### IEEE P802.11 Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **REVme Miscellaneous CRs** | | | | |
| Date: 2022-03-21 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | San Diego, California |  |  |

Abstract

This document contains proposed resolutions for several REVme comments (2 CIDs):

* 1032, 1029.

Revisions:

* Rev 0: Initial version of the document
* Rev 1: Revised version amends the proposed changes to account for feedback received on CID 1032 during the conference calls discussions.
* Rev 2: Some minor improvements to the text (changed STAs to STA, etc).

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 REVme Draft. This introduction is not part of the adopted material.

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

***REVme Editor: Editing instructions preceded by “REVme Editor” are instructions to the REVme editor to modify existing material in the REVme draft. As a result of adopting the changes, the REVme editor will execute the instructions rather than copy them to the REVme Draft.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Proposed Resolution** |
| 1032 | Alfred Asterjadhi | 1008.16 | What about a QoS STA? Perhaps a good idea to cover that case as well. | As in comment. | Revised—  Agree in principle with the comment. Proposed resolution is to move these statements in a subclause that defines normative behaviors (namely 10.2.3.1), inline with the suggestions received during the first time the proposed resolution for this CID was presented.  REVme editor to make the changes shown in 11-22/0522r2 under all headings that include CID 1032. |
| 1029 | Alfred Asterjadhi | 207.00 | These definitions need to be amended every amendment so that PPDUs of that amendment are added. This creates some maintenance complexity in my opinion. Please find a way to simplify/streamline this process. |  | Rejected –  The comment raises a good simplification point.  However, 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. |

**Discussion: *None.***

**9.3.2.1.1 General**

**…**

**REme Editor: *Change the paragraphs below of this subclause as follows (#CID 1032):***

Data frames with the QoS subfield of the Subtype subfield (see 9.2.4.1.3 (Type and Subtype subfields)) set to 1 contain QoS in their names and contain a QoS Control field in the MAC header. Depending on the context, QoS Data frame either refers to any such frame, or refers specifically to the Data frame with subtype 1000. References nearby to other specific Data frames with QoS in their name (e.g., QoS Null or QoS Data +CF-Poll) typically suggest the latter interpretation. A STA sets the QoS subfield as defined in 10.2.3.1 (General).

*(#1032)*

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

**REme Editor: *Insert the paragraph below in this subclause as follows (#CID 1032):***

A non-QoS STA shall use frames with the QoS subfield of the Subtype subfield set to 0 for data transmissions to other STAs. A STA shall use frames with the QoS subfield of the Subtype subfield set to 0 for nonconcealed GCR broadcast Data frames unless the transmitting STA knows that all STAs in the BSS have QoS capability, in which case the STA shall use QoS Data frames. A STA shall use frames with the QoS subfield of the Subtype subfield set to 0 for nonconcealed GCR group addressed Data frames unless it is known to the transmitter that all STAs in the BSS that are members of the multicast group have QoS capability, in which case STAs shall use QoS Data frames. An AP with dot11RobustAVStreamingImplemented equal to true or a mesh STA with dot11MeshGCRImplemented equal to true use frames with the QoS subfield of the Subtype subfield set to 1 for concealed GCR frames, as described in 11.21.16.3.5 (Concealment of GCR transmissions).*(#1032)*

A QoS STA shall not transmit to another QoS STA an individually addressed frame with the Type subfield indicating Data and the QoS subfield of the Subtype subfield set to 0, except if the Subtype subfield indicates Null. A QoS STA should not transmit to another QoS STA an individually addressed frame with the Type subfield indicating Data and the Subtype subfield indicating Null.

A QoS STA that transmits a group addressed frame with the Type subfield indicating Data shall transmit it with the QoS subfield of the Subtype subfield set to 0 if non-QoS STAs are among the intended receivers, should transmit it with the QoS subfield set to 0 if non-QoS STAs might be among the intended receivers, and should transmit it with the QoS subfield set to 1 if no non-QoS STAs are among the intended receivers.