Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	OFDMA Extended UIUC / Extended-2 UIUC Code Assignment Tables
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Re:	This is a contribution to IEEE 802.16e.
Abstract	We propose to add extended UIUC code assignment tables for the OFDMA PHY systems.
Purpose	To clean up the extended UIUC code assignments.
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Extended / Extended-2 UIUC Code Assignment Tables

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1. Introduction

In order to provide an overview of the extended/extended-2 UIUC code assignments in the OFDMA PHY, we propose to add extended/extended-2 UIUC code assignment. This is a follow-up contribution to the previous contribution C8216-05_161, comment #3403, which was mistakenly marked as superceded in Session #36.

2. References

[16e/D7]   IEEE P802.16e/D7, February 2005

3. Proposed Changes

The following changes are proposed:

a)   page 291, line 41, insert the following:

8.4.5.4.4 UL-MAP extended IE format

A UL-MAP IE entry with a UIUC value of 11 or 15, indicates that the IE carries special information and conforms to the structure shown in Table 291. A station shall ignore an extended IE entry with an extended UIUC value for which the station has no knowledge. In the case of a known extended UIUC value but with a length field longer than expected, the station shall process information up to the known length and ignore the remainder of the IE.

Table 291 OFDMA UL Extended IE format

Syntax	Size	Notes
UL_Extended_IE {		
Extended UIUC / Extended-2 UIUC	4 bits	Extended UIUC if UIUC=15; Extended-2 UIUC if UIUC=11
Length	4 bit	Length in bytes of "unspecified data" field.
Unspecified Data	variable	
}		

8.4.5.4.4.1 Extended UIUC Assignments for UIUC=15

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For the extended UL-MAP IEs with UIUC=15, the extended UIUC assignments are shown in Table 291a.

Table 291a Extended UIUC Code Assignments for UIUC=15

Extended UL-MAP IE	Extended UIUC Value
Power Control IE	0x00
Mini-subchannel allocation IE	0x01
AAS IE	0x02
CQICH allocation IE	0x03
UL zone switch IE	0x04
Physical Modifier IE	0x05
MIMO UL Basic IE	0x06
Anchor BS Switch IE	0x07
UL PUSC burst allocation in other segment IE	0x08
CQICH enhanced allocation IE	0x09
HO Anchor Active IE	0x0a
HO Active Anchor IE	0x0b
MIMO UL Enhanced IE	0x0c
Fast_ranging_IE	0x0d
Fast_tracking-IE	0x0e
Feedback polling IE	0x0f

8.4.5.4.4.2 Extended-2 UIUC Assignments for UIUC=11

For the extended UL-MAP IEs with UIUC=11, the extended-2 UIUC assignments are shown in Table 291b.

Table 291b Extended-2 UIUC Code Assignments for UIUC=11

Extended-2 UL-MAP IE	Extended-2 UIUC Value
reserved	0x00
HARQ UL-MAP IE	0x01
HARQ ACK Region Allocation IE	0x02
UL Allocation Start IE	0x03
reserved	0x04 to 0x0f