IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Resolution for miscellaneous CIDs – part 2 | | | | |
| Date: September 12, 2023 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Gaurang Naik | Qualcomm Inc. |  |  | gnaik@qti.qualcomm.com |
| Abhishek Patil | Qualcomm Inc. |  |  | appatil@qti.qualcomm.com |
| Alfred Asterjadhi | Qualcomm Inc. |  |  | aasterja@qti.qualcomm.com |
| George Cherian | Qualcomm Inc. |  |  | gcherian@qti.qualcomm.com |
| Duncan Ho | Qualcomm Inc. |  |  | dho@qti.qualcomm.com |
| Yanjun Sun | Qualcomm Inc. |  |  | yanjuns@qti.qualcomm.com |
| Abdel Karim Ajami | Qualcomm Inc. |  |  | aajami@qti.qualcomm.com |

Abstract

This submission proposes resolutions for following 3 CIDs received for TGbe LB275:

19749, 19750, 19752

**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 TGbe Draft. This introduction is not part of the adopted material.

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Section** | **Pg.Ln** | **Comment** | **Proposed Change** | **Resolution** |
| 19749 | Abhishek Patil | 9.4.2.312.2.3 | 252.43 | Since the interpretation of this field is different for an AP and a non-AP STA, update the definition text to clarify that this field represents frequency separation for STR when transmitted by a non-AP STA and AP MLD type indication when transmitted by an AP. In other words, have two distinct sections: When transmitted by an AP blah blah blah... When transmitted by a non-AP STA blah blah blah... | As in comment | **Revised**  Agree with the commenter principle. The cited text is revised as suggested.  **TGbe editor: please implement changes shown in this document tagged as 19749.** |
| 19750 | Abhishek Patil | 9.4.2.312.2.3 | 252.45 | Since the "Frequency Separation For STR" is only applicable when the value is nonzero, delete the first bullet under non-AP STA and update the remaining text to start as "When set to a nonzero value indicates the STR gap is ..." | As in comment | **Revised**  Agree with the commenter principle. The cited text is revised as suggested.  **TGbe editor: please implement changes shown in this document tagged as 19750.** |
| 19752 | Abhishek Patil | 9.4.2.312.2.3 | 254.10 | The Operational Parameter Negotiation feature is similar to ML Reconfiguration operation. Remove the separate signaling to indicate support for it. | Either delete this field and update the definition of "Link Reconfiguration Operation Support" field in the MLD Capabilities And Operation subfield or move this to MLD Capabilities And Operation subfield. | **Rejected**  An AP MLD support one of the two cited operations but may not support the other. Merging the support subfields will prevent an AP MLD from doing so. |

***TGbe editor: please note that the baseline is 11be Draft 4.0.***

**9.4.2.312.2 Basic Multi-Link element**

**9.4.2.312.2.3 Common Info field of the Basic Multi-Link element**

***TGbe editor: please update Table 9-404j as shown below [CID 19749, 19750]***

**Table 9-404j – Subfields of the MLD Capabilities and Operations subfield**

|  |  |  |
| --- | --- | --- |
| **Subfield** | **Definition** | **Encoding** |
| Frequency Separation For STR/AP MLD Type Indication | (#19749) When transmitted by a non-AP STA affiliated with a non-AP MLD, the Frequency Separation For STR subfield indicates the minimum frequency gap between any two links that is recommended by the non-AP MLD for STR operation. The frequency gap is specified as the difference between the nearest frequency edges of the two links.  (#19749) When transmitted by an AP affiliated with an AP MLD, the AP MLD Type Indication subfield  indicates the type of an AP MLD. | Frequency Separation For STR:  For a non-AP MLD:  When set to a nonzero value *n*, the Frequency Separation for STR subfield indicates that the STR frequency gap is (*n* – 1) ´ 80 MHz. The value 0 indicates no frequency separation information is provided. (#19750)  AP MLD Type Indication:  For an AP MLD:  Set B0 of the AP MLD Type Indication subfield to 1 to indicate that the AP MLD is an NSTR mobile AP MLD; set to 0 otherwise.  B1–B4 of the AP MLD Type Indication subfield are reserved.  See 35.3.16.2 (Multi-link device capability and operation signaling). |