Project	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 >		
Title	Mapping information for MBS map in the MBS_MAP_IE()		
Date Submitted	2007-04-30		
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Re:	P802.16-2004/Cor2/D3		
Abstract	This documents propose improvement to MBS_MAP_IE() in order to let MS to decode MBS_MAP without prior knowledge of DIUC information when there is no DIUC change.		
Purpose	Adoption into P802.16-2004/Cor2/D4		
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DIUC information for MBS in MBS_MAP_IE()

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Problem statement

On page 390 of "IEEE Std 802.16e-2005", Table 286a defines the mapping information for MBS map in the MBS_MAP_IE() contained in the DL_MAP. This definition is present only if 'DIUC change indication' is set. As a result a MS that newly entered the network cannot learn the MBS mapping information, and consequently cannot decode MBS_MAP, until the first DIUC change indication.

Suggested Remedy

In order to solve this problem, the mapping information for MBS map should be part of MBS_MAP_IE() even if 'DIUC change indication' is clear.

Fix table 286a on page 390 of "IEEE Std 802.16e-2005" by clearing the if (DIUC change =1) condition. The modified table should look as follows:

Syntax	Size	Notes
DIUC change indication		Used to indicate DIUC change is included
Reserved		Shall be set to zero
if (DIUC change indication = 1) {	_	—
Reserved		_
Boosting		Refer to Table 273
DIUC	4 bits	—
No. Subchannels	6 bits	Indication of burst size of MBS MAP message
		with the number of subchannels
NO. OFDMA symbols	6 bits	Indication of burst size of MBS MAP message
		with the number of OFDMA symbols
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
}	—	-
} else {	—	—