IEEE P802.11
Wireless LANs

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| Resolution for CIDs 21172 and 20013 |
| Date: July 5 2019 |
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Abstract

This submission proposes resolutions for CIDs 21172 and 20013 received for TGax LB238

Revisions:

* Rev 0: Initial version of the document.

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. This introduction is 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** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 21172 | Pooya Monajemi | 123.26 | 9.4.1.7 | Draft 4.0 does not add any Reason Codes. An AP currently has the right to deny association to Clients or steer them to other BSSID / bands for unspecified reasons. In order to improve QoS, especially in the 6 GHz band, an AP may choose to expel Clients for excessive usage of OMI which is negatively impacting the BSS, and that exceeds some Policy for said usage within the cell. It would be better to be able to signal this, rather than using the Unspecified Reason code on Deauth/Disassociation, or the Unspecified Status code on (Re)association Responses. | 1) Add Section 9.4.1.7, directing the insertion of a new Reason Code into table 9-51;2) Add a new Status Code into table 9-52;Rather than allocating a code for all subcases, a single general code might be added to both tables for OMI\_EXCEEDS\_POLICY with meaning of "The usage of OMI has been determined to exceeded system policy" | **Revised**A new reason code for disassociation is added. New rule added to 26.17.2.1 requiring an AP to specify the reason code when disassociating a STA if it frequently violates EDCA or make frequent request to disable UL MU.A new status code is not added because this scenario doesn’t apply to (re)association rejection case as the AP doesn’t have much information about STA’s behaviour during association.**TGax editor, please implement changes shown in doc 11-19/1149r0** |
| 20013 | Abhishek Patil | 123.28 | 9.4.1.9 | The current spec allows an AP to disassociate a STA for any reason. It would be beneficial if a 6GHz AP provides specific reasons for disassociation. For example, if the STA is too aggressive in using EDCA or not respecting the EDCA parameters provided by the AP | Add appropriate status codes to indicate such association rejection in 6GHz | **Revised**A new reason code for disassociation is added. New rule added to 26.17.2.1 requiring an AP to specify the reason code when disassociating a STA if it frequently violates EDCA or make frequent request to disable UL MU.**TGax editor, please implement changes shown in doc 11-19/1149r0** |

**9.4.1.7 Reason Code field**[21172, 20013]

***TGax Editor: Insert a new row in Table 9-51 as follows and update the reserved row:***

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| Table 9-51 – Reason codes |
| Reason code | Name | Meaning |
| … |  |  |
| <ANA> | EXCESSIVE\_OMI\_OR\_VIOLATING\_EDCA | Disassociated due to excessive disablement of UL MU and/or frequent violation of EDCA parameters.[21172, 20013] |

**26.17.2 HE BSS operation in the 6 GHz band**

**26.17.2.1 General**[21172, 20013]

***TGax Editor: Insert the following paragraphs at the end of this subclause as follows:***

A 6 GHz HE AP may send a Disassociation frame with Reason code field set to <ANA> (EXCESSIVE\_OMI\_OR\_VIOLATING\_EDCA) to an associated non-AP STA if it receives frequent OMI requests from the STA for disabling UL MU or if the AP has determined that the STA is frequently violating the EDCA parameters advertised by the AP.