IEEE P802.11  
Wireless LANs

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| **CC50 Comment Resolutions for 38.3.15.3 and 38.3.15.4** |
| **Date:** 2025-03-25 |
| **Author(s):** |

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Abstract

This submission proposes the resolutions for following 4 CIDs:

1631

Revisions:

* Rev 0: Initial version of the document.
  + SP passed for 3 CIDs ( 310, 2286, 311).
* Rev 1: update the resolution for CID 1631

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

***Editing instructions formatted like this are intended to be copied into the TGbn D1.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbn Editor: Editing instructions preceded by “TGbn Editor” are instructions to the TGbn editor to modify existing material in the TGbn draft. As a result of adopting the changes, the TGbn editor will execute the instructions rather than copy them to the TGbn Draft.***

#### *CID 310*

|  |  |  |  |  |  |
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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 310 | 38.3.15.3 | 139.43 | This whole section looks identical to 36.3.12.3, with some changes in notation only. Avoid duplication and refererence 36.3.12.3 if possible. | See comment | Rejected,  I agree in general that this clause seems to look identical to 36.3.12.3. However, to apply the newly defined parameter in 11bn and to refer to the specific clause for UHR, it is better to keep this clause. |

#### *CID 2286*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 2286 | 38.3.15.3 | 140.05 | eta\_L-STF is not defined in Equation (38-3) for UHR TB PPDU, please add the definition after (38-3). Same comment applies to all pre-UHR preamble fields (L-LTF, L-SIG, RL-SIG and U-SIG) for UL TB PPDU. | As in comment | Revised,  I agree with the commenter. For this, we can reuse the value defined in 11be for that.  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/11-25-0548-00-00bn-cc50-cr-for-38.3.15.3 and 38.3.15.4.docx. |

Discussion:

802.11RevmeD7.0

P4295L28



***TGbn Editor: please modify the text in P138L41 of 11bn D0.1 as follows.***

is the power scaling factor of a given field within an OFDM symbol. For UHR ELR PPDU, is

for all the subcarriers of the L-STF, L-LTF, UHR-STF, and UHR-LTF fields. For all the subcarriers of the L-STF, L-LTF, L-SIG, RL-SIG, and U-SIG fields in UHR TB PPDU, , meaning in the range to 1. For other fields in UHR ELR PPDU and UHR TB PPDU, = 1. (# 2286)

#### *CID 1631*

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1631 | 38.3.15.3 | 140.13 | Define Table 38-xx (Number of modulated subcarriers and guard interval duration values for UHR PPDU fields | as in comment | Revised.  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/11-25-0548-00-00bn-cc50-cr-for-38.3.15.3 and 38.3.15.4.docx. |

Discussion :

Table 36-26 in 11be D7.0



***TGbn Editor: please add the following table in clause 38.3.14.4 of 11bn D0.1***

Table 38-xx—Number of modulated subcarriers and guard interval duration values for UHR PPDU fields (# 1631)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Field** | *N*Tone **as a function of bandwidth**  Field | | | | | **Guard interval duration** |
| **20 MHz** | **40 MHz** | **80 MHz** | **160 MHz** | **320 MHz** |
| L-STF | 12 | 24 | 48 | 96 | 192 | — |
| L-LTF | 52 | 104 | 208 | 416 | 832 | *T*G*I,* L-LTF |
| L-SIG in an UHR PPDU | 56 | 112 | 224 | 448 | 896 | *TGI,*Pre-UHR |
| L-SIG in a non-HT duplicate PPDU | — | 104 | 208 | 416 | 832 |
| RL-SIG | 56 | 112 | 224 | 448 | 896 | *TGI,*Pre-UHR |
| U-SIG | 56 | 112 | 224 | 448 | 896 | *TGI,*Pre-UHR |
| UHR-SIG | 56 | 112 | 224 | 448 | 896 | *TGI,*Pre-UHR |
| ELR-SIG | 208 | — | — | — | — | *TGI, ELR-SIG* |
| NON\_HT\_DUP\_OFD  M-Data (see NOTE) | — | 104 | 208 | 416 | 832 | *TGI,*Pre-UHR |
| NOTE—For notational convenience, NON\_HT\_DUP\_OFDM-Data is used as a label for the Data field of a NON\_HT PPDU with format type NON\_HT\_DUP\_OFDM. | | | | | | |

***TGbn Editor*** : ***Please add the TGI, L-LTF and TGI,Pre-UHR to the fifth and sixth rows in Table 38-15 Timing-related constants of 11bn D0.1 as below***

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Value** | **Description** |
| *F* Pre-UHR | 312.5 kHz | Subcarrier frequency spacing for the pre- UHR modulated fields |
| *F* UHR | 78.125 kHz | Subcarrier frequency spacing for the UHR modulated fields |
| *TDFT* Pre-UHR | 3.2 µs | IDFT/DFT period for the pre-UHR modulated fields |
| *TDFT* UHR | 12.8 µs | IDFT/DFT period for the UHR Data field |
| *TGI* Pre-UHR | 0.8 µs | Guard interval duration for the pre-UHR modulated fields excluding the L-LTF field |
| *TGI* L-LTF | 1.6 µs | Guard interval duration for the L-LTF field |
| *TGI* ELR-MARK | 0.8 µs | Guard interval duration for the ELR-MARK field |
| *TGI* UHR-LTF, ELR | 1.6 µs | Guard interval duration for the UHR-LTF field in UHR ELR PPDU |
| ∙∙∙ | ∙∙∙ | ∙∙∙ |

#### *CID 311*

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 311 | 38.3.15.4 | 140.40 | This whole section looks identical to 36.3.12.4, with some changes in notation only. Avoid duplication and refererence 36.3.12.4 if possible. | See comment | Rejected,  I agree in general that this clause seems to look identical to 36.3.12.4. However, to apply the newly defined parameter in 11bn and to refer to the specific clause for UHR, it is better to keep this clause. |