Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**OFDMA Errata**
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Re:	Call for contribution IEEE 802.16d-03/02
Abstract	The current OFDMA UL and DL MAP information Elements are missing some reserved bit for flexibility of future enhancements
Purpose	Proposal for inclusion in the 802.16d amendment document
Notice	
Release	
Patent Policy and Procedures	

OFDMA Errata

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1 General

The current OFDMA UL and DL MAP information Elements are missing some reserved bit for flexibility of future enhancements, this contribution present a minor modifications to those messages that enables future extensions.

2 Proposed changes

Change the DL-MAP and UL-MAP Information Elements according to the following tables:

Table 116bp: OFDMA UL-MAP Information Element format

Syntax	Size	Notes
UL-Map_Information_Element() {		
CID	16 bits	
UIUC	4 bits	
if (UIUC == 4) {		
CDMA_Allocation_IE()	52 bits	
} else if (UIUC == 15) {		
Extended UIUC dependent IE	Variable	Power_Control_IE() or AAS_UL_IE()
} else {		
OFDM Symbol offset	10 bits	
Subchannel offset	6 bits	
No. OFDM Symbols	8 bits	
No. Subchannels	5 bits	
Reserved	3 bits	Reserved set to 0
}		
}		

Table 116ao: OFDMA DL-MAP Information Element format

Syntax	Size	Notes
DL-Map_Information_Element() {		
DIUC	4 bits	
if (DIUC == 15) {		
Extended DIUC dependent IE	Variable	AAS_DL_IE()
} else {		
OFDM Symbol offset	9 bits	

Subchannel offset	5 bits	
Boosting	2 bits	00: normal (not boosted); 01: +6dB; 10: -6dB; 11: reserved
No. OFDM Symbols	8 bits	
No. Subchannels	5 bits	
Reserved	3 bits	Reserved set to 0
}		
}		