IEEE P802.11  
Wireless LANs

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| **TGbe D0.3 Comment Resolutions for 36.3.11.9 EHT-STF** |
| **Date:** 2021-02-22 |
| **Author(s):** |

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Abstract

This submission proposes resolutions for comments of TGbe D0.3 with the following 7 CIDs:

2662, 2815, 3076, 3110, 3113, 3114, 3312

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 D0.3 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D0.3 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.***

#### *CIDs 2662, 2815, 3076, 3110, 3113, 3114, 3312*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 2662 | 36.3.11.9 | 281.54 | Missing paragraph | Similar to 11ax spec it is suggested that following pargraph be also added at the end:  "It is recommended that the spatial mapping matrix applied to EHT-STF and beyond is chosen such that it preserves  the smoothness of the physical channel, achieved by limiting the variation of each element's real and  imaginary values in the spatial mapping matrix across successive tones within one RU." | Accepted |
| 2815 | 36.3.11.9 | 280.56 | "EHT MU PPDU on frequency segment i\_seg and transmit chain i\_rx". The use of "frequency segment" here is a carry-over from HE, where it was used for non-contiguous spectrum. Since we don't have non-contiguous spectrum in EHT, there is no need for an i-seg index. | Remove use of frequency segment for EHT-modulated fields. | Revisied  Agree in principle with the commenter. Remove i\_seg.  TGbe editor to make the changes shown in 11-21/0274r0. |
| 3076 | 36.3.11.9 | 278.57 | missed NDP feedback support that already in 11ax | add it back | Rejected  TGbe has not agreed on support of NDP feedback yet. |
| 3110 | 36.3.11.9 | 280.56 | "The time domain representation of the signal for EHT MU PPDU on frequency segment and transmit chain shall be as specified in Equation (36-31).", frequency segment should be removed since 11be only has contiguous transmission. In equation (36-31), iseg should be removed to be consistent with transmit signal equations in other subclauses. | As in comment | Revisied  Agree in principle with the commenter. Remove i\_seg.  TGbe editor to make the changes shown in 11-21/0274r0. |
| 3113 | 36.3.11.9 | 281.37 | The time domain representation of the signal for EHT TB PPDU ... on frequency segment and transmit chain shall be as specified in Equation (36-32). frequency segment should be removed since 11be only has contiguous transmission. In equation (36-32), iseg should be removed to be consistent with transmit signal equations in other subclauses. | As in comment | Revisied  Agree in principle with the commenter. Remove i\_seg.  TGbe editor to make the changes shown in 11-21/0274r0. |
| 3114 | 36.3.11.9 | 281.54 | remove iseg from Qk,u | As in comment | Revisied  Agree in principle with the commenter. Remove i\_seg.  TGbe editor to make the changes shown in 11-21/0274r0. |
| 3312 | 36.3.11.9 | 279.54 | add the definition or reference of M in Equation (36-25) | as in comment | Rejected  In 279.2 of D0.3, *M* is defined. |

*TGbe Editor: Please make the following changes in 280.56 and Equation 36-31 of D0.3:*

The time domain representation of the signal for EHT MU PPDU on transmit chain *iTX* shall be as specified in Equation (36-31).

(#2815)(#3110)

*TGbe Editor: Please make the following changes in 281.37 and Equation 36-32 of D0.3:*

The time domain representation of the signal for an EHT TB PPDU transmitted by user *u* in the *r-*th RU on transmit chain *iTX* shall be as specified in Equation (36-32).

where

is the windowing function for EHT-STF field in the EHT TB PPDU

is defined in 36.3.10 (Mathematical description of signals).

(#3113)(#3114)