IEEE P802.11
Wireless LANs

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| Some LB 199 Proposed Comment Resolutions |
| Date: 2013-11-14 |
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|  |  |  |  |  |

Abstract

Proposed resolutions to the following CIDs are included in this document:

2433, 2199, 2410, 2483, 2065

**CID 2433**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2433 | 2720.57 | C |  |  | There appears to be a discrepancy for the AIFSN EDCA parameter specified in Table 8-118 (Page 731) and that specified in the MIB (dot11EDCATableAIFSN, Page 2720). | Add reference to the default values used when dot11OCBActivated is true. |  | GEN |

**Discussion:**

The comment is on a discrepancy between Table 8-118 AIFSN EDCA parameter and the dot11EDCATableAIFSN MIB variable when dot11OCBActivated (Outside the context of a BSS) is true.

The Table 8-118 definition is below:



And the MIB variable definition is below:



The dot11EDCATableIndex values are:



So, Table 8-118 says that when dot11OCBActivated (Outside the context of a BSS) is true, the default AIFSN values are 9/6/3/2 for BK/BE/VI/VO.

While the MIB variable says that the default AIFSN values are 7/3/2/2 for BK/BE/VI/VO.

**Proposed Resolution: Revised**

At 2720.57, change as indicated below:

dot11EDCATableAIFSN OBJECT-TYPE

SYNTAX Unsigned32 (2..15)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable.

It is written by the MAC upon receiving an EDCA Parameter Set ~~in a Beacon~~

~~frame~~.

Changes take effect as soon as practical in the implementation.

This attribute specifies the number of slots, after a SIFS, that the STA,

for a particular AC, senses the medium idle either before transmitting or

executing a backoff. See Tables 8-117 and 8-118. ~~The default value for this attribute is~~

~~7, if dot11EDCATableIndex is 1,~~

~~3, if dot11EDCATableIndex is 2~~

~~2, otherwise.~~"

::= { dot11EDCAEntry 4 }

Apply same changes to MIB variables at 2720.3 and 2720.24.

**CID 2199**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2199 | 1411.32 | 10.3.4.1 |  |  | Section 10.3.4.1 states that DMG STAs do not support authentication and deauthentication. This appears to be an optimisation that should only apply to cases where the Open Authentication algorithm is used, otherwise 11ad STAs cannot make use of other authentication algorithms such as SAE, Fast BSS Transition and those in 11ai. Even when Open Authentication is in use I'm not sure how multi-band operation is affected by this restriction. | Restrict this optimisation to cases where the Open Authentication algorithm is in use. This will require also changes in other parts of the draft, such as Figure 10-12 which shows authentication and association states. |  | MAC |

**Discussion:**

The cited text is below:



The commenter notes that because DMG STAs don’t support.11 authentication frames, they can’t use protocols that are carried in .11 authenticaiton frames. That’s true. If we changed to allow exchange of authentication frames, use would be optional so as to not make existing implementations non-compliant. Are there interoperability issues – if a DMG STA sends an authentication request frame to another DMG sta that doesn’t support authentication frames, won’t connect. Need advertisement mechanism?

Need discussion. What was the rationale for dropping use of authentication frames in 11ad?

Assigned to Carlos Cordiero

**Proposed resolution: TBD**

**Possible: Rejected**

“The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.”

**CID 2410**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2410 | 2745.02 | C.3 |  |  | dot11HRCCAModeImplemented only appears in Annex C.3 I can find no reference to it outside of Annex C.3. Suggest it is deleted. | Delete dot11HRCCAModeImplemented at P2745L2, P2753L57, P2754L8-27, P2819L37 |  | GEN |

**Discussion:**

The cited MIB variable is below (at P2754L8-27):



Assigned to Mark Hamilton

**Proposed resolution: TBD**

**CID 2483**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2483 | 2401.00 | C.3 |  |  | dot11BeaconInterval' is referred In 10.2.3.3 (Initialization of power management within an IBSS), but it is not defined C.3. | Define the dot11BeaconInterval in MIB. |  | GEN |

 **Discussion:**

The cited MIB variable name is incorrect – change.

**Proposed resolution: Revised**

Change from “dot11BeaconInterval” to “dot11BeaconPeriod”

**CID 2065**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2065 | 1200.14 | 9.22.7.2.2 |  |  | The insertion (9.22.7.2.2) is possibly in the wrong place. It is talking about Block Ack, not HT-Immediate block ack. Further, adding it necessitated turning the orginal contents of 9.22.7.2 into an introduction, when in fact it is the main meat of this subclause. | Find a better home for this subclause. Or if it in the right place, rename 9.22.7.2.1 to "General". |  | MAC |

 **Discussion:**

Agree with the commenter that the 11ad insertion is in the wrong place.

Looking for a better place…….

**Proposed resolution: TBD**

**References:**