### IEEE P802.11 Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11be D1.1 CR for 9.4.2.295b.3 | | | | |
| Date: 2021-08-09 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Xiangxin Gu | Unisoc | 2288 Zuchongzhi Road, Shanghai, China |  | xiangxin.gu@unisoc.com |
| Jay Yang | Nokia |  |  | Zhijie.yang@nokia-sbell.com |
| Rojan Chitrakar | Panasonic |  |  | Rojan.chitrakar@sg.panasonic.com |
| Ming Gan | Huawei |  |  | ming.gan@huawei.com |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for the following CIDs:

4019, 4734, 5039, 5825, 5940, 6677, 6678, 6707, 7705, 8166, 8290

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Some editorial changes
* Rev 2: Remove CID 6237 and 6238
* Rev 3: Remove discussion on MLD ID and changes releated to MLD ID

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 D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D1.0.1 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** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 4019 | Abhishek Patil | 9.4.2.295b.3 | 135.32 | The description related to Common Info field and Presence Bitmap subfield of the Multi-Link Control field is missing. | Clarify that, in the Probe Request variant Multi-Link element, the Common Info field is not present and the Presence Bitmap subfield is set to 0 | **Accepted:**  In case that the transmitted AP is affiliated with an AP MLD and the APs corresponding to nontransmitted BSSID of the same multiple BSSID set as the transmitted AP are affiliated with other AP MLDs, how the ML probe request indicates the targeted MLD is under discussion.  Besides, whether the ML probe request contains the MLD address of the STA sending the request is under discussion as well.  It is better to have the Presence Bitmap subfield for furture use. The Common Info field is not present currently and can be added in furture.  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 4734 | Chunyu Hu | 9.4.2.295b.3 | 135.25 | The subclause (Probe Request variant Multi-Link element) misses the definition and description of the fields: Presence Bitmap, Common Info. If they are the same as the Basic variant, please state so. If not, need to add new definitions. | As commented | **Revised:**  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 5039 | Gaurang Naik | 9.4.2.295b.3 | 135.33 | There is no description in the spec on the Common Info field of the Probe Request variant Multi-Link element | Specify if the Common Info field is present in the Probe Request variant Multi-Link element and, if present, the contents of the Common Info field. | **Revised:**  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 5825 | Lei Wang | 9.4.2.295b.1 | 128.20 | The description of the Presence Bitmap Subfield for the Probe Request variant Multi-Link element is missing in Subsection 9.4.2.295b.3. So, the reference given in line 20 page 128 is not valid. | Add the description of the Presence Bitmap Subfield for the Probe Request variant Multi-Link element in Subsection 9.4.2.295b.3. | **Revised:**  The description of the Presence Bitmap subfield of the Probe Request variant Multi-Link element is added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 5940 | Li-Hsiang Sun | 9.4.2.295b.3 | 135.32 | Missing description of presence bitmap and common info field | add the description | **Revised:**  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 6677 | Rajat Pushkarna | 9.4.2.295b.3 | 135.33 | The format of the Presence Bitmap subfield of the Probe Request ML element should be defined. | Define the format of the Presence Bitmap subfield of the Probe Request ML elemen | **Revised:**  The description of the Presence Bitmap subfield of the Probe Request variant Multi-Link element is added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 6678 | Rajat Pushkarna | 9.4.2.295b.3 | 135.33 | Presence/Absence of the Common Info field in the Probe Request ML element should be mentioned and the format defined if present. | State the Presence/Absence of the Common Info field in the Probe Request ML element and define the format if present. | **Revised:**  The description of the Common Info field of the Probe Request variant Multi-Link element is added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 6707 | Rojan Chitrakar | 9.4.2.295b.3 | 135.33 | The format of the Presence Bitmap subfield of the Probe Request ML element should be defined. | Define the format of the Presence Bitmap subfield of the Probe Request ML element | **Revised:**  The description of the Presence Bitmap subfield of the Probe Request variant Multi-Link element is added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 7705 | Xiaofei Wang | 9.4.2.295b.3 | 135.33 | The common info field of the probe request variant of ML element is not defined | please provide definition of the Common Info subfield | **Revised:**  The description of the Common Info field of the Probe Request variant Multi-Link element is added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 8166 | Yunbo Li | 9.4.2.295b.3 | 135.26 | The description of Multi-link Control field and Common Info field for Probe Requesst variant Multi-Link element are missing | provide the missing description | **Revised:**  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |
| 8290 | Zhiqiang Han | 9.4.2.295b.3 | 135.32 | There should be some paragraphs to describe how to set the Presence Bitmap subfield and Common Info field. Please clarify it. | as in comment. | **Revised:**  The description of the Presence Bitmap subfield and the Common Info field of the Probe Request variant Multi-Link element are added.  Tgbe editor: please implement changes as shown in doc 11-21/1332r3 tagged as 4019 |

**Discussion: none**

**Propose:**

SP: Do you agree to incorporate the changes provided in IEEE 802.11-21/1332r3 for CIDs 4019, 4734, 5039, 5825, 5940, 6677, 6678, 6707, 7705, 8166, 8290 to the next revision of 802.11be draft?

*TGbe editor: Change 9.4.2.295b3 Probe Request variant Multi-Link element as follows (track changes on):*

**9.4.2.295b.3 Probe Request variant Multi-Link element**

The Probe Request variant Multi-Link element is used to request an AP to provide information of other APs affiliated with the same AP MLD as the AP. The inclusion of a Probe Request variant Multi-Link element in a Probe Request frame identifies it as an ML probe request(#2583)(#3360).

(#4019)(#4734)(#5825)(#5940)(#6677)(#6707)(#8166)(#8290)The format of the Presence Bitmap subfield of the Probe Request variant Multi-Link element is defined in Figure 9-788xx (Presence Bitmap subfield of the Probe Request variant Multi-Link element format).

B0 B11

|  |
| --- |
| Reserved |

Bits 12

**Figure 9-788xx—Presence Bitmap subfield of the Probe Request variant Multi-Link element format**

All bits of the Presence Bitmap subfield are set to 0.

The Common Info field of the Probe Request variant Multi-Link element is not present.