IEEE P802.11
Wireless LANs

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| [CR for Clause 36.3.11.5] |
| Date: 2020-02-25 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Dongguk Lim | LG Electronics | 19, Yangjae-Daero 11 gil, Seoch-gu, Seoul, Korea |  | dongguk.lim@lge.com |
| Eunsung Park |  |  |  | esung.park@lge.com |
| Jinyoung Chun |  |  |  | jiny.chun@lge.com |
| Jinsoo Choi |  |  |  | js.choi@lge.com |
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Abstract

This submission proposes resolutions for follwing 5 CIDs: 1345, 1347, 1948, 2641, and 2688

Revisions:

* Rev 0: Initial version of the document.

## CID 1345, 1347, 1948, 2641, 2688

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| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1345 | 227.03 | 36.3.11.5 | Text refers to "L\_DATARATE parameter in the TXVECTOR" but this is missing from 36.2.2 | Add L\_DATARATE to TX/RXVECTOR parameters in section 36.2.2 | Rejected. Mapping of the EHT PHY parameters for non-HT operation is described in table 36-4. And, L\_DATARATE is mapping to DATA RATE in TX/RXVECTOR. |
| 1347 | 227.09 | 36.3.11.5 | "For an EHT TB PPDU, the LENGTH field is set to the TXVECTOR parameter L\_LENGTH + 2." is confusing and could lead to double-adding etc. | Option A: Add MAC language to explain why "+2" in "For an EHT TB PPDU, the LENGTH field is set to the TXVECTOR parameter L\_LENGTH + 2." is needed, and add a cross-reference to this MAC language here. Option B: connect to UL\_LENGTH parameter in TRIGVECTOR parameters (Table 36-2) and explain either in MAC or in 36.2.3 where and why this +2 comes from. | Revised.  Since the trigger frame can be used to solicit the TB PPDU from both HE STA and EHT STA, the UL length field of the trigger frame is set to a value satisfying the condition: mod3 =1. And, the same value is used for TXVECTOR parameter L\_LENGTH. Thus, to satisfy the condition of EHT-PPDU: mod3=0, the LENGTH field is set to the TXVECTOR parameter L\_LENGTH + 2.For this, table (36-1) and Table(36-2) should be updated as in DCN 11-21/295r0TGbe Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0295-00-00be-CR-for-36-3-11-5.docx |
| 1948 | 227.09 | 36.3.11.5 | Define clearly the TXVECTOR L\_length, which is equal to the value indicated in UL length field of trigger frame | As in comment | Revised As in 11ax, this can be defined in L\_LENGTH of TXVECTOR Parameter.TGbe Editor: Incorporate the changes in https://mentor.ieee.org/802.11/dcn/21/11-21-0295-00-00be-CR-for-36-3-11-5.docx |
| 2641 | 227.09 | 36.3.11.5 | Computation of L-SIG LENGTH field for EHT TB PPDU should be TBD, since the setting of TXVECTOR parameter L\_LENGTH is TBD for EHT TB PPDU. | Mark the following sentence as TBD:"For an EHT TB PPDU, the LENGTH field is set to the TXVECTOR parameter L\_LENGTH + 2"Note that for EHT TB PPDU, the final value of LENGTH field must satisfy the condition that remainder is 0 when divided by 3. | Rejected. Clause 36.2 will be updated to apply the agreements in the DCN 1685r3 and to resolve some comments. So, this sentence is needed. |
| 2688 | 228.14 | 36.3.11.5 | The expression for M\_20^r(k) is not used in equation (36-16). | Remove the expression | Rejected.This equation is used in Data carrier mapping, Dk,20  |

Propose :

***TGbe editor: please modify the L-LENGTH field in table 36-1 TXVECTOR and RXVECTOR parameters as follows***

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| --- | --- | --- | --- | --- |
| L\_LENGTH | FORMAT is EHT\_MU | Not present. | N | N |
| FORMAT is EHT\_TB | ~~TBD~~ Indicates the value in the LENGTH field of the L-SIG field in the range of 1 to 4095. The value is obtained from the triggering frame to which the EHT TB PPDU is a response | ~~TBD~~ Y | ~~TBD~~ N |
| Otherwise | See corresponding entry in Table 19-1 (TXVECTOR and RXVECTOR parameters), Table 21-1 (TXVECTOR and RXVECTOR parameters), or Table 27-1 (TXVECTOR and RXVECTOR parameters). |

(#1347, #1948)

***TGbe editor: please modify the UL-LENGTH field in table 36-2 TRIGVECTOR parameters parameters as follows***

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| --- | --- |
| UL\_LENGTH | ~~TBD~~ Indicates the value of the L-SIG LENGTH field of the expected EHT TB PPDU(s). |

(#1347)

**References:**

**[1] 802.11be D0.3**