IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| D3.0 comment resolution 10.12 | | | | |
| Date: 2023-05-01 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu |  |  |  | Liwen.chu@nxp.com |

Abstract

This submission proposes resolutions for multiple comments related to TGbe D3.0 with the following CIDs:

15504 17353

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** | **PP** | **LL** | **Comment** | **Proposed Change** | Resolution |
| 15504 | 351 | 59 | The draft does not implement the proposed change in 22/1500r1 correctly. Missed the table for CID 11852 in 22/1500r1. And text from P351L47 to P351L57 duplicates with text from P351L38 to P351L46. | Implement the correct change by 22/1500r1. And modify the commented text since VHT Capabilities element is not always present in the 2.4 GHz or 5 GHz band. | Revised  Discussion: the Table in 11-22/1500r1 was not adopted by 11be D3.0. Instead, the Table in 11-22/2612r3 (the updated version of 1500r1) was adopted. The duplication text P351L138 to P351L46 should be removed from the draft.  *TGbe editor: please remove P351L38 to P351L46 from 11be D3.0.* |
| 17353 | 348 | 18 | May I suggest having two tables instead of one? One that covers the main amendments in 2G4, 5 and 6. and eventually if needed another one for DMG/eDMG, and if that is the case then perhaps place also S1G, TVHT, etc in that other table for completeness. | As in comment. | Revised  Discussion: Generally agree with the commenter.  TGbe editor to make changes in THIS DOCUMENT with CID tag 17353. |

10.12 A-MPDU operation

10.12.2 A-MPDU length limit rules

*TGbe editor: Please change the first paragraph of 10.12.2 as follows:*

A STA indicates in the Maximum A-MPDU Length Exponent field in its HT Capabilities element the maxi- mum A-MPDU length that it can receive in an HT PPDU. A STA indicates in the Maximum A-MPDU Length Exponent field in its VHT Capabilities element the maximum length of the A-MPDU pre-EOF pad- ding that it can receive in a VHT PPDU. A STA indicates in the Maximum A-MPDU Length Exponent field in its S1G Capabilities element the maximum length of the A-MPDU pre-EOF padding that it can receive in an S1G PPDU. A STA indicates in the Maximum A-MPDU Length Exponent field in its DMG Capabilities

element the maximum A-MPDU length that it can receive in a DMG PPDU. A STA indicates the maximum length of the A-MPDU pre-EOF padding that it can receive in an HE PPDU in the Maximum A-MPDU Length Exponent field in its HT Capabilities, VHT Capabilities, and HE 6 GHz Band Capabilities elements (if present) and in the Maximum A-MPDU Length Exponent Extension field in its HE Capabilities element. A STA indicates in the Maximum A-MPDU Length Exponent field in its EDMG Capabilities element the maximum length of the A-MPDU that it can receive in an EDMG PPDU. A STA indicates the maximum length of the A-MPDU pre-EOF padding that it can receive in an EHT PPDU in the Maximum A-MPDU Length Exponent field in its HT Capabilities, VHT Capabilities, and HE 6 GHz Band Capabilities elements (if present), and in the Maximum A-MPDU Length Exponent Extension field in HE Capabilities and EHT Capabilities elements. Fields used for calculating the maximum A-MPDU size of various PPDU Types in 2.4 GHz, 5 GHz and 6 GHz bands are specified in [Table 10-12a (Fields used for calculating the maximum A-MPDU size of](#bookmark9) [various PPDU types in 2.4 GHz, 5 GHz and 6 GHz bands)](#bookmark9). Fields used for calculating the maximum A-MPDU size of various PPDU Types in 60 GHz bands are specified in [Table 10-xx (Fields used for calculating the maximum A-MPDU size of](#bookmark9) [various PPDU types in 60 GHz band)](#bookmark9) (#17353).

*TGbe editor: Please change Table 10-12a as follows:*

**Table 10-12a—Fields used for calculating the maximum A-MPDU size of various PPDU types in 2.4 GHz, 5 GHz and 6 GHz bands** (#17353)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Maximum A-MPDU**  **per PPDU type and band** | **Maximum A-MPDU**  **Length Exponent field in HT Capabilities element** | **Maximum A-MPDU**  **Length Exponent field in VHT**  **Capabilities element** | **Maximum A-MPDU**  **Length Exponent Extension field in HE Capabilities element** | **Maximum A-MPDU**  **Length Exponent field in HE 6G**  **Capabilities element** | **Maximum A-MPDU**  **Length Exponent Extension field in EHT**  **Capabilities element** |  |  |
| Maximum A-MPDU  in HT PPDU of  2.4 GHz  band | Y | N | N | N | N |  |  |
| Maximum A-MPDU  in HE PPDU of  2.4 GHz  band | Y | N | Y | N | N |  |  |
| Maximum A-MPDU  in EHT PPDU of  2.4 GHz  band | Y | N | Y | N | Y |  |  |
| Maximum A-MPDU  in HT PPDU of 5 GHz  band | Y | N | N | N | N |  |  |
| Maximum A-MPDU  in VHT PPDU of 5 GHz  band | N | Y | N | N | N |  |  |

**Table 10-12a—Fields used for calculating the maximum A-MPDU size of various PPDU types in 2.4 GHz, 5 GHz and 6 GHz bands *(continued) (#17353)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Maximum A-MPDU**  **per PPDU type and band** | **Maximum A-MPDU**  **Length Exponent field in HT Capabilities element** | **Maximum A-MPDU**  **Length Exponent field in VHT**  **Capabilities element** | **Maximum A-MPDU**  **Length Exponent Extension field in HE Capabilities element** | **Maximum A-MPDU**  **Length Exponent field in HE 6G**  **Capabilities element** | **Maximum A-MPDU**  **Length Exponent Extension field in EHT**  **Capabilities element** |  |  |
| Maximum A-MPDU  in HE PPDU of 5 GHz  band | N | Y | Y | N | N |  |  |
| Maximum A-MPDU  in EHT PPDU of 5 GHz  band | N | Y | Y | N | Y |  |  |
| Maximum A-MPDU  in HE PPDU of 6 GHz  band | N | N | Y | Y | N |  |  |
| Maximum A-MPDU  in EHT PPDU of 6 GHz  band | N | N | Y | Y | Y |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**Table 10-xx—Fields used for calculating the maximum A-MPDU size of various PPDU types in 60 GHz band (#17353)**

|  |  |  |
| --- | --- | --- |
| **Maximum A-MPDU**  **per PPDU type and band** | **Maximum A-MPDU**  **Length Exponent field in DMG**  **Capabilities element** | **Maximum A-MPDU**  **Length Exponent field in EDMG**  **Capabilities element** |
| Maximum A-MPDU  in DMG PPDU | Y | N |
| Maximum A-MPDU  in EDMG PPDU | N | Y |