

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >		
Title	Modified structure of the 802.16h Working Document		
Date Submitted	2006-05-11		
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Re:	IEEE 802.16h-06/011 – Working Group Review reviewing on C80216h-06_028 Modified structure of the 802.16h Working Document		
Abstract	Proposes a more logical structure which will allow better understanding of the existing mechanisms		
Purpose			
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Modified structure of the 802.16h Working Document

Wu Xuyong (Huawei)

Introduction

To make the WD to be easy understood, we need to add more summarize information in the general clause of the WD, and reconstruct the WD. Here is the proposed changes for the new structure, after further consideration in the TG, we can make out a instruction for the editor to WD reconstruction.

Proposed Changes

New paragraph Number	New paragraph Title	Old paragraph (page/row up to page/row) to move	Notes
15.1	General	15.1(18/45...19/36)	
15.1.1	Component and relationship	new	Adopt from C80216h-06_032
15.1.2	Architecture for WirelessMAN-CX	15.2.2	
15.1.3	Procedure in WirelessMAN-CX	15.2.1.3 38/7~41/53	
15.1.4	Mechanisms in WirelessMAN-CX		Adopt from C80216h-06_032 and add the figure shown in this paper and make out the description later on
15.1.5	Frame Structure		Should add a figure show the difference between CSI&CMI
15.1.5.1	Frame Structure for interference identification		
15.1.5.1.1	Frame Structure for signaling	15.2.1.1.3	Xuyong
15.1.5.1.2	Frame Structure for messaging	15.2.1.1.7	John
15.1.5.2	Frame Structure for interference prevention & Resulation		Mariana
15.2	Before the WirelessMAN-CX procedure		
15.2.1	Synchronization between WirelessMAN-CX systems	15.7.2.1	
15.2.2	Scanning before interference identification	15.7.1.1,15.7.1.2	
15.2.3	DFS	15.4.2	
15.3	Interference identification	15.3	
15.3.1	Signaling mechanism	new	
15.3.1.1.	Energy keying in time domain	new	Xuyong
15.3.1.1.1	CSI scheduling	15.3.1.1.1	
15.3.1.1.2	CSI Frame Structure	15.2.1.1.5	
15.3.1.1.3	Engery Symbols used in CSI	15.2.1.1.4	

15.3.1.2	Energy keying in frequency domain	new	Mariana
15.3.1.2.1	Symbols in Energy keying in frequency domain	15.5.1.4	
15.3.2	Messaging mechanism		John
15.3.2.1	Candidate Channel Selection	none	
15.3.2.1.1	General	none	Add the text proposed below
15.3.2.1.2	Mechanisms based on fast interference assessment	15.2.1.3.1 (41/57..45/38) 15.2.2.3.1.1 (53/56...54/54) 15.3.1.1. 2... 15.3.1.1.3.2 15.4.1.1.1 (63/04...64/37)	
15.3.2.1.3	Mechanisms based on channel statistics (reference to existing measurements in 802.16-2004)		Add the text proposed below
15.4	Interference Preventing		
15.4.1	Adaptive channel selection		Channel distribution optimization
15.4.2	Adaptive subframe selection		
15.4.2.1	Sub frame sharing & scheduling		
15.4.2.2	Sub frame distribution optimization		
15.4.2.3	Sub frame creation		
15.5	Messages for WirelessMAN-CX		
15.6	Recommended practice for WirelessMAN-CX		
15.7	coexistence with non-WirelessMAN-CX systems		

General Summarization:

15.1 General for summarization of the component & relationship/Architecture/mechanism list /

15.1.2 architecture for WirelessMAN-CX to adopt old 15.2 content

15.2 Before the WirelessMAN-CX procedure

15.2.1 Synchronization between WirelessMAN-CX systems

15.2.2 Scanning before interference identification

15.2.3 Dynamic Frequency Selection(DFS)

Put all the mechanism description related to interference identification together in **15.23 Interference identification**

put all the mechanism description related to interference prevention together in **15.4 Interference prevention** (including the interference prevention mechanism content in old 15.5 and 15.7)

make a list in each of the chapter 15.2 and 15.3

make a message chapter as **15.5 messages for WirelessMAN-CX**, adopting current 15.6

put all the enhancement mechanism practice for basic mechanism inside WirelessMAN-CX into chapter **15.6 enhancement practice for WirelessMAN-CX**

make all the mechanism dealing with the non-WirelessMAN-CX systems into chapter 15.7 coexistence with non-WirelessMAN-CX systems

clear all the specific security content in ANNEX A and message part.

Insert this figure in 15.1.4 after the mechanism list

