### IEEE P802.11 Wireless LANs

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| Comment Resolution for 9.3.1.22.2 | | | | |
| Date: 2025-04-08 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alice Chen | Qualcomm Inc. |  |  | alicel@qti.qualcomm.com |
| Alfred Asterjadhi | Qualcomm Inc |  |  | aasterja@qti.qualcomm.com |
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Abstract

This document contains comment resolutions for the following 93 CIDs related to subclause 9.3.1.22.2.

* 11, 12, 13, 14, 15, 59, 60, 112, 281, 282,
* 365, 366, 367, 368, 407, 552, 553, 554, 555, 556,
* 614, 815, 1196, 1197, 1198, 1199, 1268, 1317, 1569, 1606,
* 1607, 1608, 1729, 1986, 2085, 2086, 2087, 2088, 2089, 2090,
* 2341, 2342, 2343, 2663, 2664, 2808, 2881, 2882, 2883, 2884,
* 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894,
* 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 3162,
* 3163, 3206, 3272, 3285, 3286, 3287, 3475, 3476, 3477, 3632,
* 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642,
* 3724, 3835, 3836.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revised the resolutions to CIDs 2088 & 3641.

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

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

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 11 | Jialing Li (Alice Chen) | 9.3.1.22.2 | 40.13 | Remove the editor's note in a later draft, e.g., D0.2, as the conflict has been resolved in D0.1. | Refer to the comment. | Accepted |
| 12 | Jialing Li (Alice Chen) | 9.3.1.22.2 | 41.62 | Change "de-fined" to "defined". | Refer to the comment. | Accepted |
| 13 | Jialing Li (Alice Chen) | 9.3.1.22.2 | 42.48 | Replace the first " or" in the sentence with a comma. Same comment to P42L50, P42L51, P42L53, and P42L54. | Refer to the comment. | Accepted |
| 14 | Jialing Li (Alice Chen) | 9.3.1.22.2 | 44.09 | "or UHR" should not be in red. Change the color of "or UHR" from red to black. Same comment to P46L52 and P46L56. | Refer to the comment. | Revised –  Agree in principle. But this whole sentence is deleted in resolution to CID 2897.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 14. |
| 15 | Jialing Li (Alice Chen) | 9.3.1.22.2 | 44.39 | The values for B1-B3 when they are reserved is not given. Suggest to set each bit to 1 (which was the original value when it was reserved in the HE variant Common Info field) when it is reserved. Suggest to revise the two sentences to "If UL BW is 20 MHz, 40 MHz or 80 MHz, then B1-B3 in the DRU/RRU Indication subfield are reserved and are set to all 1s. If UL BW is 160 MHz, then B2-B3 in the DRU/RRU Indication subfield are reserved and are set to all 1s." | Refer to the comment. | Accepted |
| 59 | Stephen McCann | 9.3.1.22.2 | 42.01 | The text should read "not equal to 3" | Change "is set to a value different than 3" to "is not equal to 3" | Revised –  Agree with comment. Easier to say “less than”  TGbn Editor: Please replace “set to a value different” with “less”. |
| 60 | Stephen McCann | 9.3.1.22.2 | 42.02 | There are a couple of issues with this text | Change "the PPDU send in response to the BSRP Trigger frame is using TB PPDU format" to "the PPDU sent in response to the BSRP Trigger frame uses the TB PPDU format" | Accepted |
| 112 | Ke Zhong | 9.3.1.22.2 | 44.47 | "Indica-tion" in B2 of Figure 9-90e1 is a typo. | In B2 of Figure 9-90e1, replace "Indica-tion" with "Indication" to fix the typo. | Accepted |
| 281 | Sigurd Schelstraete | 9.3.1.22.2 | 41.62 | Typo: "de-fined" | Fix | Revised –  Replace “de-fined” with “defined”. |
| 282 | Sigurd Schelstraete | 9.3.1.22.2 | 44.35 | Improve wording "indicates whether distributed RU (DRU) or regular RU (RRU) transmis- sion is solicited in each 80 MHz frequency subblock" | Change to: "indicates per 80 MHz frequency subblock whether distributed RU (DRU) or regular RU (RRU) transmission is solicited" | Revised –  Agree in principle. Accounting for the change with some editorial improvements.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 282. |
| 365 | Sigurd Schelstraete | 9.3.1.22.2 | 42.05 | Why is this labeled as a Figure, rather than a Table? | See comment | Revised –  Agree. Changed to table.  TGbn editor: Please reclassify the Figure 9-90b2 as Table 9-90b2 throughout (including links). |
| 366 | Sigurd Schelstraete | 9.3.1.22.2 | 42.05 | Mixing these two very different interpretations of this subfield should be avoided. Keep the "GI subfield" for signaling GI information only. | See comment | Rejected –  The comment fails to identify a technical issue. Value 3 is reserved and hence can be used for other purposes. This is done extensively in many other cases throught the standard. |
| 367 | Sigurd Schelstraete | 9.3.1.22.2 | 42.05 | Values 0 and 1 should no be used for DRUs. | Add this to the specification | Revised –  Agree. Added one sentence to the paragraph above the table.  TGbn editor to make changes shown in 11-25/0633r1 under all headings that include CID 367. |
| 368 | Sigurd Schelstraete | 9.3.1.22.2 | 42.05 | Given that DRUs can de facto only use 4xLTF + 3.2 usec GI, we propose to define a new LTF+GI option for DRU to make sure DRUs have choices that support 1.6 usec (like RRU). | Specifiy new entries in the Table (Figure 9-90b4) that combine 4xLTF with 1.6 usec GI |  |
| 407 | Shuang Fan | 9.3.1.22.2 | 41.62 | change 'de-fined' to 'defined' | as in comment | Accepted |
| 552 | Eunsung Park | 9.3.1.22.2 | 40.01 | A non-AP EHT STA which has UHR funtionality can interpret the Common Info field as a UHR variant. "non-UHR" should be added. | Change "A non-AP EHT STA interprets ~" to "A non-UHR non-AP EHT STA interprets ~" | Revised –  Agree to the comment. Changed the wording.  TGbn editor to change “A non-AP EHT STA” to “A non-AP non-UHR EHT STA”. |
| 553 | Eunsung Park | 9.3.1.22.2 | 41.54 | Delete "-" in "sub-field", | See the comment. | Accepted |
| 554 | Eunsung Park | 9.3.1.22.2 | 41.54 | Delete "or" between "The GI And HE LTF Type sub-field," and "GI And HE/EHT-LTF Type subfield". | See the comment. | Accepted |
| 555 | Eunsung Park | 9.3.1.22.2 | 42.48 | Delete "or" between "HE-LTF" and "EHT-LTF". | Change to "0 for 1 HE-LTF, EHT-LTF or UHR-LTF symbol", "1 for 2 HE-LTF, EHT-LTF or UHR-LTF symbols", "2 for 4 HE-LTF, EHT-LTF or UHR-LTF symbols", "3 for 6 HE-LTF, EHT-LTF or UHR-LTF symbols", "4 for 8 HE-LTF, EHT-LTF or UHR-LTF symbols". | Accepted |
| 556 | Eunsung Park | 9.3.1.22.2 | 44.49 | Delete "-" in "indica-tion" for the description of B2. | See the comment. | Accepted |
| 614 | Suhwook Kim | 9.3.1.22.2 | 44.35 | "distributed RU" should be "Distributed-tone RU" | As in comment | Revised –  Agree to the comment.  TGbn editor to change “distributed RU” to “Distributed-tone RU”. |
| 815 | Oren Kedem | 9.3.1.22.2 | 41.17 | Does setting GI And HE/UHR-LTF Type subfield value can be 3 in trigger frames which are not BSRP ? | Please clarify | Revised –  That is the intention and also reflected in the description. To make it clearer we are adding a sentence in the paragraph above the table as well.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 815. |
| 1196 | Dong Guk Lim | 9.3.1.22.1 | 40.01 | The UHR STA can be a EHT/HE STA. So, to indicate each STA type clearly, it should include the non-UHR at the start of the first and second text. | As the comment. | Revised –  First sentence is correct. Amending second sentence.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 1196. |
| 1197 | Dong Guk Lim | 9.3.1.22.2 | 41.54 | Fix typo | Change "sub-field" with "subfield" | Accepted |
| 1198 | Dong Guk Lim | 9.3.1.22.2 | 41.59 | Fix typo | Delete the blank after HE/EHT | Accepted |
| 1199 | Dong Guk Lim | 9.3.1.22.2 | 41.62 | Fix typo | Delete "-"between de and fine. | Accepted |
| 1268 | Hong Won Lee | 9.3.1.22.2 | 42.05 | This should be changed to "UHR-LTF" for consistency | Change from "UHR" to "UHR-LTF" | Accepted |
| 1317 | Mitsuyoshi Yukawa | 9.3.1.22.2 | 41.61 | A BSRP Trigger frame with GI And HE/UHR-LTF equal to 3 is used as an ICF for various features. A non-AP STA which receives a BSRP Trigger frame should identify which feature to be triggered. | Please clarify how a non-AP STA can know the sort of feature triggered by a BSRP Trigger frame. | Revised –  Agree to the comment that this needs to be addressed. In 9.3.1.22.1 (General), we added spec text on what STA a BSRP NTB Trigger frame can address to, in 11-25/442r4. In 9.3.1.22.12 (BSRP Trigger frame format), we added more details on the BSRP NTB Trigger frame, in 11-25/637r4.  TGbn editor to make no change. |
| 1569 | Jinsoo Choi | 9.3.1.22.2 | 44.37 | Figure 9-90e1 shows DRU/RRU Indication subfield format for 320MHz BW rather than the format for all BW cases as noted in following sentence that says the need of being reserved for other BWs, so it's better to express this is a definition of the format for the maximum BW case, i.e. 320MHz, in the text and the title in the figure. | See the comment. | Rejected –  Figure 9-90e1 shows a general definition instead of a definition for a particular BW. There is no other definition of the 4-bit field. The paragraph above Figure 9-90e1 has clearly stated the definition and interpretation of this 4-bit field. There is no ambiguity. |
| 1606 | Jian Yu | 9.3.1.22.2 | 40.35 | Define B37-B52 | as in comment | Revised –  Removed “TBD” to keep the UL Spatial Reuse field in the Common Info field and the EHT/UHR Spatial Reuse 1 and EHT/UHR Spatial Reuse 2 fields in the Special user info field.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 1606. |
| 1607 | Jian Yu | 9.3.1.22.2 | 41.16 | Remove TBD | as in comment | Revised –  Agree in principle with the comment. Proposed resolution adds the subclause titles to the draft so that the referenced TBD is fixed.  TGbn editor to make changes shown in 11-25/0633r1 under all headings that include CID 1607. |
| 1608 | Jian Yu | 9.3.1.22.2 | 43.30 | Define Equation (38-B) | as in comment | Revised –  Agree that we need to address this. Will simply refer to rules in 38.3.17 (Packet extension), since 38.3.17 refers to the same equation (36-94) in 802.11be spec.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 1608. |
| 1729 | Gaius Wee | 9.3.1.22.2 | 41.20 | Misspelling of Required in the editor note | Replace "Requied" with "Required" | Accepted |
| 1986 | Liuming Lu | 9.3.1.22.1 General | 40.06 | The differentiation of an EHT or UHR variant Common Info field is based on the PHY Version Identifier subfield in the Special User Info field. Need to clarify that the Special User Info field is always present depending on the condition mentioned. | As in comment. Please clarify for better readability. Suggest to add a note. | Revised –  Agree. Made different change.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 1986. |
| 2085 | Vishnu Ratnam | 9.3.1.22.2 | 40.56 | Note 2 reads: "For backward compatibility with the HE or EHT variant Common Info field, ...". But based on current design the Common Info can either be interpreted as EHT variant by all EHT/UHR STAs or UHR variant by all EHT/UHR STAs. So there is no need to be backward compatible with EHT variant Common Info. | Suggest to repharse as: "For backward compatibility with the HE variant Common Info field, ..." | Revised –  There is no backward compatible issue to either HE variant Common Info field or EHT variant Common Info field. Remove the whole phrase.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2085. |
| 2086 | Vishnu Ratnam | 9.3.1.22.2 | 41.61 | The text reads "The GI And HE/UHR-LTF Type subfield is present in a Trigger frame that solicits a TB PPDU response and its encoding is de-fined" which is a little ambiguous on where the field is present. Suggest to update to "The GI And HE/UHR-LTF Type field is present in a UHR-variant Common Info field of a Trigger frame that solicits a TB PPDU response and its encoding is defined" | As in comment. | Revised –  Agree to the comment to add “UHR variant”, but also need to clarify the solicited PPDU may not be a TB PPDU.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2086. |
| 2087 | Vishnu Ratnam | 9.3.1.22.2 | 44.35 | The text reads "The DRU/RRU Indication subfield indicates whether ...". Replace with "The DRU/RRU Indication field of the UHR-variant Common Info field indicates whether ...". | As in comment. | Revised –  Agree. Removed “-” between “UHR” and “variant” in the suggested change in the comment.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2087. |
| 2088 | Vishnu Ratnam | 9.3.1.22.2 | 44.60 | Change the name of "IFCS Present Flag" with "IFCS Absent Flag" since the field is set to 0 when the I-FCS is present. | As in comment. | Accepted |
| 2089 | Vishnu Ratnam | 9.3.1.22.2 | 44.60 | The spec needs to carry an indication of the location of the I-FCS in the Trigger frame, which can simplify the receiver implementation by indicating how many octets of MAC data needs to be forwarded from PHY to the MAC to ensure I-FCS is included. | The commentor will bring a contribution to resolve the issue. | Revised –  This is resolved in the Special User Info field subclause in 11-25/634r2.  TGbn editor to make no change. |
| 2090 | Vishnu Ratnam | 9.3.1.22.2 | 44.61 | The text reads "... indicates whether the IFCS is present or not." Replace with "... indicates whether the IFCS is present or not in the trigger frame." | As in comment. | Accepted |
| 2341 | Yan Zhang | 9.3.1.22.2 | 41.45 | Reference 38.1 does not have such wording "80+80 MHz ... EHT TB PPDU", please add that in 38.1 | As in comment | Revised –  Agree to the comment that 38.1 doesn’t explicitly mention “80+80 MHz” is not defined. But similarly, 36.1 didn’t explicitly mention it either and only mentioned the defined BW modes. The idea is that something is not mentioned to be defined means it is not defined.  TGbn editor to make no change. |
| 2342 | Yan Zhang | 9.3.1.22.2 | 42.20 | In Table 9-90b4, Description for value 3, please add "Reserved for broadcast or group addressed Trigger frame, and Trigger frame variants except BSRP". | As in comment |  |
| 2343 | Yan Zhang | 9.3.1.22.2 | 44.20 | Put TBD after "or an HE/UHR P160 subfield of the UHR variant Common Info field" since it is still TBD to trigger UHR STA to transmit HE variant TB PPDU with this setting. | As in comment | Revised –  In a UHR variant Common info field, remove “HE/” to change it to “UHR P160” because there is no case that it would be interpreted as HE. Made the same change for other “HE/UHR” fields.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2343. |
| 2663 | Xiaofei Wang | 9.3.1.22.2 | 43.31 | it is unclear why some changes are in red while others are in black. | make the changes indication consistent | Revised –  Changes in red are the ones with TBDs, e.g., having TBD in the presence or definition of a field, referring to an undefined subclause or equation, etc. We’ve working on resolving those TBDs according to latest motions and CIDs.  TGbn editor to make no change. |
| 2664 | Xiaofei Wang | 9.3.1.22.2 | 44.63 | IFCS is not defined | provide a definition for IFCS | Revised –  Agree. Define the term in the first sentence that describes the IFCS Present Flag field. More on IFCS is in its standalone subclause 9.3.1.22.7.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2664. |
| 2808 | RUI YANG | 9.3.1.22.2 | 44.35 | Define RRU | As in comment | Revised –  The definition of “regular RU (RRU)” was in the first sentence that described the DRU/RRU Indication field in D0.1.  TGbn editor to make no change. |
| 2881 | Mark RISON | 9.3.1.22.1 | 40.04 | "A non-AP UHR STA interprets the Common Info field as an HE variant Common Info field if B54 and B55 in the Common Info field are equal to 1" -- also if B54 is 1 and B55 is 0, according to the table | As it says in the comment | Rejected –  The Common Info field variant is a EHT variant if B54 is 1 and B55 is 0, according to 11be spec. The table is used to interpret the User Info field variant. |
| 2882 | Mark RISON | 9.3.1.22.1 | 40.04 | "and interprets the Common Info field as an EHT or UHR variant Common Info field according to the PHY Version Identifier subfield in the Special User Info field" -- not if B54 and B55 are both 1 and B39 is 0, according to the table | Change to "and otherwise ..." | Rejected –  The Common Info field variant is a EHT variant if B54 is 1 and B55 is 0, according to 11be spec. The table is used to interpret the User Info field variant. |
| 2883 | Mark RISON | 9.3.1.22.1 | 45.01 | "B61-B62 of the UHR variant Common Info field are UHR Reserved and set to all 1s" -- there is no such thing as "UHR Reserved". Also missing full stop. Similarly at 44.32 for EHT | Change to "The UHR Reserved field is set to all 1s." | Revised –  Agree to the comment in principle. But this sentence is deleted in the resolution to CID 2897.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2883. |
| 2884 | Mark RISON | 9.3.1.22.1 | 40.57 | "sets B61-B62 to 1" is ambiguous | Change to "sets B61 and B62 to 1" | Accepted |
| 2885 | Mark RISON | 9.3.1.22.1 | 41.37 | "The UL BW subfield of the EHT variant Common Info field along with the UL BW Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the EHT TB PPDU, the UL BW subfield of the UHR variant Common Info field along with the UL BW Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the UHR TB PPDU, and is are defined in Table 9-46g (UL Bandwidth Extension subfield encoding)." is a run-on sentence | As it says in the comment | Revised –  Agree. Made changes to break the sentence into multiple sentences.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2885. |
| 2886 | Mark RISON | 9.3.1.22.1 | 41.37 | "The UL BW subfield of the EHT variant Common Info field along with the UL BW Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the EHT TB PPDU, the UL BW subfield of the UHR variant Common Info field along with the UL BW Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the UHR TB PPDU, and is are defined in Table 9-46g (UL Bandwidth Extension subfield encoding)." -- is the field called UL BW Extension or UL Bandwidth Extension? | As it says in the comment | Revised –  It is “UL Bandwidth Extension” instead of “UL BW Extension”.  TGbn editor to change “UL BW Extension” to “UL Bandwidth Extension”. |
| 2887 | Mark RISON | 9.3.1.22.1 | 41.53 | "The GI And HE-LTF Type sub-field, or GI And HE/EHT-LTF Type" -- "or" should be deleted now | As it says in the comment | Accepted |
| 2888 | Mark RISON | 9.3.1.22.1 | 41.62 | "de-fined" shouldn't have a hyphen | As it says in the comment | Revised –  Agree. Removed “-” in “de-fined”.  TGbn editor to removed “-” in “de-fined”. |
| 2889 | Mark RISON | 9.3.1.22.1 | 41.61 | "The GI And HE/UHR-LTF Type subfield is present in a Trigger frame that solicits a TB PPDU response" -- the naming suggests it can solicit an HE TB PPDU or a UHR TB PPDU but not an EHT TB PPDU -- is that correct? | As it says in the comment | Revised –  The name is change to “GI And UHR-LTF Type subfield”. Not solicit an HE or EHT TB PPDU. Made the same change for other “HE/UHR” fields.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2889. |
| 2890 | Mark RISON | 9.3.1.22.1 | 42.01 | "If the GI And HE/UHR-LTF Type subfield is set to a value different than 3 in a BSRP Trigger frame, then" should be "Otherwise," | As it says in the comment | Revised –  Agree to the comment.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2890. |
| 2891 | Mark RISON | 9.3.1.22.1 | 42.02 | "send" should be "sent" | As it says in the comment | Accepted |
| 2892 | Mark RISON | 9.3.1.22.1 | 42.02 | "is using TB PPDU format" should be "uses TB PPDU format" or "is a TB PPDU" | As it says in the comment | Revised –  Agree. Made a slightly different change.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2892. |
| 2893 | Mark RISON | 9.3.1.22.1 | 41.62 | "If the GI And HE/ UHR-LTF Type subfield is set to 3 in an individually addressed BSRP Trigger frame, then the PPDU sent in response to the BSRP Trigger frame is a non-HT (duplicate) PPDU that contains a Multi-STA BlockAck frame." duplicates the table | Delete the cited text | Rejected –  Agree that information is duplicated. For completeness, the paragraph above the table described different cases, including this cited case. |
| 2894 | Mark RISON | 9.3.1.22.1 | 42.01 | "If the GI And HE/UHR-LTF Type subfield is set to a value different than 3 in a BSRP Trigger frame, then the PPDU send in response to the BSRP Trigger frame is using TB PPDU format. " is behaviour not format | Move to Clause 37 |  |
| 2895 | Mark RISON | 9.3.1.22.1 | 42.23 | " of TXS Mode subfield" missing article | As it says in the comment | Revised –  Agree. Added “the”.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2895. |
| 2896 | Mark RISON | 9.3.1.22.1 | 42.22 | "The encoding of TXS Mode subfield in an HE or, EHT or UHR variant Common Info field is shown in Table 9-46n (TXS Mode subfield encoding). The TXS Mode subfield is defined in 9.3.1.22.11 (MU-RTS Trigger frame format)." -- well, which is it? | Delete one of the sentences | Revised –  Agree there is redundancy in this paragraph. Revised to remove part of the first sentence.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2896. |
| 2897 | Mark RISON | 9.3.1.22.1 | 42.33 | "B22 of the EHT or UHR variant Common Info field is reserved and is set to 0." duplicates figure. Also line 60 and 44.8 | Delete the cited text | Revised –  Agree. Made changes to more locations.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2897. |
| 2898 | Mark RISON | 9.3.1.22.1 | 42.48 | Too many "or"s | Replace the first in each bullet with a comma | Accepted |
| 2899 | Mark RISON | 9.3.1.22.1 | 44.15 | "An HE/EHT P160 subfield of the EHT variant Common Info field is set to 0 to indicate that the solicited TB PPDU in the primary 160 MHz is an EHT TB PPDU. An HE/UHR P160 subfield of the UHR variant Com-mon Info field is set to 0 to indicate that the solicited TB PPDU in the primary 160 MHz is a UHR TB PPDU. An HE/EHT P160 subfield of the EHT variant Common Info field or an HE/UHR P160 subfield of the UHR variant Common Info field is set to 1 to indicate that the solicited TB PPDU in the primary 160 MHz is an HE TB PPDU." -- all the "An"s should be "The"s | As it says in the comment | Accepted |
| 2900 | Mark RISON | 9.3.1.22.1 | 44.49 | "Indica-tion" should not have a hyphen. Ditto at 54.9 | As it says in the comment | Revised –  Agree.  TGbn editor to change “Indica-tion” to “Indication”. |
| 2901 | Mark RISON | 9.3.1.22.1 | 44.37 | " If UL BW is 20 MHz, 40 MHz or 80 MHz, then B1-B3 in the DRU/RRU Indication subfield are reserved. If UL BW is 160 MHz, then B2-B3 in the DRU/RRU Indication subfield are reserved. " -- not clear what "UL BW" refers to | Change to "If the UL BW field indicates ..." | Revised –  Agree to the comment. Made different changes.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2901. |
| 2902 | Mark RISON | 9.3.1.22.1 | 44.40 | "To solicit a UHR TB PPDU using DRU transmission in an 80 MHz frequency subblock, the corresponding bit in the DRU/RRU Indication subfield is set to 0. Other-wise, it is set to 1." contradicts the previous sentence, which says that for <320M some of the bits are reserved and hence 0 | As it says in the comment | Revised –  Agree to the comment. Revise the second sentence to avoid contradiction.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 2902. |
| 2903 | Mark RISON | 9.3.1.22.1 | 44.60 | There is a reference to "the IFCS" but there is no mention of the IFCS anywhere else in the document. What is it and where is it? | As it says in the comment | Rejected –  The second last paragraph in 9.3.1.22.2 is about the IFCS Present Flag field. And the IFCS is defined in 9.3.1.22.7. |
| 3162 | Yunbo Li | 9.3.1.22.2 | 41.30 | an "and" is missed before "37.TBD(UL MU CS mechanism for UHR STAs)". | as in comment | Revised –  Agree to comment. Made a change.  TGbn editor to replace the last “,” before “37.TBD(UL MU CS mechanism for UHR STAs)” with “ and”. |
| 3163 | Yunbo Li | 9.3.1.22.2 | 41.63 | "de-fined" -->"defined" | as in comment | Accepted |
| 3206 | Qi Wang | 9.3.1.22 | 41.61 | "If the GI And HE/ UHR-LTF Type subfield is set to 3 in an individually addressed BSRP Trigger frame, then the PPDU sent in response to the BSRP Trigger frame is a non-HT (duplicate) PPDU that contains a Multi-STA BlockAck frame. If the GI And HE/UHR-LTF Type subfield is set to a value different than 3 in a BSRP Trigger frame, then the PPDU send in response to the BSRP Trigger frame is using TB PPDU format." BSRP can be transmitted to contain unsolicited unavailability indication. The frame details of such BSRP still needs to be specified. | As in comment. | Revised –  Agree to the comment in principle. This is resolved in 11-25/0637r4 by adding a child subclause 9.3.1.22.6a (Feedback User Info field) for the user info field with AID12 value (2008).  TGbn editor to make no change. |
| 3272 | Hanqing Lou | 9.3.1.22.1 | 40.02 | Should be "non-AP non-UHR EHT STA" instead of "non-AP EHT STA" since a UHR STA is an EHT STA. | See Comment | Accepted |
| 3285 | Tianyu Wu | 9.3.1.22.2 | 41.63 | "is de-fined in Figure 9-90b4 (GI And HE/UHR Type subfield encoding)" should be "is defined in Table 9-46e (GI And HE/UHR Type subfield encoding)" | as in comment | Revised –  Agree. Removed “-” in “de-fined”.  TGbn editor to removed “-” in “de-fined”. |
| 3286 | Tianyu Wu | 9.3.1.22.2 | 42.06 | "Figure 9-90b4" should be "Table 9-46e" | as in comment | Rejected –  Table 9-46e (MU-MIMO HE-LTF Mode subfield encoding) is in 11be spec. Not this table. |
| 3287 | Tianyu Wu | 9.3.1.22.2 | 43.31 | There is no Equation (38-B) | Refer to the correct equation. | Revised –  Agree that we need to address this. Will simply refer to rules in 38.3.17 (Packet extension), since 38.3.17 refers to the same equation (36-94) in 802.11be spec.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3287. |
| 3475 | ron porat | 9.3.1.22.2 | 42.18 | to be more specific in table text, avoid applicability to non-BSRP TF? | In Figure 9-90b4, specify "responding PPDU format for a BSRP Trigger frame is non-HT" | Revised –  Agree to the comment. Made slightly different change.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3475. |
| 3476 | ron porat | 9.3.1.22.2 | 44.39 | typo | re-served --> reserved | Rejected –  The typo is not found in either the D0.1 or D0.2 spec text. |
| 3477 | ron porat | 9.3.1.22.2 | 44.49 | typo | Figure 9-90e1 B2 cell: Indica-tion --> Indication | Accepted |
| 3632 | Alfred Asterjadhi | 9.3.1.22.2 | 40.56 | Not sure what this note means. I would expect for example that B61 and B62 can be used anyways for other purposes and that would not cause any backward compatibility. | As in comment. | Revised –  Agree that there is no backward compatible issue. Revised the sentence by removing this phrase.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3632. |
| 3633 | Alfred Asterjadhi | 9.3.1.22.2 | 39.62 | We have now 4 different variants of Common Info field and 4 variants of User Info field. Maybe a good idea to have different subclauses, one for each of them. | As in comment. |  |
| 3634 | Alfred Asterjadhi | 9.3.1.22.2 | 40.48 | Is the I-FCS Present Flag expected to be present also in other variants of the Common Info field? If yes then make sure that it appears in every variant it is intended to appear. | As in comment. | Revised –  The IFCS and the IFCS Present Flag are applicable to the HE, EHT and UHR variants. Made changes accordingly.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3634. |
| 3635 | Alfred Asterjadhi | 9.3.1.22.2 | 40.54 | What is the difference between the UHR variant MU RTS Trigger and the EHT variant? Please clarify | As in comment. |  |
| 3636 | Alfred Asterjadhi | 9.3.1.22.2 | 41.62 | Need to define an appropriate name for this BSRP Trigger frame that solicits an M-BA that is carried in non-HT (dup) PPDU. And maybe a good idea to explicitly call out everything that needs to be defined for all the fields of this subvariant (make sure everything is covered, RA is individual) Common has a bunch of reserved fields, same for Special User and User Info for the STA, and possibly the Feedback User in that subclause. that will be easier to track and make sure everything is consistent. | As in comment. | Revised –  Rename it to “BSRP non-Trigger based (NTB) Trigger frame”. In 9.3.1.22.12 (BSRP Trigger frame format), we added more details on the BSRP NTB Trigger frame, in 11-25/637r4.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3636. |
| 3637 | Alfred Asterjadhi | 9.3.1.22.2 | 43.40 | Are these TBDs related to the presence or absence of the SR subfields? Please clarify and possibly remove the TBDs. | As in comment. | Revised –  Removed “TBD” to keep the UL Spatial Reuse field in the Common Info field and the EHT/UHR Spatial Reuse 1 and EHT/UHR Spatial Reuse 2 fields in the Special user info field.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3637. |
| 3638 | Alfred Asterjadhi | 9.3.1.22.2 | 44.09 | I think this need to be an "and". Please fix and remove red font. Make sure that "or" and "and" are used consistently across the draft. | As in comment. | Revised –  Agree to the comment. But this sentence is deleted in the resolution to CID 2897.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3638. |
| 3639 | Alfred Asterjadhi | 9.3.1.22.2 | 44.17 | Why is HE appearing in this "HE/UHR P160 subfield? I would expect thi is only for UHR. Same for EHT. Please fix these inconsistencies. | As in comment. | Revised –  In a UHR variant Common info field, remove “HE/” to change it to “UHR P160” because there is no case that it would be interpreted as HE. Made the same change for other “HE/UHR” fields. In an EHT variant Common info field, still keep “HE/EHT P160”.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3639. |
| 3640 | Alfred Asterjadhi | 9.3.1.22.2 | 44.33 | I am thinking this sentence is from 11be and should not be underlined. And if underlined please clarify why in 11bn. | As in comment. | Rejected –  This sentence was not in 11be spec. In 11be spec, B56-B62 was only described in NOTE1 after Figure 9-90b. This sentence was added in 11bn spec D0.1 to clarify what B56-B62 are in the EHT variant Common info field in this sentence and what these bits are in the UHR variant Common info field in the following paragraphs. |
| 3641 | Alfred Asterjadhi | 9.3.1.22.2 | 44.60 | I am guessing this field would also be present in other variants of the ICF, not only the UHR variant. If that is the case make sure it is aligned across the board. | As in comment. | Revised –  The IFCS may be present in HE, EHT and UHR variant Trigger frames.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3641. |
| 3642 | Alfred Asterjadhi | 9.3.1.22.2 | 45.01 | Period is missing. Add period. | As in comment. | Revised –  Agree to the comment. But this sentence is deleted in the resolution to CID 2897.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3642. |
| 3724 | Li-Hsiang Sun | 9.3.1.22.2 | 40.26 | TXS mode does not seem necessary for UHR variant common info. Use EHT variant should be sufficient | as in comment | Revised –  Agree to the comment. Removed occurrences.  TGbn editor to make the changes shown in 11-25/0633r1 under all headings that include CID 3724. |
| 3835 | Abhishek Patil | 9.3.1.22.2 | 41.16 | The description of UL Length and many other fields in this section is written with TB PPDU in mind. Per motion #46 and #121, an AP's ICF sent as part of the MAPC TXOP can solicit a non-TB response from another AP. | Please update this section to provide guidance on how to interpret the UL Length and other relevant fields when the solicited PPDU is non-TB |  |
| 3836 | Abhishek Patil | 9.3.1.22.2 | 44.33 | Although figure 9-90b3 shows bits B56-59 as DRU, it will be helpful to mention here that B56-B60 are not reserved for UHR [alternatively: "In the UHR variant , B56-B59 indicate DRU/RU Indication and B60 indicates IFCS Present Flag."] | As in comment | Rejected –  The paragraphs on the DRU/RRU Indication, IFCS Present Flag fields and B61-B62 would clarify what those bits are in the UHR variant Common info field. No need to add one sentence to say that certain bits are not reserved. |

**9.3.1.22.1 General**

***TGbn editor: Insert the following instruction to the end of 9.3.1.22.1 and move the first paragraph in 9.3.1.22.2 to the end of 9.3.1.22.1, and change the paragraphs below as follows [#552, 1196, 1986, 3272]:***

***TGbn editor: Insert the following paragraph to the end of 9.3.1.22.1 (General):***

A non-EHT non-AP HE STA interprets the Common Info field as an HE variant Common Info field. A non-AP non-UHR EHT STA*[#552,1196, 3272]* interprets the Common Info field as an HE variant Common Info field if B54 and B55 in the Common Info field are equal to 1; and interprets the Common Info field as an EHT variant Common Info field otherwise. A non-AP UHR STA interprets the Common Info field as an HE variant Common Info field if B54 and B55 in the Common Info field are equal to 1; and interprets the Common Info field as an EHT or UHR variant Common Info field according to the PHY Version Identifier subfield in the Special User Info field (see 9.3.1.22.1 (General)).A non-AP UHR STA interprets the Common Info field as an HE variant Common Info field if B54 and B55 in the Common Info field are equal to 1; and interprets the Common Info field as an EHT or UHR variant Common Info field according to the PHY Version Identifier subfield in the Special User Info field which is always present if B55 in the Common Info field is equal to 0*[#1986]*.

* **Common Info field**

*[#552,1196, 3272]*

***TGbn editor: Add the following paragraphs and figures [#3641]:***

The HE variant Common Info field is defined in [Figure 9-90a (HE variant Common Info field format)](#_bookmark62).

B0 B3 B4 B15 B16 B17 B18 B19 B20 B21 B22 B23 B25

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Trigger Type | UL  Length | More TF | CS  Required | UL BW | GI And HE-LTF  Type/TXS Mode | MU-MIMO HE-LTF  Mode | Number Of HE- LTF Symbols And Midamble Periodicity |

Bits: 4 12 1 1 2 2 1 3

B26 B27 B28 B33 B34 B35 B36 B37 B52 B53 B54 B62

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| UL STBC | LDPC  Extra Symbol Segment | AP Tx  Power | Pre-FEC  Padding Factor | PE  Disambiguity | UL Spatial Reuse | Doppler | UL HE- SIG-A2  Reserved |

Bits: 1 1 6 2 1 16 1 9

B63

Trigger Dependent Common Info

Reserved

Bits: 1 variable

**Figure 9-90a—HE variant Common Info field format**

The EHT variant Common Info field is defined in [Figure 9-90b (EHT variant Common Info field](#_bookmark63) [format)](#_bookmark63).

B0 B3 B4 B15 B16 B17 B18 B19 B20 B21 B22 B23 B25

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Trigger Type | UL  Length | More TF | CS  Required | UL BW | GI And HE/ EHT-LTF Type/ TXS Mode | Reserved | Number Of HE/ EHT-LTF  Symbols |

Bits: 4 12 1 1 2 2 1 3

B26 B27 B28 B33 B34 B35 B36 B37 B52 B53 B54

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Reserved | LDPC Extra Symbol Segment | AP Tx  Power | Pre-FEC  Padding Factor | PE  Disambiguity | UL Spatial Reuse | Reserved | HE/EHT P160 |

Bits: 1 1 6 2 1 16 1 1

B55 B56 B59 B60 B61 B62 B63

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Special User Info Field Flag | EHT Reserved | IFCS Absent Flag | EHT Reserved | Reserved | Trigger Dependent Common Info |

Bits: 1 4 1 2 1 variable

**Figure 9-90b—EHT variant Common Info field format*[#3641]***

NOTE 1—For backward compatibility with HE variant Common Info field, an EHT AP sets B22, B26, B53, and B63 to 0 and sets B56–B59 and B61-*[#3641]*B62 to 1 in the EHT variant Common Info field.

***TGbn editor: Change the paragraphs, figures and tables as follows [#11, 12, 13, 14, 15, 59, 60, 112, 281, 282, 365, 367, 407, 554, 555, 556, 614, 815, 1198, 1199, 1268, 1606, 1607, 1608, 1729, 2085, 2086, 2087, 2088, 2090, 2343, 2664, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2892, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 3162, 3163, 3285, 3287, 3475, 3477, 3636, 3637, 3638, 3639, 3641, 3642]:***

***Insert the following paragraphs and Figure 9-90b3 after the fourth paragraph (“****NOTE 1—****...")***

***[#11]***The UHR variant Common Info field is defined in Figure9-90b1 (UHR variant Common Info field format).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0     B3 | B4   B15 | B16 | B17 | B18 B19 | B20             B21 | B22 | B23              B25 |
|  | Trigger Type | UL Length | More TF | CS Required | UL BW | GI And *[#2343, 2889, 3639]*UHR-LTF Type/*[#3724]* | Reserved | Number Of *[#2343, 2889, 3639]*UHR-LTF Symbols |
| Bits: | 4 | 12 | 1 | 1 | 2 | 2 | 1 | 3 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B26 | B27 | B28    B33 | B34   B35 | B36 | B37     B52 | B53 | B54 |
|  | Reserved | LDPC Extra Symbol Segment | AP Tx Power | Pre-FEC Padding Factor | PE  Disambiguity | UL Spatial Reuse*[#1606, 3637]* | Reserved | UHR P160*[#2343, 2889, 3639]* |
| Bits: | 1 | 1 | 6 | 2 | 1 | 16 | 1 | 1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | B55 | B56    B59 | B60 | B61    B62 | B63 |  |
|  | Special User Info Field Flag | DRU/RRU Indication | IFCS Absent*[#2088]* Flag | UHR Reserved | Reserved | Trigger Dependent Common Info |
| Bits: | 1 | 4 | 1 | 2 | 1 | variable |
| * **UHR variant Common Info field format** | | | | | | |

NOTE 2— A*[#2085]* UHR AP sets B22, B26, B53, and B63 to 0 and sets B61 and *[#2884]*B62 to 1 in the UHR variant Common Info field.

***Change the paragraph that begins with “The HE variant Common Info field, the EHT variant …” as follows:***

The HE variant Common Info field, ~~and~~ the EHT variant Common Info field and the UHR variant Common Info field use the same encoding method for the Trigger Type, UL Length, More TF, CS Required, LDPC Extra Symbol Segment, AP TX Power, Pre-FEC Padding Factor, PE Disambiguity, and Trigger Dependent Common Info subfields.

***Change the paragraph that begins with “The UL Length subfield of …” as follows:***

The UL Length subfield of the Common Info field indicates the value of the L-SIG LENGTH field of the solicited TB PPDU. The UL Length subfield is set:

* As defined in 26.5.2.2.4 (Allowed settings of the Trigger frame fields and TRS Control subfield) if the solicited PPDU is an HE TB PPDU.
* As defined in 35.5.2.2.4 (Allowed settings of the Trigger frame fields and TRS Control subfield) if the solicited PPDU is an EHT TB PPDU.
* As defined in 37.3a.2.2.4*[#1607]* (Allowed settings of the Trigger frame fields and TRS Control subfield) if the solicited PPDU is a UHR TB PPDU.

***Change the paragraph that begins with “The CS Required [#1729]subfield of …” as follows:***

The CS Required subfield of the Common Info field is set to 1 to indicate that the STAs identified in the User Info fields are required to use ED to sense the medium and to consider the medium state and the NAV in determining whether or not to respond. The CS Required subfield is set to 0 to indicate that the STAs identified in the User Info fields are not required to consider the medium state or the NAV in determining whether or not to respond. See 26.5.2.3 (Non-AP STA behavior for UL MU operation), 26.5.2.5 (UL MU CS mechanism), 35.5.2.3 (Non-AP STA behavior for UL MU operation), ~~and~~ 35.5.2.4 (UL MU CS mechanism for EHT STAs), 37.3a.2.3*[#1607]* (Non-AP STA behavior for UL MU operation) and*[#3162]* 37.3a.2.4*[#1607]* (UL MU CS mechanism for UHR STAs) for details.

***Change the paragraph that begins with “The UL BW subfield of the EHT variant …” and three following paragraphs and a table as follows:***

The UL BW subfield of the EHT variant Common Info field along with the UL Bandwidth*[#2886]* Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the EHT TB PPDU. The*[#2885]* UL BW subfield of the UHR variant Common Info field along with the UL Bandwidth*[#2886]* Extension subfield of the Special User Info field indicates the bandwidth in the U-SIG field of the UHR TB PPDU. Their interpretation*[#2885]* ~~is~~ is defined in Table 9-46g (UL Bandwidth Extension subfield encoding).

NOTE ~~2~~3—80+80 MHz is not defined for an EHT TB PPDU (see 36.1 (Introduction)) or a UHR TB PPDU (see 38.1 (Introduction)).

If the Trigger Type subfield (B0–B3) indicates an MU-RTS Trigger frame, then B20–B21 of the HE ~~or~~or EHT*[#3724]* variant Common Info field is the TXS Mode subfield. Otherwise, B20–B21 of the HE variant Common Info field is the GI And HE-LTF Type subfield, ~~and~~ B20–B21 of the EHT variant Common Info field is the GI And HE/EHT-LTF Type subfield, and B20–B21 of the UHR variant Common Info field is the GI And *[#2343, 2889, 3639]*UHR-LTF Type subfield. The GI And HE-LTF Type subfield, *[#554, 2887]*GI And HE/EHT-LTF Type subfield or GI And *[#2343, 2889, 3639]*UHR-LTF Type subfield of the Common Info field indicates the GI and HE/EHT/UHR-LTF type of the HE ~~or~~, EHT or UHR TB PPDU response. The GI And HE-LTF Type subfield or GI And HE/EHT-LTF Type subfield is present in a Trigger frame that solicits a TB PPDU response and its encoding is defined in Table 9-46d (GI And HE/EHT-LTF Type subfield encoding)*[#1198]*.

The GI And *[#2343, 2889, 3639]*UHR-LTF Type subfield is present in the UHR variant Common Info field of a Trigger frame that solicits a TB PPDU, a non-HT PPDU or a non-HT duplicate PPDU*[#2086]* response and its encoding is defined*[#12, 407, 281, 1199, 2888, 3163, 3285]* in Table 9-90b2 (GI And *[#2343, 2889, 3639]*UHR LTF Type subfield encoding)*[#365]*. In a UHR variant Trigger Frame, if B56-B59 are not all 1s, the GI And UHR-LTF Type subfield shall be set to 2. *[#367]*The GI And UHR-LTF Type subfield is not be set to 3 in a Trigger frame that is not a BSRP Trigger frame. *[#815]* If the GI And *[#2343, 2889, 3639]*UHR-LTF Type subfield is set to 3 in an individually addressed BSRP Trigger frame, then it is a BSRP NTB Trigger frame and the PPDU sent in response to the BSRP NTB*[#3636]* Trigger frame is a non-HT (duplicate) PPDU that contains a Multi-STA BlockAck frame. Othewise,*[#2890]* the GI And *[#2343, 2889, 3639]*UHR-LTF Type subfield is less*[#59]* than 3 in a BSRP Trigger frame, and*[#2890]* the PPDU sent *[#2891]*in response to the BSRP Trigger frame uses the*[#60, 2892]* TB PPDU format.

|  |  |
| --- | --- |
| **Table 9-90b2 – *[#365]* GI And** *[#2343, 2889, 3639]***UHR-LTF Type*[#1268]* subfield encoding** | |
| **GI And** *[#2343, 2889, 3639]***UHR-LTF Type subfield value** | **Description** |
| 0 | 1´ *[#2343, 2889, 3639]*UHR-LTF + 1.6 µs GI |
| 1 | 2´ *[#2343, 2889, 3639]*UHR-LTF + 1.6 µs GI |
| 2 | 4´ *[#2343, 2889, 3639]*UHR-LTF + 3.2 µs GI |
| 3 | The responding PPDU format is non-HT (duplicate) PPDU format that contains a Multi-STA BlockAckThe responding PPDU format to a BSRP NTB Trigger frame*[#3475, 3636]* is non-HT (duplicate) PPDU format that contains a Multi-STA BlockAck |

The TXS Mode subfield in an HE ~~or~~,or EHT *[#3724]*variant Common Info field is *[#2895, 2896]*defined in 9.3.1.22.11 (MU-RTS Trigger frame format).

The MU-MIMO HE-LTF Mode subfield of the HE variant Common Info field indicates the HE-LTF mode for an HE TB PPDU that has an RU that spans the entire bandwidth and that is assigned to more than one non-AP STA (i.e., for UL MU-MIMO) when the GI And HE-LTF Type subfield of the HE variant Common Info field indicates either 2´ HE-LTF + 1.6 µs GI or 4´ HE-LTF + 3.2 µs GI, as defined in Table 9-46e (MU-MIMO HE-LTF Mode subfield encoding). Otherwise, this subfield is set to indicate HE single stream pilot HE-LTF mode. *[#2897]*

***Change the paragraph that begins with “In an HE variant Common Info field with the Doppler …” as follows:***

In an HE variant Common Info field with the Doppler subfield set to 0 or in an EHT or UHR variant Common Info field, the Number Of HE-LTF Symbols And Midamble Periodicity subfield of the HE variant Common Info field ~~or~~, the Number Of HE/EHT-LTF Symbols subfield of the EHT variant Common Info field or the Number Of *[#2343, 2889, 3639]*UHR-LTF Symbols subfield of the UHR variant Common Info field indicates the number of HE-LTF symbols present in the HE TB PPDU ~~or~~, EHT-LTF symbols present in the EHT TB PPDU, or UHR-LTF symbols present in the UHR TB PPDU, respectively, and is encoded as follows:

* 0 for 1 HE-LTF, EHT-LTF or UHR-LTF symbol
* 1 for 2 HE-LTF, EHT-LTF or UHR-LTF symbols
* 2 for 4 HE-LTF, EHT-LTF or UHR-LTF symbols
* 3 for 6 HE-LTF, EHT-LTF or UHR-LTF symbols
* 4 for 8 HE-LTF, EHT-LTF or UHR-LTF symbols*[#13, 555, 2898]*
* 5–7 is reserved

***Change the paragraph that begins with “B26 of the EHT …” and a following paragraph as follows:***

*[#2897]*

The LDPC Extra Symbol Segment subfield of the Common Info field indicates the status of the LDPC extra symbol segment. It is set to 1 if the LDPC extra symbol segment is present in the solicited HE ~~or~~, EHT or UHR TB PPDUs and set to 0 otherwise.

***Change the paragraph that begins with “The Pre-FEC Padding Factor...” and the following table as follows:***

The Pre-FEC Padding Factor and PE Disambiguity subfields are defined in Table9-46f (Pre-FEC Padding Factor and PE Disambiguity subfields) and have the same encoding as in their respective subfields in HE-SIG-A (see Table 27-21 (HE-SIG-A field of an HE MU PPDU)) ~~or~~, as in their respective subfields in EHT-SIG (see Table 36-33 (Common field for OFDMA transmission)), or as in their respective subfields in UHR-SIG (see Table 38-23 (Common field for OFDMA transmission)).

|  |  |  |
| --- | --- | --- |
| * **Pre-FEC Padding Factor and PE Disambiguity subfields** | | |
| **Subfield** | **Description** | **Encoding** |
| Pre-FEC Padding Factor | Indicates the pre-FEC padding factor | Set to 0 to indicate a pre-FEC padding factor of 4  Set to 1 to indicate a pre-FEC padding factor of 1  Set to 2 to indicate a pre-FEC padding factor of 2  Set to 3 to indicate a pre-FEC padding factor of 3 |
| PE Disambiguity | Indicates PE disambiguity | When an HE TB PPDU is solicited, set~~Set~~ to 1 if the condition in Equation (27-118) is met; otherwise, it is set to 0  When an EHT TB PPDU is solicited, set to 1 if the condition in Equation (36-94) is met; otherwise, set to 0  When a UHR TB PPDU is solicited, set to 1 if the condition of PE Disambiguity in a UHR TB PPDU as described in 38.3.17 (Packet extension) *[#1608, 3287]*is met; otherwise, set to 0 |

***Change the paragraph that begins with “When the Trigger frame solicits an EHT …” and four following paragraphs as follows:***

When the Trigger frame solicits an EHT or UHR*[#1606, 3637]* TB PPDU, each Spatial Reuse *n* subfield, , of the EHT or UHR*[#1606, 3637]* variant Common Info field is determined based on either the EHT/UHR*[#1606, 3637]* Spatial Reuse 1 subfield or the EHT/UHR*[#1606, 3637]* Spatial Reuse 2 subfield of the Special User Info field (see 9.3.1.22.3 (Special User Info field)) as described below.

When the Trigger frame solicits a 20 MHz EHT or UHR*[#1606, 3637]* TB PPDU, each Spatial Reuse *n* subfield, , of the Common Info field is set to the value of the EHT/UHR*[#1606, 3637]* Spatial Reuse 1 subfield of the Special User Info field.

When the Trigger frame solicits a 40 MHz EHT or UHR*[#1606, 3637]* TB PPDU, the Spatial Reuse 1 subfield and the Spatial Reuse 3 subfield of the Common Info field are set to the value of the EHT/UHR*[#1606, 3637]* Spatial Reuse 1 subfield of the Special User Info field and the Spatial Reuse 2 subfield and the Spatial Reuse 4 subfield of the Common Info field are set to the value of the EHT/UHR*[#1606, 3637]* Spatial Reuse 2 subfield of the Special User Info field.

When the Trigger frame solicits an 80 MHz EHT or UHR*[#1606, 3637]* TB PPDU or a 160 MHz EHT or UHR*[#1606, 3637]* TB PPDU, the Spatial Reuse 1 subfield and the Spatial Reuse 2 subfield of the Common Info field are set to the value of the EHT/UHR*[#1606, 3637]* Spatial Reuse 1 subfield of the Special User Info field and the Spatial Reuse 3 subfield and the Spatial Reuse 4 subfield of the Common Info field are set to the value of the EHT/UHR*[#1606, 3637]* Spatial Reuse 2 subfield of the Special User Info field.

When the Trigger frame solicits a 320 MHz EHT or UHR*[#1606, 3637]* TB PPDU, each Spatial Reuse *n* subfield, , of the Common Info field is set to the smaller of the values of the EHT/UHR*[#1606, 3637]* Spatial Reuse 1 subfield and the EHT/UHR*[#1606, 3637]* Spatial Reuse 2 subfield of the Special User Info field.

***Change the paragraph that begins with “B53 of the EHT …” as follows:***

*[#14, 2897, 3638]*

***Modify the paragraph that begins with “The UL HE-SIG-A2 …” as follows:[#3641]***

The UL HE-SIG-A2 Reserved subfield of the HE variant Common Info field carries the value to be included in the Reserved field in the HE-SIG-A2 subfield of the solicited HE TB PPDUs. A non-EHT HE AP sets the UL HE-SIG-A2 Reserved subfield of the HE variant Common Info field to all 1s. In an HE variant Common Info field, a UHR AP uses B60 as follows:

* The IFCS Absent Flag subfield is B60 of the HE variant Common Info field.*[#3641]*

***Change the paragraph that begins with “An HE/EHT P160 subfield …” and a following paragraph as follows:***

The*[#2899]* HE/EHT P160 subfield of the EHT variant Common Info field is set to 0 to indicate that the solicited TB PPDU in the primary 160 MHz is an EHT TB PPDU. The*[#2899]* *[#2343, 2889, 3639]*UHR P160 subfield of the UHR variant Common Info field is set to 0 to indicate that the solicited TB PPDU in the primary 160 MHz is a UHR TB PPDU. The*[#2899]* HE/EHT P160 subfield of the EHT variant Common Info field *[#2343, 2889, 3639]*is set to 1 to indicate that the solicited TB PPDU in the primary 160 MHz is an HE TB PPDU.

The Special User Info Field Flag subfield is always set to 0 in an EHT or UHR variant Common Info field, indicating that a Special User Info field is included in the Trigger frame that contains the EHT or UHR variant Common Info field.

***Insert the following paragraphs and figures [#3641]before the last paragraph that begins with “The Trigger Dependent Common Info subfield …”:***

*[#2883, 2897]*

The DRU/RRU Indication subfield of the UHR variant Common Info field *[#2087]*indicates,for each 80 MHz frequency subblock, whether distributed-tone*[#614]* RU (DRU) or regular RU (RRU) transmission is solicited*[#282]*. The format of the DRU/RRU Indication subfield is defined in Figure9-90c1 (DRU/RRU Indication subfield format). If the bandwidth for the UHR TB PPDU*[#2901]* is 20 MHz, 40 MHz or 80 MHz, then B1-B3 in the DRU/RRU Indication subfield are reserved and are set to all 1s. If the bandwidth for the UHR TB PPDU*[#2901]* is 160 MHz, then B2-B3 in the DRU/RRU Indication subfield are reserved and are set to all 1s*[#15]*. To solicit a UHR TB PPDU using DRU transmission in an 80 MHz frequency subblock within the bandwidth for the UHR TB PPDU*[#2902]*, the corresponding bit in the DRU/RRU Indication subfield is set to 0. Otherwise, it is set to 1.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B3 |
|  | DRU/RRU Indication for the lowest 80 MHz frequency subblock | DRU/RRU Indication for the second lowest 80 MHz frequency subblock | DRU/RRU Indication*[#112, 556, 2900, 3477]* for the second highest 80 MHz frequency subblock | DRU/RRU Indica-tion for the highest 80 MHz frequency subblock |
| Bits: | 1 | 1 | 1 | 1 |
| * **DRU/RRU Indication subfield format** | | | | |

The IFCS Absent*[#2088]* Flag subfield of the *[#3641]*Common Info field indicates whether the intermediate FCS (IFCS)*[#2664]* is present or not in the Trigger frame*[#2090]*.

* Set to 0 to indicate the IFCS is not absent, i.e., *[#2088]*present.
* Set to 1 to indicate the IFCS is absent, i.e., *[#2088]*not present.

Note: A non-UHR STA ignores the value of B60 in the Common Info field.*[#3641]*

*[#2883, 2897, 3642]*