IEEE P802.11
Wireless LANs

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| CR for 10.13 PPDU Duration Constraint |
| Date: January 21, 2022 |
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 Abstract

This submission proposes resolutions for following CIDs received for TGbe CC36:

4298, 6942

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.***

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| **CID** | **Commenter** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 4289 | Alfred Asterjadhi | 0.00 | 10.13 | Add "An EHT STA shall not transmit an EHT PPDU that has a duration (as determined by the PHY-TXTIME.confirmprimitive defined in 6.5.6 (PLME-TXTIME.confirm)) that is greater than aPPDUMaxTime defined inTable 36-smth (HE PHY characteristics)." (references relative to TGax 8.0). Also check if we need a similar sentence to what 11ax has for LDPC (10.15). | As in comment. | Revised-Agree in principle with the comment. EHT PPDU duration constraint is added in clause 10.13.The similar sentence to what 11ax has for LDPC operation is already in 10.15.TGbe editor:Please implement changes as shown in this document tagged as 4289. |
| 6942 | Saju Palayur | 0.00 | 10.13 | What are EHT PPDU duration constraint ? | please indicate | Revised-Agree in principle with the comment. EHT PPDU duration constraint is added in clause 10.13.TGbe editor:Please implement changes as shown in this document tagged as 4289. |

***TGbe editor: Please note baselines are REVme D1.0 and 11be D1.4***

**10.13 PPDU duration constraint**

 ***TGbe editor: Please add the following at the end of this subclause of REVme D1.0***

An EHT STA shall not transmit an EHT PPDU that has a duration (as determined by the PHY-TXTIME.confirm primitive defined in 6.5.6 (PLME-TXTIME.confirm)) that is greater than aPPDUMaxTime defined in Table 36-70 (EHT PHY characteristics).

**36.4.4 EHT PHY**

***TGbe editor: Please incorporate the following changes:***

**Table 36-70—EHT PHY characteristics**

|  |  |
| --- | --- |
| **Characteristics** | **Value** |
| aPPDUMaxTime |  5.484 ms |
| aPSDUMaxLength | 15 523 200 bytes |
| aRxPHYStartDelay | 32 + 4  *N*EHT-SIG µs for EHT MU PPDUs32 µs for EHT TB PPDUs |
| NOTE—This is the maximum length in octets for a single user transmission using the EHT MU PPDU with the PPDU Type And Compression Mode field in the U-SIG field equal to 1, EHT-SIG MCS 1, 320 MHz bandwidth, EHT-MCS 13, 8 spatial streams, 0.8 µs GI duration, 2× EHT-LTF, PE field with 0 µs duration, pre-FEC padding factor value of 4, and 396 Data field OFDM symbols (396 is the maximum number of Data field OFDM symbols that fits within the aPPDUMaxTime of 5.484 ms. This is the maximum PSDU length an EHT PHY could support assuming no restrictions in MAC. See 10.12.2 (A-MPDU length limit rules) and 9.2.4.7.1 (General) for additional restrictions on the maximum number of octets the MAC could support. |

**Straw Poll: Do you support to incorporate the proposed draft text in this document 11-22/0155r0 to the next revision of TGbe Draft?**

**Result: Yes/No/Abstain**