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Title	Comments on the TOC of Task Group Working Document [1]	
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Re:		
Abstract	Proposes changes on the baseline ToC (<u>C80216j-06_017r1.pdf</u>)	
Purpose	This contribution is in response to call for comments as advertised in <u>C80216j-06_018.pdf</u>	
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<u>Comments on the</u> Table of Contents of Task Group Working Document

Mike Hart & JungJe Son

Relay TG Editors

Introduction

This document is provided in response to the authorization of the TG editors through a motion passed by the Relay TG at session #44 to draft an initial Table of Contents of the Task Group working document.

As this is an editorial task, the number of sections taken from the existing standards documents (IEEE Std. 802.16-2004, IEEE Std. 802.16-2005, IEEE Std. 802.16-2004/Cor1-2005) is kept to those that can be considered as obvious. These are sections that already exist where at a minimum clarification would be required to explain the impact of the introduction of a relaying mechanism and/or a relaying entity (i.e. relay station) on the existing features. Similarly, new sections are also added where MMR specific procedures are needed.

This ToC is a guideline document. It does not provide an exhaustive list of sections. It is possible that some of these sections may be found unnecessary, and some other new section may be added, as the 802.16j draft matures.-

It is the view of the editors that determining whether or not further sections should be added requires some technical decisions to be made. Furthermore, as the editors were specifically instructed to create the ToC based on the existing standard, it is outside of their power to propose new sections at this time.

Consequently, an extensive list of sections is not provided at this point in time and it is left to the Task Group through comments and contributions in Session #45 to build on this basic list to work towards developing an initial Table of Contents for the Project 802.16j Baseline Task Group Document.

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- 1. Overview
- 1.1 Scope
- 1.2 Purpose
- 1.3 Frequency bands
- 1.3.4 Air interface nomenclature and PHY compliance
- 1.4 Reference model
- 2. References
- 3. Definitions
- 4. Abbreviations and acronyms
- 6. MAC common part sublayer 6.1 PMP
- 3

6.1.1 Mobile multi-hop relay (MMR) 6.3 Data/Control plane 6.3.1 Addressing and connections 6.3.1.3 MMR addressing and connections 6.3.2 MAC PDU formats 6.3.3 Construction and transmission of MAC PDUs 6.3.3.8 MMR support 6.3.4 ARQ mechanism 6.3.4.7 MMR ARO mechanism 6.3.6 Bandwidth allocation and request mechanisms 6.3.6.7 MMR support 6.3.7 MAC support of PHY 6.3.7.7 MMR support 6.3.8 Contention resolution 6.3.8.2 Contention resolution for MMR 6.3.9 Network entry and initialization 6.3.9.16 MMR network entry and initialization 6.3.9.16.1 RS capability 6.3.9.16.2 RS registration 6.3.10 Ranging 6.3.10.3 OFDMA-based ranging 6.3.10.3.4 MMR OFDMA-based ranging 6.3.11 Update of channel descriptors 6.3.12 Assigning SSs to multicast groups 6.3.12.1 MMR support 6.3.13 Establishment of multicast and broadcast transport connections 6.3.13.1 MMR support 6.3.14 QoS 6.3.14.10 MMR support 6.3.17 MAC support for HARQ 6.3.17.5 MMR HARQ mechanism 6.3.18 DL CINR report operation 6.3.18.3 DL CINR report for RS 6.3.19 optional Band AMC operations using 6-bit CQICH encoding 6.3.21 Sleep mode for mobility-supporting MS 6.3.21.1.7 MMR support for sleep mode 6.3.22 MAC layer handover procedures 6.3.22.4 MMR support for handovers 6.3.23 Multicast and broadcast services (MBS) 6.3.24 MS Idle Mode (optional) 6.3.24.10 MMR support for MS idle mode 6.3.25 MMR scheduling mechanism 6.3.26 MMR power control 6.3.27 Mobile RS Handover

- 6.3.28 RS neighbor detection, maintenance and deletion
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- <Propose to add the following sub-clause>
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- 7.6 Certification profile
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- 8.4.4 Frame structure
- 8.4.4.6 Optional AAS support
- 8.4.4.6.5 AAS support for MMR
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- 8.4.11 Channel quality measurements
- 8.4.11.5 Channel quality measurements for MMR
- 8.4.12 Transmitter requirements
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- 8.4.13.4 Synchronization requirements for MMR
- 8.4.14 Frequency control requirements
- 8.4.15 Optional HARQ support
- 8.4.16 Antenna type for MMR

9. Configuration

10. Parameters and constants

<The existing tables and sub-sections will be enhanced/modified for MMR>

10.1 Global values

10.2 PKM parameter values

10.3 PHY-specific values

10.4 Well-known addresses and identifiers

11. TLV Encodings

<TLVs will be added as per changes in the MAC messages>

<u>Reference</u>

[1] IEEE 802.16j-06/017r1, "TOC of Task Group Working Document" by Mike Hart & JungJe Son.