

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Changes to OFDMA DL-MAP to enable inclusion of CIDs	
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Re:	Task Group Review of IEEE P802.16-REVd/D2-2003	
Abstract	Changes to OFDMA DL-MAP to enable inclusion of CIDs	
Purpose	Adoption	
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Replace 8.4.5.3 with the following text:

8.4.5.3 DL-MAP IE format

The OFDMA DL-MAP IE defines a two-dimensional allocation pattern as defined in Table 227:

Table 227—OFDMA DL-MAP IE format

Syntax	Size	Notes
DL-MAP_IE() {		
DIUC	4 bits	
if (DIUC == 15) {		
Extended DIUC dependent IE	variable	AAS_DL_IE(), STC_IE() , Channel measurement IE(), CID-SWITCH IE()
}		
else {		
If (INC CID == 1) {		The DL-MAP starts with INC CID =0. INC CID is toggled between 0 and 1 by the CID-SWITCH IE() (8.4.5.3.6)
N CID	8 bits	
For (n=0; n< N CID; n++) {		
CID	16 bits	
}		
}		
OFDMA Symbol offset	10 bits	
Subchannel offset	5 bits	
Boosting	3 bits	000: normal (not boosted); 001: +6dB; 010: -6dB; 011: +9dB; 100: +3dB; 101: -3dB; 110: -9dB; 111: -12dB;
No. OFDMA Symbols	9 bits	
No. Subchannels	5 bits	
}		
}		

Add this new section:

8.4.5.3.6 CID-SWITCH IE format

In the DL-MAP, a BS may transmit DIUC=15 with the CID-SWITCH_IE() to toggle the inclusion of the CID parameter in DL-MAP allocations. The DL-MAP shall begin in the mode where CIDs are not included. The first appearance of the CID-SWITCH_IE() shall toggle the DL-MAP mode to include CIDs. Any subsequent appearance of the CID-SWITCH_IE() shall toggle the DL-MAP CID inclusion mode.

Table xxx—OFDMA downlink CID-SWITCH IE

Syntax	Size	Notes
CID-SWITCH IE() {		
Extended DIUC	4 bits	CID-SWITCH = 0x04
}		