IEEE P802.11
Wireless LANs

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| Resolution for some PICS and MIB comments |
| Date: 2016-04-26 |
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##### This submission presents proposed resolution to CIDs 7556, 7767, 7355, 7437 and 7438. Changes indicated by instructions.

##### Revision history:

##### R0 – initial version

R1 – updated as per the discussion in April-1st call.

R2 – CID 7767 is updated as per commenter’s feedback; resolution of CID 7556 is updated.

R3 – discussion on CID 7698 is added.

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 7556 | B.4 | 2681 | 1 | CFDMG and CFDMGSTA are the same thing | Change all CFDMGSTAs to CFDMGs and delete the CFDMGSTA row |

***Discussion:***

CFDMG and CFDMGSTA belong to different groups of item, namely O.2 for CFDMG and O.5 for CFDMGSTA.





For O.2, it has the following items:

* CFDSSS
* CFOFDM
* CFHRDSSS
* CFERP
* CFHT
* CFDMG
* CFVHT

For O.5, it has the following items:

* CFnotDMGSTA
* CFDMGSTA

***Resolution:***

**Rejected. CFDMG and CFDMGSTA are not the same thing. CFDMG belongs to O.2, and CFDMGSTA belongs to O.5.**

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 7767 | C.3 | 2875 | 55 | The wording after "when object dot11PHYType" in the MIB is inconsistent. | Make it consistent |

***Discussion:***

There are seven instances of “when object dot11PHYType is” in which the first four and the last three have different wordings.

At line 3436.37 (D5.2):



At line 3436.52 (D5.2):



At line 3436.65 (D5.2):





At line 3437.13 (D5.2):



At line 3437.25 (D5.2):



At line 3437.38 (D5.2):



At line 3437.54:



***Resolution:***

**Revised (page and line numbers from D5.2)**

### [1] At line 3437.28: change “when object dot11PHYType has the value of ht” to “when object dot11PHYType is ht”.

### [2] At line 3437.41: change “when object dot11PHYType has the value of vht” to “when object dot11PHYType is vht”.

### [3] At line 3437.56: change “when object dot11PHYType has the value of tvht” to “when object dot11PHYType is tvht”.

[4] At line 3437.15: change “when object dot11PHYType is ERP” with “when object dot11PHYType is erp”.

[5] At line 3439.15: change “when the object dot11PHYType has the value of DMG” with “when object dot11PHYType is dmg”.

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 7355 | C.3 | 2925 | 16 | "When this attribute is false, the STA may accept MSDUs that have the Protected Frame subfield of the Frame Control field equal to 0." -- so it might not? What does "accept" mean here, exactly? | Delete this sentence |

***Discussion:***

At line 2997.27 in D5.2:



Referring to clause 12.9.1 (WEP frame pseudo-code) at line 2091.36 (D5.2), when the dot11ExcludeUnencryted is false, the STA receives the MSDUs without WEP decapsulation:



***Resolution:***

**Reject**

**The comment is out of scope: i.e., it is not on changed text, text affected by changed text or text that is the target of an existing valid unsatisfied comment.**

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 7437 | C.3 | 2875 | 55 | There are 5 instances of "fixed-point Part". However, the whole thing is fixed-point; what is being referred to is actually the integer part | Change "fixed-point Part" to "integer part" in all 5 instances |
| 7438 | C.3 | 2875 | 55 | There are 5 instances of "This field contains the fixed-point Part of Altitude." Where is the fractional part held? | Add 5 MIB variables to hold the corresponding fractional parts |

***Discussion:***

There are only three instances of “fixed-point part” in D5.2 as follows.

At line 3128.40 in D5.2:



At line 3256.17 in D5.2:



At line 3370.39 in D5.2:



With the merging of the fraction and integer parts, the sentence “This field contains the fixed-point part of Altitude” is both wrong and unnecessary.

***Resolution for both CIDs 7437 and 7438:***

**Revised (page and line numbers from D5.2)**

**At lines 3128.50, 3256.29, and 3370.61, delete “This field contains the fixed-point part of Altitude.”.**

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| CID | Clause | Page | Line | Comment | Proposed Change |
| 7698 | C.3 | 2919 | 00 | Both dot11VHTExtendedNSSBWSignaling and dot11VHTExtendedNSSBWCapable claim to indicate "that the IEEE Std 802.11 VHT Extended NSS BW Support Signaling option is implemented" | Make one be "Implemented" and the other "Enabled" |

***Discussion:***

dot11VHTExtendedNSSBWSignaling OBJECT-TYPE(#5960)

 SYNTAX INTEGER {0..3}

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates that the (#7697)VHT extended NSS BW support

 option is implemented. The value 0 means that the device support same NSS

 at all its supported bandwidths. When dot11VHTChannelWidthOptionImplemented

is 0, the value 1 of dot11VHTExtendedNSSBWSignaling means 20/40/

80MHz at Max VHT NSS, 160MHz at the ceil of Max VHT NSS divided by 2, and

no support of 80+80MHz. When dot11VHTChannelWidthOptionImplemented is 0,

the value 2 of dot11VHTExtendedNSSBWSignaling means 20/40/80MHz at Max VHT

NSS, 160/80+80MHz at the ceil of Max VHT NSS divided by 2. When

dot11VHTChannelWidthOptionImplemented is 0, the value 3 of dot11VHTExtendedNSSBWSignaling

means 20/40/80MHz at Max VHT NSS, 160/80+80MHz at the

ceil of 3/4\*Max VHT NSS.

When dot11VHTChannelWidthOptionImplemented is 1, the value 1 of dot11VHTExtendedNSSBWSignaling

means 20/40/80/160MHz at Max VHT NSS, 80+80MHz at

the ceil of Max VHT NSS divided by 2. When dot11VHTChannelWidthOptionImplemented

is 1, the value 2 of dot11VHTExtendedNSSBWSignaling means 20/40/

80/160MHz at Max VHT NSS, 80+80MHz at the ceil of three fourths of the Max

VHT NSS. When dot11VHTChannelWidthOptionImplemented is 1, the value 3 of

dot11VHTExtendedNSSBWSignaling means 20/40/80MHz at 2\*Max VHT NSS, 160/

80+80MHz at the Max VHT NSS.

When dot11VHTChannelWidthOptionImplemented is 2, the value 3 of dot11VHTExtendedNSSBWSignaling

means 20/40/80/160MHz at 2\*Max VHT NSS, 80+80MHz

at the Max VHT NSS"

 DEFVAL { false }

 ::= { dot11StationConfigEntry 164 }

The contents of dot11VHTExtendedNSSBWSignaling is actually covered in Table 10-9 for dot11VHTExtendedNSSBWCapable:



For dot11VHTExtendedNSSBWCapable, it is used by the VHT Extended NSS BW Capable subfield in Supported VHT-MCS and NSS Set field:



