IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Comment resolutions for 9.10.2.1 and 9.10.2.2 – Part 2 | | | | |
| Date: 2019-12-10 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |

Abstract

This submission proposes resolutions for multiple comments related to TGba D1.0 with the following CIDs (2 CIDs):

* 1116, 1236

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

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1116 | Xiaofei Wang | 42.07 | By not including Partial BSSID in the transmitted WUR frame, a receiving STA may not have the capabilities to tell whether a WUR frame is incorrectly received due to channel conditions or rate settings, or due to it is transmitted by a different BSS. A more clear indication of a BSS in the transmitted WUR frame is more desirable. | suggest to include a form of BSSID in the transmitted WUR frame to ensure that a receiving STA will be able to identify the cause of reception failure | Rejected –  It does not matter if the WUR frame is not received due to channel conditions, or rate settings or because of transmission from a different BSS since the STA is not expected to take any action upon reception of a failed frame. The addition of some form of BSSID in the transmitted WUR frame will further increase the WUR frame size increasing WM occupancy. |
| 1236 | Yunsong Yang | 39.57 | It may be desirable for a receiving STA to know whether a received WUR frame is protected with a CRC or a MIC as early as possible. Therefore, it may be better to have the Protected bit in B0 of the Frame control field, instead of B7. | Move the Protected field to the left of the Type field in Figure 9-963b, and renumber the bit numbers of all the fields accordingly. And in P40L35, move the paragraph describing the Protected field to be before the paragraph describing the Type field in P40L1. | Revised –  Agree in principle with the comment. However, it is more beneficial for a STA to drop WUR frames that it does not support, as such the Protected field needs to be located after the Type field. Proposed resolution is to specify that the Protected field is located after the Type field.  TGba editor to make the changes shown in 11-18/2129r0 under all headings that include CID 1236. |

**Discussion: *None.***

* MAC frame format for Wake-up Radio (WUR) frames
* MAC header
* Frame Control field

The format of the Frame Control field is illustrated in Figure 9-963b (Frame Control field format of WUR frame).

**TGba Editor: *Change the figure below of this subclause as follows (#CID 1236):***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0      B2 | B3 | B4 | B5 B7 |
|  | Type | Protected | Length Present | Length/Misc |
| Bits: | 3 | 1 | 1 | 3 |
| * Frame Control field format of WUR frame*(#1236)* | | | | |

The Type subfield indicates the type of the WUR frame, as defined in Table 9-533a (WUR frame types).

|  |  |
| --- | --- |
| * WUR frame types | |
| Type | Type description |
| 0 | WUR Beacon |
| 1 | WUR Wake-up |
| 2 | WUR Vendor Specific |
| 3 | WUR Discovery |
| 4-7 | Reserved |

**TGba Editor: *Change the paragraphs below of this subclause as follows (#CID 12366):***

*(#12366)*

The Length Present subfield indicates whether the Length/Misc subfield contains the Length subfield or not.

The Length/Misc subfield contains the Length subfield when the Length Present subfield is set to 1; otherwise it contains the Misc subfield. (#1112)

The Length subfield indicates the length of the Frame Body field as defined in 9.10.2.4 (Frame Body field). (#1237)

The Misc subfield is reserved unless explicitly stated otherwise.

*(#12366)*