IEEE P802.11
Wireless LANs

|  |
| --- |
| Comment resolution on MIBs – part 2 |
| Date: 2018-11-12 |
| Author: |
| Name | Affiliation | Address | Phone | Email |
| Edward Au | Huawei Technologies | 303 Terry Fox Drive, Suite 400, Ottawa, Ontario K2K 3J1 |  | edward.ks.au@huawei.com |

This submission present a resolution for CIDs 16234, 17063, and 17064. The proposed changes are based on P802.11ax D3.2.

##### Revision history:

##### R0 – initial version

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 16234 | C.3 | 645 | 1 | 27.5.3.4 indicates dot11HEUPHControlActivated is a non-AP STA variable and that it is set to true unless the STA has signalled UL MU disablement | Change the DESCRIPTION to "This is a status variable.This attribute, when true, indicates that the capability of transmittingframes with an UPH Control subfield is enabled. The capability is disabledotherwise." and change the DEFVAL to { true } | Accepted |

As referred to clause 27.5.3.4 and Annex C.3,





|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CID | Clause | Page | Line | Comment | Proposed Change | Resolution |
| 17063 | C.3 | 651 | 62 | dot11HEPuncturedPreambleRxImplemented MIB variable is not aligned with the Fragmentation Support field in the HE MAC Capabilities Information field. | Please update the MIB variable based on the Fragmentation Support field in the HE MAC Capabilities Information field. | RevisedIn page 668, line 28, replace “Unsigned32 (0..3)” with “OCTET STRING(Size(2))”. |
| 17064 | C.3 | 652 | 15 | dot11HEPuncturedPreambleRxActivated MIB variable is not aligned with the Fragmentation Support field in the HE MAC Capabilities Information field. | Please update the MIB variable based on the Fragmentation Support field in the HE MAC Capabilities Information field. | RevisedIn page 668, line 46, replace “Unsigned32 (0..3)” with “OCTET STRING(Size(2))”. |

Discussion:

There is no relationship between dot11HEPuncturedPreambleRxImplemented and Fragmentation Support field in the HE MAC Capabilities Information subfield.

As per the discussion with the commenter, however:

*The comment referred a wrong field name. Here is the correct comment.*

*dot11HEPuncturedPreambleRxImplemented MIB variable is not aligned with the Punctured Preamble Rx subfield in the HE PHY Capabilities Information field.*

*The Punctured Preamble Rx subfield consist of 4 bits.*

*For example, the STA can set multiple bits of the Punctured Preamble Rx subfield to 1.*

*But, the MIB variable of dot11HEPuncturedPreambleRxImplemented is Unsigned32 type and it is set to one of four modes.*

*dot11HEPuncturedPreambleRxImplemented OBJECT-TYPE*

*SYNTAX Unsigned32 (0..3)*

*...*

*But, the Punctured Preamble Rx subfield can has 16 combination modes.*

*So, I think that the type of the dot11HEPuncturedPreambleRxImplemented should be changed to the Bit Vector.*

While “bit vector(Size(16))” is an option, “OCTET STRING(Size(2))” is proposed as a resolution here for the sake of consistency with the MIB attributes in P802.11md/D1.6.

