Project	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 >				
Title	DCD-Based Signaling to Support Group Boundary Change in H-FDD Operation				
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Re:	IEEE 802.16 Working Group Letter Ballot Recirc #26b				
Abstract	Clarifications and signaling mechanisms are provided for efficient operation of H-FDD in 802.16e.				
Purpose	Accept the proposed specification changes on IEEE P802.16Rev2/D3.				
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DCD-Based Signaling to Support Group Boundary Change in H-FDD Operation

1. Introduction

For H-FDD operation, it is useful to divide a frame into two partitions that serve two groups of H-FDD users. Contribution IEEE802.16maint-08/xxx describes an efficient signaling mechanism that enables the partitions to be defined on a per-frame basis. In this contribution, we describe a signaling mechanism that supports the partition boundary change on a less frequent interval.

2. Suggested Remedy

The frame configuration information is included as a TLV in the DCD. The partition boundaries can change only when a new DCD is issued.

3. Proposed Text

I: Add the row shown in Red to Table 543 pg 1067

				PHY
Name		Length		scope
Available DL Radio	23	1	Indicates the average ratio of non-	All
Resources			assigned DL radio resources to the	
			total usable DL radio resources.	
			The average ratio shall be	
			calculated over a time interval	
			defined by the	
			DL_radio_resources_window_size	
			parameter (Table 524). The	
			reported average ratio will serve as	
			a relative load indicator. This value	
			can be biased by the operator	
			provided it reflects a consistent	
			representation of the average	
			loading condition of BSs across the	
			operator network. 0x00 : 0% 0x01 :	
			1% 0x64 : 100% 0x65 - 0xFE :	
			reserved, 0xFF indicates no	
			information available	

FDD Partition TLV	25	2	Bit #0 = 1: DCD-based signaling	OFDMA
			Bit $\#0 = 0$: MAP-based signaling	
			DCD-based signaling (Bit $\#0 = 1$):	
			Bits 1-7: Number of OFDMA	
			Symbols in DL transmission period	
			of second group of users.	
			Bits 8-15: LSBs of the Number of	
			the first frame in which the DCD-	
			based signaling - with the above	
			parameter- becomes effective.	
			MAP-based signaling (Bit $\#0 = 0$):	
			Bits 1-15: Reserved	