

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Clarification of some TLVs related to interference sensing	
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Re:	16h WG Recirc.	
Abstract		
Purpose	To clarify some TLVs related to interference sensing	
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Improvements on messages in 15.5 and 15.6

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Introduction:

In response to comments made during the Sponsor Ballot process, clarification is required in several sections of the D8a draft standard.

The CCID_IND message sent by the victim SS to its home base station is an interference sensing message meant to differentiate between interference due to either WirelessMAN sources or non-WirelessMAN sources. The changes below are proposed to clarify this differentiation and provide more details regarding interference sensing applications.

Proposed Changes:

*Black **Bold Italic** fonts are the instructions to the editor.*

Black font is original text that remains.

~~Red strikethrough font is to be deleted from the D8a document as indicated..~~

Blue underline text is to be added to the D8a documents as indicated

(1) Proposed changes located on Page 14 of D8a, Lines 11-14 Inside Table 165a in the 'Notes' column insert the following changes:

Bit 0 = 1 ~~Set to 1~~ for non-WirelessMAN-CX interference, set Bits 1-15 below.

Bit 0 = 0 for WirelessMAN-CX interference, set Bits 1-15 to zero

Bits 1-5: Device Type (0: reserved, 1: radar, 2: Analog TV, 3: Digital TV, 4: Wireless microphone, 5: Cable modem, 6: ADSL modem, 7: Satellite, 8-31: reserved).

Bits 6- ~~15~~14: Device detection specific

Bits 15-31:CCID

(2) Proposed changes located on Page 52 of D8a, Lines 32-36 inside Table 612a

Change the Length column from 1 to 2 bytes:

~~1~~2

Insert the following text in the Value column:

~~Type of interfering device~~

~~Bit 0: Set to 1 for a non-WirelessMAN-CX interfering source.~~

Type or identity of non-WirelessMAN-CX interfering source showing device type and device characteristics. Set to zero for WirelessMAN-CX interferer.

Bit 0: Set to 1.

Bits 1-5: Device Type (0: reserved, 1: radar, 2: Analog TV, 3: Digital TV, 4: Wireless microphone, 5: Cable modem, 6: ADSL modem, 7: Satellite, 8-31: reserved).

Bits 6-15: Device detection specific

(3) Proposed changes located on page 52 of D8a, , Line 50 inside Table 612a, Insert the following text in the Value column of Type 49:

The SSID or BSID of the interfering WirelessMAN-CX device. Set to zero for non-WirelessMAN-CX interferer.

(4) Proposed changes located on Page 146 of D8a, Section 15.5.3.22, Lines 20 -21 under the ‘Notes’ column:

~~(+)~~ Type or identity of non-WirelessMAN-CX interfering source showing device type and device characteristics. Set to zero for WirelessMAN-CX interferer. ~~Or (2) BSID or SSID of interfering WirelessMAN-CX device.~~

(5) Proposed changes located on Page 146 of D8a, Section 15.5.3.22, Lines 33-34 under the ‘Notes’ column:

The SSID or BSID of the interfering WirelessMAN-CX device. Set to zero for non-WirelessMAN-CX interferer.