of table of content to reflect IMT-Advanced requirements (8F/TEMP/496-E).
Purpose	For discussion and approval
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01. Background

ITU-R WP8F made draft requirements document in January 2007 Cameroon meeting. As identified in the 802.16m PAR, 802.16m shall meet the cellular layer requirements of IMT-Advanced next generation mobile networks. It is important to reflect the IMT-Advanced requirements for 802.16m requirements.

Current table of contents of IMT-Advanced minimal requirements is:

- 1 Introduction
- 2 Scope and Purpose
- 3 Related Documents
- 4 General Requirements
- 5 Technical Requirements
 - 5.1 Technological items required to describe candidate air interface
 - 5.1.1 Radio transmission technologies functional blocks
 - 5.1.2 Other functional blocks
 - 5.2 Required technology items for evaluation
 - 5.2.1 Spectrum efficiency/ Coverage efficiency
 - 5.2.2 Technology complexity
 - 5.2.3 Quality
 - 5.2.4 Flexibility of radio interface
 - 5.2.5 Implication on network interface
 - 5.2.6 Cell Coverage
 - 5.2.7 Power efficiency
 - 5.2.8 Spectrum compatibility
 - 5.2.x xxxxxxxxxxxxxxxxxxxxxxxxx
- 6 Conclusions
- 7 Terminology, abbreviations
- Appendices
- Appendix 1.
 - 1 Spectrum and deployment
 - 2 Radio Access Interface and Network
 - 2.1 Network topology
 - 2.2 Duplexing
 - 2.3 Multiple-Access technologies
 - 2.4 Multiple-Antenna technologies
 - 2.5 Channel Coding
 - 2.6 Mobility management and RRM
 - 3 Mobile user interface
 - 3.1 Mobile user terminal design
 - 3.2 New innovative network to humane interfaces
 - 3.3 Human-free interface
 - 3.4 RF micro-electro-mechanical systems (MEMS)
- Appendix 2.
 - 1 The multi-antenna system application scenario
 - 2 MIMO's impact on mobility

02. Proposed text change

[Change the table of contents in 80216m-07_002, as follows]

- 1 Overview
- 2 References
- 3 Definitions
- 4 Abbreviations and Acronyms
- 5 General Requirements
 - 5.1 Legacy Support
 - 5.2 Complexity
 - 5.3 Services
- 6 ~~Functional~~ Technical Requirements
 - 6.1 Technological items required to describe candidate air interface
 - 6.2 Required technology items for evaluation
 - ~~6.1~~6.2.1 Peak Data Rate
 - ~~6.2~~6.2.2 Latency
 - ~~6.3~~6.2.3 QoS
 - ~~6.4~~6.2.4 Radio Resource Management
 - ~~6.5~~6.2.5 Security
- 7 Performance Requirements
 - 7.1 User throughput
 - 7.2 Spectrum efficiency
 - 7.3 Mobility
 - 7.4 Coverage
 - 7.5 Enhanced Multicast-Broadcast

Appendices

- 81 Deployment-related requirements
 - 81.1 Legacy Support
 - 81.2 Spectrum Requirement
 - 81.3 System Architecture
 - 81.4 System Migration
- 92 Usage Models

References

- [1] IEEE C802.16m-07/002: Draft IEEE 802.16m Requirements, January 2007.
- [2] IEEE 802.16m PAR
- [3] Recommendation ITU-R M.1645: Framework and overall objectives of the future development of IMT-2000 and systems beyond IMT-2000, January 2003.
- [4] ITU-R Document 8F/TEMP/495-E: Draft Guidelines for Evaluation of Radio Transmission Technologies for IMT-Advanced, January 2007.
- [5] ITU-R Document 8F/TEMP/496-E: Draft [Report on] Requirements Related to Technical System Performance for IMT-Advanced Radio Interface(s), January 2007.