IEEE P802.11
Wireless LANs

|  |
| --- |
| MAC Misc CIDs for SA2 |
| Date: 2020-10-08 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Laurent Cariou |  |  |  | laurent.cariou@intel.com |

CIDs: 25030, 25031, 25032, 25080, 25124, and 25125.

1. **Introduction**

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result o***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 25030 | Seok, Yongho | 83.24 | 9.3.3.2 | "The MU EDCA Parameter Set element is present if dot11HEOptionImplemented is true, dot11MeshActivated is false, dot11MUEDCAParametersActivated is true and the QoS Capability element is not present; otherwise, it is not present."dot11MUEDCAParametersActivated is not defined in the spec. Please define dot11MUEDCAParametersActivated. | As in comment. | Revise – dot11MUEDCAParametersActivated is defined in the spec, P777 L27 in draft 7.0 but with the wrong name. Change all occurrences in the spec of dot11MUEDCAParametersActived to dot11MUEDCAParametersActivated. |
| 25031 | Seok, Yongho | 136.36 | 9.3.3.2 | "The MU EDCA Parameter Set element is present if dot11HEOptionImplemented is true and dot11MUEDCAParametersActivated is true; otherwise, it is not present."dot11MUEDCAParametersActivated is not defined in the spec. Please define dot11MUEDCAParametersActivated. | As in comment. | Revise – dot11MUEDCAParametersActivated is defined in the spec, P777 L27 in draft 7.0 but with the wrong name. Change all occurrences in the spec of dot11MUEDCAParametersActived to dot11MUEDCAParametersActivated. |
| 25032 | Seok, Yongho | 138.36 | 9.3.3.2 | "The MU EDCA Parameter Set element is present if dot11HEOptionImplemented is true and dot11MUEDCAParametersActivated is true; otherwise, it is not present."dot11MUEDCAParametersActivated is not defined in the spec. Please define dot11MUEDCAParametersActivated. | As in comment. | Revise – dot11MUEDCAParametersActivated is defined in the spec, P777 L27 in draft 7.0 but with the wrong name. Change all occurrences in the spec of dot11MUEDCAParametersActived to dot11MUEDCAParametersActivated. |
| 25080 | RISON, Mark | 443.12 | 26.10.2.2 | "the received signal strength, which is measured from the L-STF orL-LTF fields of the PPDU and which is used to determine PHY-CCA.indication, shall be decreased by 3 dBto compensate for the power difference." -- the receiver has no control over the RSSI, so it can’t decrease it by 3 dB | Change to "3 dB shall be subtracted from the received signal strength measured from the L-STF orL-LTF fields of the PPDU, prior to determining the idle/busy status to report using the PHY-CCA.indication primitive, to compensate for the power difference." Same change at 444.7 | Revised – agree with the commenter. Apply the changes marked as CID25080 in this document. |
| 25124 | Kandala, Srinivas | 0 | 9.3.1.2.2.2.9 | RE: CID #24165 of the SA Ballot #1. "Multiplexing Flag" is a "flag" which usually is a boolean variable, where as the Draft is defining it is an integer value (granted it takes one of two values). If the group is not willing to change the definition, it should at least change the name of the field appropriately | Either implement the change in proposed resolution of #24165 in SA Ballot #1 and change the "Note: Note" to "Note: Not | Revised – modify the field named “Multiplexing Flag” to “Number Of Spatially Multiplexed Users” and replace all references to this field with the new name throughout the specification. In equation (9-ax1) and at 393.41, replace “Multiplexing Flag” by “value of the Number Of Spatially Multiplexed Users subfield” |
| 25125 | Kandala, Srinivas | 0 | 9.3.1.22.9 | RE: CID #24166 of the SA Ballot #1. I have to disagree with the resolution. The equation expresses the "maximum" possible STAs that may respond. Not all are guaranteed to respond, so "total" gives the impression, all the STAs are responding | Replace "total" with "maximum" | Revise – this indicates the STAs that are “scheduled to respond”, and that therefore may respond if the following condition is met (26.5.7.2) “The non-AP STA intends to provide a response to the type of the NDP feedback contained in the NFRP Trigger frame”. This indicates the maximum number of STAs that will respond, but all those STAs are scheduled to respond. But it shouldn’t be the Maximum number of STAs that are scheduled to respond, which would imply that there could be another condition for the STA to not be scheduled to respond, coming from the AP. To solve the ambiguity, we can remove the word total.Remove the word “total” in the sentence at P132L13 in Draft7.0:  |

1. **Proposed changes**

**26.10.2.2 General operation with non-SRG OBSS PD level**

**[…]**

**TGax editor: modify the following paragraph as follows (#25080)**

If the frame is carried in an HE ER SU PPDU that is identified as an inter-BSS PPDU (where power of the

L-STF/L-LTF symbols is boosted 3 dB), 3 dB shall be subtracted from the received signal strength measured from the L-STF or L-LTF fields of the PPDU, prior to using it to determine PHY-CCA.indication and to comparing it to the non-SRG OBSS PD level as described in this subclause, to compensate for the power difference.

[…]

**26.10.2.3 General operation with SRG OBSS PD level**

**[…]**

**TGax editor: modify the following paragraph as follows (#25080)**

If the frame is carried in an HE ER SU PPDU that is identified as an inter-BSS PPDU (where power of the

L-STF/L-LTF symbols is boosted 3 dB), 3 dB shall be subtracted from the received signal strength measured from the L-STF or L-LTF fields of the PPDU, prior to using it to determine PHY-CCA.indication and to comparing it to the SRG OBSS PD level as described in this subclause, to compensate for the power difference.

[…]