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Re:	Call for Comments and Contribution, "IEEE 802.16's License-Exempt (LE) Task		
	Group		
Abstract	This document contains text originally in document IEEE C802.16h-06/004, 802.16-2004 with further modification / addition incorporated		
Purpose	To provide extended UL_MAP_IE, DL_MAP_IE for WMAN-CX (co existence) for OFDM (modify channel measurement IE), uplink map for SSURF		
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[The text below is taken from C80216h-06_004- section 15.2.2.3.1; paragraph needs to be modified is given below. This modification needs to be inserted in the existing one.]

Every BSD sent downlink has a BS_ID associated with it; it is always included in the DL_MAP message as specified in IEEE 802.16-2004. This is thus a de facto tag to the downlink frame, and can be used as an

interference identification tag as well. The message contains the UL-MAP, Base station sends UL_MAP_IE (could be named as co existence uplink information element) for the uplink grant in CTS slot as an extended UL-MAP-IE (UIUC = 15, any extended UIUC- 03 to 0f, currently used dummy UL_MAP_IE in 802-16-2004) in UL_MAP message on basic cid ; this uplink grant which addresses specific SS to send their SSURF messages. The duration of the BSD message is typically 1 msec [tbd.].

[Change the section 8.3.6.3.8 into the following text in 802.16 primary standard:]

8.3.6.3.8 UL-MAP co-existence IE format

An SS shall be able to decode the UL-MAP co-existence IE.

Table 253—OFDM UL-MAP co-existence IE format

Syntax Size Notes

co-existence _IE() {

Extended UIUC 4 bits 0x03

Length 4 bits 0..15

Specified data for co-existence (Ch-nr/frq etc.) or some unspecified data *variable* Note: the 'Length' field specifies the size of this field in bytes

}

N.B: Table numbers. are given based on the current number of 802.16 document

[Add section 8.3.6.3.9 to the 802.16 primary standard:]

An SS shall be able to decode the UL-MAP dummy IE. A BS shall not transmit this IE (unless under test).

Table 254—OFDM UL-MAP dummy IE format

Syntax Size Notes

Dummy_IE() {

Extended UIUC 4 bits 0x04 to 0f Length 4 bits 0..15 Unspecified data variable Note: the 'Length' field specifies the size of this field

Unspecified data variable Note: the 'Length' field specifies the size of this field in bytes

}

[Change the section 8.3.6.2.8 into the following text in 802.16 primary standard:]

8.3.6.2.8 DL-MAP co-existence IE format

An SS shall be able to decode the DL-MAP co-existence IE,

Table 244—OFDM DL-MAP co-existence IE format

Syntax Size Notes

co-existence _IE() {

Extended DIUC 4 bits 0x05

Length 4 bits 0..15

Specified data for co-existence (IP address etc., duration of downlink sub frame PDU of CTS slot valid for 802.16h) or some unspecified data *variable* Note: the 'Length' field specifies the size of this field in bytes

}

N.B:

- 1. Objective of this IE is to provide the duration of downlink sub frame PDU of CTS slot and its start time. Specific to this DIUC (15) and extended DIUC combination base station can provide a profile related to CTS slot in the DCD. This information element may contain the data for Base station description (BSD) in CTS slot.
- 2. The channel measurement IE of DL_MAP (refer table -238) can also be modified to handle the co-existence data, in that case no need to have separate co-existence IE

[Add section 8.3.6.2.9 to the 802.16 primary standard:]

A SS shall be able to decode the DL-MAP Dummy IE. A BS shall not transmit this IE (unless under test). A SS may skip decoding downlink bursts scheduled after the Start Time of this IE within the current frame.

Table 245—OFDM DL-MAP dummy IE format
Syntax Size Notes
Dummy_IE() {
Extended DIUC 4 bits 0x06 to 0f
Length 4 bits 0..15
Unspecified data variable Note: the 'Length' field specifies the size of this field in bytes
}