IEEE P802.11  
Wireless LANs

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| CR for CID20624 | | | | |
| Date: 2019-03-13 | | | | |
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Abstract

This document provides CR for CIDs: 20624

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 of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

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| **CID** | **Commenter** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 20624 | Mark RISON | 26.2.7 | 304.51 | "When the MUEDCATimer[AC] of a non-AP HE STA reaches zero, then the STA may update CWmin[AC], CWmax[AC] and AIFSN[AC] either to the values that are contained in the most recently received EDCA Parameter Set element sent by the AP with which the STA is associated, or to the default EDCA parameter values (see Table 9-137 (Default EDCA Parameter Set element parameter values if dot11OCBActivated is false)) if an EDCA Parameter Set element has not been received." -- this can't happen because an MU EDCA Params is always associated with an EDCA Params (and EDCA Params is sent in assoc rsp anyway) | Change to "When the MUEDCATimer[AC] of a non-AP HE STA reaches zero, the STA shall update CWmin[AC], CWmax[AC] and AIFSN[AC] to the values that are contained in the most recently received EDCA Parameter Set element sent by the AP with which the STA is associated." | Revised – baseline has contradicting statements. It is sometimes said that the EDCA parameter set element shall be always present in association frames, while it is said in other places that if it is not present, the default EDCA parameters apply. Modify baseline in order to solve this contradiction by making the inclusion of EDCA parameters optional in association response when the EDCA parameters are equal to default parameters. In this case, keep the sentences referenced in the comment unchanged. Apply the changes as proposed in <this document>. |

1. **Proposed changes**

***TGax editor: Modify Table 9-37 – Association Response frame body as follows:***

|  |  |  |
| --- | --- | --- |
| * Association Response frame body | | |
| **Order** | **Information** | **Notes** |
| **6** | **EDCA Parameter Set** | **The EDCA Parameter Set element(#2479) is optionally present if**  **dot11QosOptionImplemented is true; otherwise not present. (#20624)** |

***TGax editor: Modify Table 9-39 – Reassociation Response frame body as follows:***

|  |  |  |
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| Table 9-39 - Reassociation Response frame body | | |
| **Order** | **Information** | **Notes** |
| **6** | **EDCA Parameter Set** | **The EDCA Parameter Set element(#2479) is optionally present if**  **dot11QosOptionImplemented is true; otherwise not present. (#20624)** |

***TGax editor: Modify Table 9-41 – Probe Response frame body as follows:***

|  |  |  |
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| Table 9-41 – Probe Response frame body | | |
| **Order** | **Information** | **Notes** |
| **18** | **EDCA Parameter Set** | **The EDCA Parameter Set element is optionally present if**  **dot11QosOptionImplemented is true and dot11MeshActivated is**  **false. (#20624)** |

***TGax editor: Modify the following subclause 26.2.7 EDCA operation using MU EDCA parameters:***

* EDCA operation using MU EDCA parameters

A non-AP STA that receives an MU EDCA Parameter Set element from the AP to which it is associated follows the procedure defined in this subclause.

An HE AP that has dot11MUEDCAParametersActivated equal to true includes the MU EDCA Parameter Set element in the Management frames it transmits that include the EDCA Parameter Set element, if the AP announces non-default EDCA parameters following the rules defined in 10.2.3.2 (HCF contention based channel access). (#20604) An HE AP shall set the QoS Info field of an MU EDCA Parameter Set element (if present) to the same value as the QoS Info field of an EDCA Parameter Set element (if present). An HE AP may change the MU EDCA parameters by including the MU EDCA Parameter Set element with updated MU EDCA parameters in the Beacon frames and Probe Response frames it transmits. The EDCA Parameter Set Update Count subfield in the QoS Info field of the EDCA Parameter Set element and MU EDCA Parameter Set element(#15068) is incremented every time any of the EDCA parameters or the MU EDCA parameters change.

**10.2.3.2 HCF contention based channel access (EDCA) (#16653)**

[…]

The QoS AP shall announce the EDCA parameters in selected Beacon frames and in all Probe Response and (Re)Association Response frames by the inclusion of the EDCA Parameter Set element using the information from the MIB entries in dot11ECDATable, if the MIB entries in dot11EDCATable are different from the default EDCA parameters (see Table 9-137 (Default EDCA Parameter Set element parameter values if dot11OCBActivated is false)). If no such element is received, a STA shall use the default values for the parameters. (#20624)