Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**H-ARQ Control IE Correction**
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Re:	
Abstract	**Add H-ARQ Control IE in Compact MAP IE for DIUC/UIUC**
Purpose	Adoption of proposed changes into P802.16d /D5-2004
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1 Introduction

1.1 Problem statement

1. The text in 6.3.17.3 “For the signaling of those parameters, H-ARQ Control IE is defined and the IE is to be placed in a Compact MAP IE which allocates a data burst.” applies that every data burst allocation IE should have H-ARQ control IE but some does not.

2. BS can’t allocate CQICH to a SS which uses DIUC compact DL-MAP IE.

1.2 Proposed solution

1. Add H-ARQ Control IE and CQICH Control IE in DIUC Compact DL-MAP IE.
2. Add H-ARQ Control IE in UIUC UL-MAP IE.

2 Text Change

In page 116, Line 45, change the following text

6.3.2.3.43.6.4 DIUC Compact DL-MAP IE

The format of Compact DL-MAP IE for DIUC subchannel is presented in Table 97.

Table 97—DIUC Compact DL-MAP IE format

Syntax	Size	Notes
Compact DL-MAP_IE () {		
Type = 3	3 bits	DIUC type
Reserved	1 bits	
DIUC	4 bits	See DIUC section
if(DIUC == 15) {		
Extended DIUC dependent IE	variable	
} else {		
RCID_IE	variable	
Duration	8 bits	In OFDMA slots (see 8.4.3.1)
Repetition Coding Indication	2 bits	0b00 - No repetition coding 0b01 - Repetition coding of 2 used 0b10 - Repetition coding of 4 used 0b11 - Repetition coding of 6 used
H-ARQ_Control_IE	variable	
CQICH_Control_IE	variable	
}		

In page 121, Line 50, change the following text

6.3.2.3.43.7.4 UIUC Compact UL-MAP IE

Table 103—UIUC Compact UL-MAP IE format

Syntax	Size	Notes
Compact UL-MAP_IE () {	_	_
Type = 3	3 bits	UIUC type
Reserved	1 bits	
UIUC	4 bits	
if (UIUC == 12) {		
OFDMA Symbol offset	8 bits	
Subchannel offset	7 bits	
No. OFDMA Symbols	7 bits	
No. Subchannels	7 bits	
Ranging Method	2 bits	0b00 - Initial Ranging over two symbols 0b01 - Initial Ranging over four symbols 0b10 - BW Request/Periodic Ranging over one symbol 0b11 - BW Request/Periodic Ranging over three symbols
reserved	1 bit	Shall be set to zero
} else if (UIUC == 14) {		
CDMA Allocation_IE()	32 bits	
} else if (UIUC == 15) {		
Extended UIUC dependent IE	variable	
} else {		
RCID_IE	variable	
Duration	8 bits	In OFDMA slots (see 8.4.3.1)
Repetition Coding Indication	2 bits	0b00 - No repetition coding 0b01 - Repetition coding of 2 used 0b10 - Repetition coding of 4 used 0b11 - Repetition coding of 6 used
H-ARQ_Control_IE	variable	
}		
}		