IEEE P802.11  
Wireless LANs

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| **CC50 Comment Resolutions for 38.3.7 UHR PPDU formats** |
| **Date:** 2025-03-25 |
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Abstract

This submission proposes the resolutions for following 14 CIDs:

48, 1621, 49, 50, 51, 2178, 3237, 211, 307, 2179, 575, 2269, 3533, and 3555

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 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 48, 1621*

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 48 | 38.3.7 | 114.26 | Remove the editor's note in a later draft, e.g., D0.2, as the conflict has been resolved in D0.1. Same comment to P115L33. | Refer to the comment. | Accepted. |
| 1621 | 38.3.7 | 114.26 | Remove editor's note | as in comment | Accepted. |

Discussion:

P114L26



P115L33



#### *CID 49, 50, 51, 2178*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 49 | 38.3.7 | 114.31 | Since there are 3 PPDU formats in UHR instead of 2 as in EHT, need more description on the use case of each PPDU format and the presence of fields. Add "non-ELR" before "transmission". Change the last sentence of the paragraph to "In the UHR MU PPDU, the UHR-SIG field is present, while the ELR-MARK and ELR-SIG fields are not present." | Refer to the comment. | Rejected,  The configuration of each PPDU type was defined well in the figure 38-4, 38-5, 38-6.  So, we don’t need additional description and text change. |
| 50 | 38.3.7 | 114.44 | Since there are 3 PPDU formats in UHR instead of 2 as in EHT, need more description on the use case of each PPDU format and the presence of fields. Change "the UHR-SIG field is not present" to "the ELR-MARK, UHR-SIG, and ELR-SIG fields are not present." | Refer to the comment. | Rejected,  The configuration of each PPDU type was defined well in the figure 38-4, 38-5, 38-6.  So, we don’t need additional description and text change |
| 51 | 38.3.7 | 114.58 | Since there are 3 PPDU formats in UHR instead of 2 as in EHT, need more description on the use case of each PPDU format and the presence of fields. Add "ELR" before "SU transmission." Add a new sentence of "In the UHR ELR PPDU, the ELR-MARK and ELR-SIG fields are present, while the UHR-SIG field is not present." to the end of the paragraph. | Refer to the comment. | Rejected,  The configuration of each PPDU type was defined well in the figure 38-4, 38-5, 38-6.  So, we don’t need additional description and text change |
| 2178 | 38.3.7 | 114.58 | Differentiate between 'non-ELR' SU and SU in the description of the ELR PPDU; otherwise, how is this different from the MU PPDU which also supports an SU transmission. | change to "This format is used for a long-range SU transmission". | Rejected,  The configuration of each PPDU type was defined well in the figure 38-4, 38-5, 38-6.  Also, the details related to ELR PPDU is described in clause 38.3.8 |

#### *CID 3237*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 3237 | 38.3.7 | 114.34 | "8us: 4us per symbol" should be "8us (4us per symbol)" in Figure 38-4. Ditto Figures 38-5 and 38-6. | As in comment. | Rejected.  It is better to use the same terminology by considering the consistency with 11be. |

#### *CID 211*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 211 | 38.3.7 | 114.35 | change the UHR MU PPDU to UHR MU/CSR/CBF PPDU | same as comment | Rejected,  We only defined the 3 types of PPDU, i.e., MU-PPDU, TB-PPDU, ELR PPDU. And, CSR/CBF is one of the transmission methods in which MU-PPDU is used.  Therefore, we don’t need to change. |

#### *CID 307*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 307 | 38.3.7 | 115.47 | " If the STA's UHR modulated fields occupy more than one 20 MHz channel, the pre-UHR modulated fields are duplicated over all 20 MHz channels UHR modulated fields are occupied.". It may be good to point out here what this means for DRUs specifically. | Following this requirement, a DRU should send pre-UHR modulated fields in all 20 MHz subchannels. | Rejected,  The DRU is used in TB PPDU and an allocated DRU for a non-AP STA is located within DBW which is occupied by UHR modulated field. So, it does not send pre-UHR modulated fields in all 20MHz channels and, a defined equal rule for TB PPDU regarding the pre-UHR field should be applied. |

#### *CID 2179*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 2179 | 38.3.7 | 115.49 | The sentence is missing some key words describing that these are 20Mhz channels on which UHR modulated fields are being transmitted/occupied | change to "...the pre-UHR modulated fields are duplicated over all 20 MHz channels where UHR modulated fields are occupied". | Accepted. |

#### *CID 575, 2269, 3533, 3555*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 575 | 38.3.7 | 115.62 | Add parenthesis ")" after "38.3.17 (Packet extension)". | See the comment. | Revised,  Missed parenthesis should be added.  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/ 11-25-0523-00-00bn-cc50-cr-for-38-3-7-UHR-PPDU-formats.docx. |
| 2269 | 38.3.7 | 115.62 | "A signal extension shall be assumed to be present (for the purpose of timing of PHY-RXEND.indication and PHY-CCA.indication primitives, as described below and in 38.3.17 (Packet extension) in a received PPDU if one of the following conditions applies". The reference 38.3.17 (Packet extension) has no texts related to signal extension. Packet extension is different than signal extension. Please correct the reference. | As in comment | Revised.  I agree with the commenter.  It might be mistaken when the editor wrote the draft based on 24/2032. The wrong reference should be replaced with 38.3.26 (UHR receive procedure).  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/ 11-25-0523-00-00bn-cc50-cr-for-38-3-7-UHR-PPDU-formats.docx. |
| 3533 | 38.3.7 | 115.62 | typo | and in 38.3.17 (Packet extension) -> and in 38.3.26 (UHR receive procedure) | Revised.  I agree with the commenter.  It might be mistaken when the editor wrote the draft based on 24/2032. The wrong reference should be replaced with 38.3.26 (UHR receive procedure).  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/ 11-25-0523-00-00bn-cc50-cr-for-38-3-7-UHR-PPDU-formats.docx. |
| 3555 | 38.3.7 | 115.62 | wrong section referred and also a closing bracket missing (typo) | Change 'in 38.3.17 (Packet extension)' to 'in 38.3.26 (UHR receive procedure))' | Revised.  I agree with the commenter.  It might be mistaken when the editor wrote the draft based on 24/2032. The wrong reference should be replaced with 38.3.26 (UHR receive procedure).  TGbn Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/25/ 11-25-0523-00-00bn-cc50-cr-for-38-3-7-UHR-PPDU-formats.docx. |

***TGbn Editor: please modify the text in P115L62 of 11bn D0.1 as follows.***

A signal extension shall be assumed to be present (for the purpose of timing of PHY-RXEND.indication and

PHY-CCA.indication primitives, as described below and in 38.3.25 (UHR receive procedure)) (#575,#2269,#3533,#3555)in a received PPDU if one of the following conditions applies: