IEEE P802.11  
Wireless LANs

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| **CC50 CR for misc CIDs of Data filed** |
| **Date:** 2025-07-27 |
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Abstract

This submission proposes resolutions for comments of TGbn D0.3 with the following 22 CIDs:

123, 348, 349, 350, 351, 352, 601, 1095, 1096, 1097, 1184, 1208, 1645, 1963, 1964, 2075, 2330, 2784, 3532, 3541, 3542, 3543,

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

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

#### *CIDs*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 123 | 38.3.16.1.3 | 195.42 | Table 38-36 is a new table, not an updated version of an existing table. Remove the NOTE. | Refer to the comment. | Revised  This is an update of the table Table 19-15—LDPC parameters.  TGbn editor: Please make the changes shown in 11/25-1173r1. |
| 348 | 38.3.16 | 194.27 | missing SERVICE and scrambler sections in Data Field Clause. | Add missing sections | Revised  TGbn editor: Please make the changes shown in 11/25-1173r1. |
| 349 | 38.3.16.1.1 | 194.36 | "For a UHR ELR PPDU, the coding type is selected ...". What about the other PPDU types? In fact, a lot of the Data Field clause seems to only mention ELR PPDU. Make sure it adequately covers all PPDU types. | See comment | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 350 | 38.3.16.1.5 | 195.54 | Define "UHR SU transmission" | See comment | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 351 | 38.3.16.2 | 197.44 | "inclusion of N\_BPSCS=1 is TBD" | Update based on latest agreements | Revised  Already fixed by CID1366 and included in draft 0.3.  Therefore, no further changes are needed. |
| 1095 | 38.3.16.2 | 197.44 | "Inclusion of NBPSCS(iss)=1 is TBD" can be resolved based on passed motion. BPSK is not included in UEQM | Remove sentence |
| 352 | 38.3.16.7 | 198.51 | Within Figure 38-24, change use of "RU" to "RRU" to be consistent with the caption. | See comment | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 601 | 38.3.16.1.7 | 197.14 | Change "bitsis" to "bits is". | See the comment. | Revised  Already fixed by CID33 and included in draft 0.3.  Therefore, no further changes are needed. |
| 3543 | 38.3.16.1 | 196.14 | language | bitsit ---> bits is |
| 1096 | 38.3.16.7 | 198.35 | "the 52-tone RRU 3" is not a new bullet point. | remove bullet | Revised  Already fixed by CID1367 and included in draft 0.3.  Therefore, no further changes are needed. |
| 1184 | 38.3.16.7 | 198.34 | The second and third paragraphs are one sentence. Revise them into one sentence. | As the comment. |
| 2330 | 38.3.16.7 | 198.34 | "The phase rotation of -1 shall be applied on data subcarriers of the lower half of" sentence is incomplete. The following subbullet should be in the same sentence. Please fix it. | As in comment |
| 3532 | 38.3.16.7 | 198.34 | sentence broken due to bullet | remove the carriage return on line 34 and remove the bullet on line 36. |
| 1097 | 38.3.16.8 | 199.29 | Typo. "d\_{k,m,n,4,u} maps to data subcarriers in RU4" should be "d\_{k,m,n,3,u}" instead | See comment | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 2075 | 38.3.16.7 | 199.29 | "d\_k,m,n,4,u" should be replaced with "d\_k,m,n,3,u" in the mapping of data subcarriers in RU4. | Replace "d\_k,m,n,4,u" with "d\_k,m,n,3,u". |
| 1208 | 38.3.16.1.5 | 195.60 | N\_SD,short is not defined in the draft. | If it is based on EHT, then it should be specified. In addition, need to place a note that the values are valid when IM is not applied | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 1645 | 38.3.16.1.6 | 196.01 | Define Encoding process for a UHR TB PPDU | as in comment | Rejected  There are still several things undetermined yet, so better update it in next version.  Therefore, no further changes are needed. |
| 1963 | 38.3.16.7 | 198.26 | RRU52 should be unified as 52-tone RU. | Change RRU52 as 52-tone RU. | Rejected  It is unified as RRU to distinguish it from the DRU  Therefore, no further changes are needed. |
| 1964 | 38.3.16.7 | 198.29 | 52-tone RRU should be unified as 52-tone RU. | Change 52-tone RRU as 52-tone RU. |
| 2784 | 38.3.16.7 | 198.62 | Change "RR52s" to "RRU52s" | see comments | Revised  TGbn editor: Please make the changes shown 11/25-1173r1. |
| 3541 | 38.3.16.1 | 194.61 | To be consistent in symbol usage | N\_ss,u ---> N\_ss,r,u | Rejected  The page or line number is wrong. Can not find it.  Therefore, no further changes are needed. |
| 3542 | 38.3.16.1 | 195.21 | The symbol defnitions are not found in Table 38-15 | N\_tail, N\_service, and N\_DBPS are not defined in Table 38-15 of this draft version; if they are defined somewhere else, need to change the Table reference |

*TGbn Editor: Please make the following changes in Page 301 Line 20 of D0.3:*

NOTE—This table is updated from Table 19-15 (#123) to support the 3888-bit LDPC codes added in UHR.

*TGbn Editor: Please make the following changes in Page 300 Line 13 of D0.3:*

(#348)

**38.3.16.1 SERVICE field**

The SERVICE field of the UHR DATA field is shown in [Table 38-xx (SERVICE field)](#_bookmark1934).

**Table 38-xx—SERVICE field**

|  |  |  |
| --- | --- | --- |
| **Bits** | **Field** | **Description** |
| B0–B10 | Scrambler Initialization | Set to 0 |
| B11–B15 | Reserved | Set to 0 |

* + - 1. Scrambler

The SERVICE field, PSDU, and pre-FEC PHY padding of the Data field shall be scrambled by the scrambler, as defined in 36.3.13.2(EHT PHY DATA scrambler and descrambler).

*TGbn Editor: Please make the following changes in Page 300 Line 19 of D0.3:*

(#349)

The Data field shall be encoded using either BCC, if allowed, defined in 38.3.16.1.2 (BCC coding) or the LDPC code defined in 38.3.16.1.3 (LDPC coding). For a UHR MU PPDU and a UHR ELR PPDU, the coding type is selected by the Coding field in UHR-SIG and ELR-SIG1, respectively, as defined in 38.3.15.9 (UHR-SIG) and 38.3.15.12 (ELR-SIG).

When conducting BCC FEC encoding for a UHR MU PPDU or a UHR ELR PPDU, the number of encoders is always 1 per STA.

*TGbn Editor: Please add the followingparagragh in Page 301 Line 42 of D0.3:*

(#350)

**36.3.25** **UHR SU transmission**

The UHR SU transmission is a transmission to a single user using the UHR MU PPDU format with the

following settings in the U-SIG field:

— The PPDU Type And Compression Mode subfield has value equal to 1.

— The B2 of U-SIG-2 has value equal to 1.

See also Table 38-24—Combination of UL/DL field, PPDU Type And Compression Mode field and B2 of U-SIG-2.

*TGbn Editor: Please make the following changes in Page 304 Line 28 of D0.3:*

(#352) Replace “52-tone RU” in figure 38-25 with “52-tone RRU”

*TGbn Editor: Please make the following changes in Page 305 Line 3 of D0.3:*

Here, maps to data subcarriers in RU1, maps to data subcarriers in RU2, 

maps to data subcarriers in RU3, and (#1097) maps to data subcarriers in RU4

*TGbn Editor: Please add the followingparagragh in Page 301 Line 42 of D0.3:*

(#1208) The parameter  values for different RU and MRU sizes are shown in Table 36-46 (NSD,short values for EHT-MCS values from 0 to 13 and 15).

*TGbn Editor: Please make the following changes in Page 304 Line 36 of D0.3:*

After frequency domain duplication, the transmitted constellations over four RRU52s(#2784) are defined by

Equation (38-48), Equation (38-49), and Equation (38-50).