IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | SIGA Comment Resolution | | | | | | Date: 2017-05-02 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Ron Porat | Broadcom |  |  | [Ron.porat@broadcom.com](mailto:Ron.porat@broadcom.com) | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for comments:

4889,6121,8923,8924,10046,4996,8910, 4912, 4913, 8919, 8921, 7242, 7243, 7679, 7829, 8903, 8904, 8905, 8906, 8911, 8913, 8915, 8916, 8917, 9551, 8926, 9177, 9178, 9179, 9769, 10211, 10212, 8918,

From the letter ballot of TGax D1.0.

**REVISION NOTES:**

**R0**:

initial

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 TGax Draft. This introduction is not part of the adopted material.

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

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

**CIDs, by group**

**CRC Value**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** |
| 4889 | Bin Tian | 282.51 | 28.3.10.7.3 | HE SIG-B user specifi code block may content one or two user information so the the value of L should be 20 or 41. | as in comment | Accepted modified |
| 6121 | Jian Yu | 282.51 | 28.3.10.7.3 | "L = 20" should be "L = 41 for the HE-SIG-B User Block field that contains information for two STAs, L=20 when the last User Block field contains information for one STA." | Modify as in comment | Accepted modified |
| 8923 | Sigurd Schelstraete | 282.50 | 28.3.10.7.3 | "x = N +∙ 8 when the Center 26-tone RU subfield is present, and x = N +∙ 8 - 1 otherwise" should be "x = N +∙ 8 + 1 when the Center 26-tone RU subfield is present, and x = N +∙ 8 otherwise". See Table 28-20. | See comment | Rejected |
| 8924 | Sigurd Schelstraete | 282.51 | 28.3.10.7.3 | "L = 20 for the HE-SIG-B user specific fields" should be "L = 21 or 42 for the HE-SIG-B user specific fields", since the CRC is calculated over two consecutive user specific fields, except for the last one. | See comment | Rejected |
| 10046 | yujin noh | 282.51 | 28.3.10.7.3 | value of L for the HE-SIG-B User block field should be different depending on assigned number of users which could be odd or even. | As in the comment. | Accepted modified |

**TGax Editor: *replace the following part of row 282.51***

“and *L* = 20 for the HE-SIG-B user specific fields”

***with***

“, *L* = 20 for a HE-SIG-B user specific block that contains information for one STA, *L* = 41 for a HE-SIG-B user specific block that contains information for two STA”

**End of proposed changes.**

**DCM/STBC**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** |
| 4996 | Brian Hart | 273.54 | 28.3.10.7.2 | DCM/STBC field descriptions are inconsistent with GI+LTF Size field | "Set to 1 to indicate that DCM is applied" but DCM=1 & STBC=1 means 4x HE-LTF from P274L36. Correct descriptions of DCM and STBC at P275L17 accounting forf this exceptional encoding | Accepted modified |
| 8910 | Sigurd Schelstraete | 274.34 | 28.3.10.7.2 | "Neither DCM nor STBC shall be applied when both the DCM and STBC are set to 1.". Add this clarification to the DCM and sTBC fields as well. | See comment | Accepted modified |

**TGax Editor: *add the following part to line 273.55***

Set to 1 to indicate that DCM is applied to the Data field. Neither DCM nor STBC shall be applied when both the DCM and STBC are set to 1.

**TGax Editor: *add the following part to line 275.17***

Set to 1 if space time block coding is used. Neither DCM nor STBC shall be applied when both the DCM and STBC are set to 1.

**End of proposed changes.**

**Spatial Reuse**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **P** | **L** | **Comment** | **Proposed Change** | **Resolution** |
| 4912 | 28.3.10.7.2 | 280 | 6 | NOTE 1 looks pretty darn normative to me | Rewrite ot avoid a note. Perhaps add a section elsewhere and a xref to it from here | Revised.  Accept in principle and Modify Table 28-18 to incorporate normative text. |
| 4913 | 28.3.10.7.2 | 281 | 27 | 40M .. other 2 fields indicate identical values ... is ambiguous. Assume we have ab for P40 and cd need ot be defined . Is c=a, d=b,? OR c=b, d=a, or what? | Define what is identical to what | Revised.  Accept in principle and modify Table 28-18 to clarify identical values. |
| 8919 | 28.3.10.7.2 | 279 | 4 | A 20 MHz PPDU only occupies one of the four 20 MHz subbands. Why do all four 20 MHz subbands have the same value? Shouldn't only the primary 20 do SR. The other subbands should be open for use anyway. | Clarify the requirements and NOTE 1 of Table 28-18 | Revised.  Accept in principle and modify Tabe 28-18 to open up other subbands for reuse. |
| 8921 | 28.3.10.7.2 | 282 | 29 | There is virtually no explanation or context on the SRP parameter or "Acceptable Receiver Interference level\_AP". Notation and statements on lines 29 to 40 are far too dense to be informative. | Either clarify or relegate feature to future amendment | Rejected.  Draft 1.2 incorporate explanation and context for SRP parameter in 27.9.3 SRP-based spatial reuse operation. |

**#CID8919**

Commenter states that a 20 MHz PPDU only occupies one of the four 20 MHz subbands and the other subbands should be open for use. Agree with commenter in principle. Note that the OBSS STA could detect the Bandwidth field bandwidth in the common information of the trigger frame and determine the un-used subbands. However, OBSS STA also needs to determine the primary channel. A proposed solution is to set the SRP parameter of the un-used subchannels to the highest level to facilitate spatial reuse.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * HE-SIG-A field of an HE TB PPDU | | | | |
| Two Parts of HE-SIG-A | Bit | Field | Number of bits | Description |
| HE-SIG-A1 | B0 | Format | 1 | Differentiate an HE SU PPDU from an HE TB PPDU:  Set to 0 for HE TB PPDU  Set to 1 for HE SU PPDU |
|  | B1-B6 | BSS Color | 6 | The BSS Color field is an identifier of the BSS |
|  | B7-B10 | Spatial Reuse 1 | 4 | Indicates whether or not spatial reuse is allowed in a subband of the PPDU during the transmission of this PPDU, and if allowed, indicates a value that is used to determine a limit on the transmit power of a spatial reuse transmission.(#5872, #5871, #10043, #10041)  If the Bandwidth field indicates 20 MHz, 40 MHz, or 80 MHz then this Spatial Reuse field applies to the first 20 MHz subband (see NOTE 1).  If the Bandwidth field indicates 160/80+80 MHz then this Spatial Reuse field applies to the first 40 MHz subband of the 160 MHz operating band (see NOTE 1).  Set to the value of the SPATIAL\_REUSE(1) parameter of the TXVECTOR, which contains a value from Table 28-19 (Spatial Reuse subfield encoding for an HE TB PPDU) for an HE TB PPDU, see 27.11.6 (SPATIAL\_REUSE).  Set to SR\_DISALLOW to prohibit SRP-based spatial reuse during this PPDU. For the interpretation of other values see 27.11.6 (SPATIAL\_REUSE) and 27.9 (Spatial reuse operation).(#10409, #8907, #10414) |
|  | B11-B14 | Spatial Reuse 2 | 4 | Indicates whether or not spatial reuse is allowed in a subband of the PPDU during the transmission of this PPDU, and if allowed, indicates a value that is used to determine a limit on the transmit power of a spatial reuse transmission.(#5872, #5871)  If the Bandwidth field indicates 20 MHz, 40 MHz, or 80 MHz:  This Spatial Reuse field applies to the second 20 MHz subband (see NOTE 1).  When the STA operating channel width is 20 MHz, then this field is set to ~~the same value as Spatial Reuse 1 field~~ value 14.  When the STA operating channel width is 40 MHz in the 2.4 GHz band, this field is set to the same value as Spatial Reuse 1 field.  If the Bandwidth field indicates 160/80+80 MHz the this Spatial Reuse field applies to the second 40 MHz subband of the 160 MHz operating band (see NOTE 1).  Set to the value of the SPATIAL\_REUSE(2) parameter of the TXVECTOR, which contains a value from Table 28-19 (Spatial Reuse subfield encoding for an HE TB PPDU) for an HE TB PPDU, see 27.11.6 (SPATIAL\_REUSE).  Set to SR\_DISALLOW to prohibit SRP-based spatial reuse during this PPDU. For the interpretation of other values see 27.11.6 (SPATIAL\_REUSE) and 27.9 (Spatial reuse operation).(#10415) |
|  | B15-B18 | Spatial Reuse 3 | 4 | Indicates whether or not spatial reuse is allowed in a subband of the PPDU during the transmission of this PPDU, and if allowed, indicates a value that is used to determine a limit on the transmit power of a spatial reuse transmission.(#5872, #5871)  If the Bandwidth field indicates 20 MHz, 40 MHz or 80 MHz:  This Spatial Reuse field applies to the third 20 MHz subband (see NOTE 1).  When the STA operating channel width is(#Ed) 20 MHz or 40 MHz, this field is set to ~~the same value as Spatial Reuse 1 field~~ value 14.  If the Bandwidth field indicates 160/80+80 MHz:  This Spatial Reuse field applies to the third 40 MHz subband of the 160 MHz operating band (see NOTE 1).  When the STA operating channel width is 80+80 MHz, this field is set to the same value as Spatial Reuse 1 field.  Set to the value of the SPATIAL\_REUSE(3) parameter of the TXVECTOR, which contains a value from Table 28-19 (Spatial Reuse subfield encoding for an HE TB PPDU) for an HE TB PPDU, see 27.11.6 (SPATIAL\_REUSE).  Set to SR\_DISALLOW to prohibit SRP-based spatial reuse during this PPDU. For the interpretation of other values see 27.11.6 (SPATIAL\_REUSE) and 27.9 (Spatial reuse operation). |
|  | B19-B22 | Spatial Reuse 4 | 4 | Indicates whether or not spatial reuse is allowed in a subband of the PPDU during the transmission of this PPDU, and if allowed, indicates a value that is used to determine a limit on the transmit power of a spatial reuse transmission.(#5872, #5871)  If the Bandwidth field indicates 20 MHz, 40 MHz or 80 MHz:  This Spatial Reuse field applies to the fourth 20 MHz subband (see NOTE 1).  When the STA operating channel width is 20 MHz, 40 MHz or 80MHz, then this field is set to ~~the same value as Spatial Reuse 1 field~~ value 14.  When the STA operating channel width is 40 MHz, then this field is set to the same value as Spatial Reuse 2 field.  If the Bandwidth field indicates 160/80+80 MHz:  This Spatial Reuse field applies to the fourth 40 MHz subband of the 160 MHz operating band (see NOTE 1).  When the STA operating channel width is 80+80 MHz, then this field is set to same value as Spatial Reuse 2 field.  Set to the value of the SPATIAL\_REUSE(4) parameter of the TXVECTOR, which contains a value from Table 28-19 (Spatial Reuse subfield encoding for an HE TB PPDU) for an HE TB PPDU, see 27.11.6 (SPATIAL\_REUSE).  Set to SR\_DISALLOW to prohibit SRP-based spatial reuse during this PPDU. For the interpretation of other values see 27.11.6 (SPATIAL\_REUSE) and 27.9 (Spatial reuse operation). |
|  | B23 | Reserved | 1 | Reserved and set to 1.  NOTE—Unlike other Reserved fields in HE-SIG-A of the HE TB PPDU, B23 does not have a corresponding bit in the Trigger frame. |
|  | B24-B25 | Bandwidth | 2 | For HE TB PPDU:  Set to 0 for 20 MHz  Set to 1 for 40 MHz  Set to 2 for 80 MHz  Set to 3 for 160 MHz and 80+80 MHz |
| HE-SIG-A2 | B0-B6 | TXOP(#8774) | 7 | Set to 127 to indicate no duration information when TXVECTOR parameter TXOP\_DURATION is set to UNSPECIFIED.  Set to a value less than 127 to indicate duration information for NAV setting and protection of the TXOP as follows:(#8774, #9143)  If TXVECTOR parameter TXOP\_DURATION is less than 512, then B0 is set to 0 and B1-B6 is set to floor(TXOP\_DURATION/8) where B1 is the LSB.  Otherwise, B0 is set to 1 and B1-B6 is set to floor ((TXOP\_DURATION  512 ) / 128) where B1 is the LSB.  Where  B0 indicates the TXOP length granularity. Set to 0 for 8 µs; otherwise set to 1 for 128 µs.  B1-B6 indicates the scaled value of the TXOP\_DURATION(#8774) |
|  | B7-B15 | Reserved | 9 | Reserved and set to value indicated in the Trigger frame |
|  | B16-B19 | CRC | 4 | CRC of bits 0-41 of the HE-SIG-A field. See 28.3.10.7.3 (CRC computation). |
|  | B20-B25 | Tail | 6 | Used to terminate the trellis of the convolutional decoder.  Set to 0. |
| NOTE 1—  ~~The four Spatial Reuse fields, 1, 2, 3, and 4, are arranged in increasing order of frequency and correspond to:~~  ~~For 20 MHz one Spatial Reuse field corresponding to the entire 20 MHz (other 3 fields indicate identical values)~~  ~~For 40 MHz two Spatial Reuse fields for each 20 MHz sub-band (other 2 fields indicate identical values)~~  ~~For 80 MHz four Spatial Reuse fields for each 20 MHz sub-band~~  For an OFDMA transmission of a given BW, each of the Spatial Reuse fields that corresponds to a 20 MHz sub-band is also applicable to the 242-tone RU which is most closely aligned in frequency (in the tone-plan of that BW) with the aforementioned 20 MHz sub-band. The correspondence from an Spatial Reuse field to a 242-tone RU also holds for any RU within the 242-tone RU. The above also implies that a 20 MHz OBSS STA uses the Spatial Reuse field corresponding to its 20 MHz channel, a 40 MHz OBSS STA located on the lower frequency half of the 80 MHz BSS uses Spatial Reuse 1 field, Spatial Reuse 2 field values and a 40 MHz OBSS STA located on the upper frequency half of the 80 MHz BSS uses Spatial Reuse 3 field, Spatial Reuse 4 field values   * ~~For 160 MHz and 80+80 MHz four Spatial Reuse fields for each 40 MHz sub-band~~   —For an OFDMA transmission of a given BW, each of the Spatial Reuse fields that corresponds to a 40 MHz sub-band is also applicable to the 484-tone RU which is most closely aligned in frequency (in the tone-plan of that BW) with the aforementioned 40 MHz sub-band. The correspondence from an Spatial Reuse field to a 484-tone RU also holds for any RU within the 484-tone RU.  NOTE 2—Integer fields are transmitted in unsigned binary format, LSB first, where the LSB is in the lowest numbered bit position. | | | | |

Table 28-18 (Spatial Reuse subfield encoding for an HE SU PPDU, HE ER SU PPDU, and HE MU PPDU) defines the encoding for the Spatial Reuse subfield for an HE SU PPDU, HE ER SU PPDU, and HE MU PPDU.

|  |  |
| --- | --- |
| * Spatial Reuse subfield encoding for an HE SU PPDU, HE ER SU PPDU, and HE MU PPDU | |
| **Value** | **Meaning** |
| 0 | SR\_DISALLOW(#5259, #10043) |
| 1-13 | Reserved(#5872, #5871, #10306, #8920) |
| 14 | SR\_RESTRICTED(#8069, #8118, #5261) |
| 15 | SR\_DELAY(#8069, #8118, #5260) |

Table 28-19 (Spatial Reuse subfield encoding for an HE TB PPDU) defines the encoding for the Spatial Reuse 1, Spatial Reuse 2, Spatial Reuse 3 and Spatial Reuse 4 subfields for an HE TB PPDU

|  |  |
| --- | --- |
| * Spatial Reuse subfield encoding for an HE TB PPDU | |
| **Value** | **Meaning** |
| 0 | SR\_DISALLOW |
| 1 | SRP = 80 dBm |
| 2 | SRP = 74 dBm |
| 3 | SRP = 68 dBm |
| 4 | SRP = 62 dBm |
| 5 | SRP = 56 dBm |
| 6 | SRP = 50 dBm |
| 7 | SRP = 47 dBm |
| 8 | SRP = 44 dBm |
| 9 | SRP = 41 dBm |
| 10 | SRP = 38 dBm |
| 11 | SRP = 35 dBm |
| 12 | SRP = 32 dBm |
| 13 | SRP = 29 dBm |
| 14 | SRP  26 dBm |
| 15 | Reserved |

**Misc**

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| **CID** | **Commenter** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** |
| 7242 | KE YAO | 273.48 | 28.3.10.7.2 | rename right 106-tone RU to high 106-tone RU | refer to comment | Accepted modified  rename right 106-tone RU to high frequency 106-tone RU |
| 7243 | KE YAO | 274.26 | 28.3.10.7.2 | rename right 106-tone RU to high 106-tone RU | refer to comment | Accepted modified  rename right 106-tone RU to high frequency 106-tone RU |
| 7679 | Lochan Verma | 274.17 | 28.3.10.7 | Specify that values 2-3 are reserved (Table 281-16) | For an HE extended range SU PPDU "Values 2 and 3 are reserved" | Accepted modified  Add "Values 2 and 3 are reserved" at the end of the Description for the Bandwidth field at 274.27 |
| 7829 | Mark Hamilton | 273.11 | 28.3.10.7.2 | Why list the bits explicitly, and also the "Number of bits" column? | Delete the Number of bits column from Table 28-16. Same thing for Tables 28-17, 28-18, 28-22, and 28-23. | Rejected. Similar description as in 11ac. Adds clarity. |
| 8903 | Sigurd Schelstraete | 273.23 | 28.3.10.7.2 | Change "Set to 1 indicates" to "Set to 1 to indicate" | See comment | Accepted |
| 8904 | Sigurd Schelstraete | 273.23 | 28.3.10.7.2 | "pre-HE-STF portion" is not terminology used before. | Change to "pre-HE modulated fields" | Accepted |
| 8905 | Sigurd Schelstraete | 273.25 | 28.3.10.7.2 | Change "Set to 0 indicates" to "Set to 0 to indicate" | See comment | Accepted |
| 8906 | Sigurd Schelstraete | 273.33 | 28.3.10.7.2 | "This fields indicates"should be a requirement | Change to "This field shall be set to DL for ..." | Accepted |
| 8911 | Sigurd Schelstraete | 275.08 | 28.3.10.7.2 | Replace "extra OFDM Symbol" with "extra OFDM Symbol Segment" (3 occurences in third column) | See comment | Accepted |
| 8913 | Sigurd Schelstraete | 276.16 | 28.3.10.7.2 | "This fields indicates"should be a requirement | Change to "This field shall be set to DL for ..." | Accepted modified.  Change Description to:  Set to 0 for DL, TDLS, Mesh and IBSS  Set to 1 for UL  NOTE—The TDLS peer can identify the TDLS frame by To DS and From DS fields in the MAC header of the MPDU. |
| 8915 | Sigurd Schelstraete | 277.04 | 28.3.10.7.2 | Replace "full" with "contiguous" (4 occurences in third column) | See comment | Accepted modified  Remove the word full. |
| 8916 | Sigurd Schelstraete | 277.59 | 28.3.10.7.2 | Replace "extra OFDM Symbol" with "extra OFDM Symbol Segment" (1 occurences in first column and 1 in third column) | See comment | Accepted |
| 8917 | Sigurd Schelstraete | 277.59 | 28.3.10.7.2 | "extra OFDM Symbol" does not explain how value should be set. | Add:"Set to 1 if an extra OFDM symbol segment for LDPC is present Set to 0 if an extra OFDM symbol segment for LDPC is present" | Accepted modified  Add:"Set to 1 if an extra OFDM symbol segment for LDPC is present Set to 0 otherwise |
| 9551 | Yasuhiko Inoue | 275.08 | 28.3.10.7.2 | Table 28-16 B8 of HE-SIG-A2 (HE SU PPDU) or HE-SIG-A3 (HE extended range SU PPDU):  "Indicates the presence of the extra OFDM symbol for LDPC.  Set to 1 if an extra OFDM symbol for LDPC is present  Set to 0 if an extra OFDM symbol for LDPC is present ..."  Value 1 or 0 should indicate that an extra OFDM symbol for LDPC is not present. | As in the comment. | Accepted modified  See resolution to comment 8917 |
| 8926 | Sigurd Schelstraete | 283.12 | 28.3.10.7.3 | "the output is stopped at c4" is potentially confusing. Line 8 already makes it clear which bits are needed. | Remove "the output is stopped at c4" | Accepted modified  Remove " where the serial input are from *mL* to *m0*, the output is stopped at c4" |
| 9177 | SUNGEUN LEE | 273.23 | 28.3.10.7.2 | HE-LTF1 is not clearly defined in the specification, so detailed description for the first symbol of HE-LTF is required to be added | Change HE-LTF1 into the first symbol of HE-LTF | Accepted modified  Replace HE-LTF1 with the first symbol of HE-LTF.    Editor: make the same replacement in the description of BEAM\_CHANGE in Table 28-1 |
| 9178 | SUNGEUN LEE | 273.25 | 28.3.10.7.2 | HE-LTF1 is not clearly defined in the specification, so detailed description for the first symbol of HE-LTF is required to be added | Change HE-LTF1 into the first symbol of HE-LTF | Accepted modified  Replace HE-LTF1 with the first symbol of HE-LTF. |
| 9179 | SUNGEUN LEE | 273.46 | 28.3.10.7.2 | It would be required to clarify what P20 is (primary 20MHz) and to be consistent further with Eq (28-18) and (28-19) in P802.11ax D1.0 for P20 | Clarify P20 description in MCS field of HE SU and HE extended range PPDU Table | Accepted modified  Remove “in P20” |
| 9769 | Youhan Kim | 274.33 | 28.3.10.7.2 | 4xLTF+0.8 for HE\_EXT\_SU as well?  THe capability bit is for HE\_SU only, not for HE\_MU or HE\_EXT\_SU  But HE\_SIG\_A change is for HE\_EXT\_SU as well (also for HE\_MU)  The HE PHY Capabilities Information field (P86L24) defines 4x HE-LTF and 0.8 usec GI only for HE SU PPDUs, not HE extended range SU. | Change at P274L33 "a 4x HE-LTF and 0.8 us GI" to "if HE extended SU PPDU format, a 4x HE-LTF and 0.8 us GI" | Rejected  It doesn’t practically make sense to artificially linit 4xLTF+0.8 to HE SU and not HE\_EST\_SU since the implementation is identical |
| 10211 | Yusuke Asai | 275.36 | 28.3.10.7.2 | "bits 0 to 41 of the HE-SIG-A field" should be "bits 0-25 of HE-SIG-A1 and bits 0-15 of HE-SIG-A2" Ditto in P278L18, P281L15 and P282L48. | As in comment. | Accepted modified  Editor: Please add the following sentence in the four places mentioned in the comment: (bits 0 to 41 of the HE-SIG-A field correspond to bits 0-25 of HE-SIG-A1 followed by bits 0-15 of HE-SIG-A2) |
| 10212 | Yusuke Asai | 277.16 | 28.3.10.7.2 | As well as other values, the case for value of 7 should be defined as which channel is punctured. Current definition is not clear whether secondary 40 MHz in the primary 80 MHz exists or not. | Change "the primary 40 MHz is present." to "only the secondary 40 MHz is punctured." | Rejected.  This sentence is specifically crafted like that to include ANY combination of punctured 20MHz in the secondary 40MHz |
| 8918 | Sigurd Schelstraete | 278.08 | 28.3.10.7.2 | Add definition of MU-MIMO RU's to definition section (see third column) | See comment | Accepted modified.  STBC is not applied in ~~MU-MIMO~~ RUs that are used for MU-MIMO allocation. |
| 5262 | Dorothy Stanley | 278.30 | 28.3.10.7.2 | Regarding, "When the Bandwidth field is set to 5 or 7, the HE-SIG-B field may indicate which 20 MHz sub-channel(s) in the preamble of secondary 40 MHz channel are punctured by its RU allocation signaling; when the Bandwidth field is set to 6 or 7, the HE-SIG-B field may indicate which 20 MHz sub-channel(s) in the preamble of secondary 80 MHz channel are punctured by its RU allocation signaling." if the HE-SIG-B does not indicate which 20 MHz sub-channel is punctured then how is it determined? In other words, it seems like the "may" needs to be a shall. | as in comment | Rejected  HE-SIGB only indicates payload allocations and not preamble.  Editor: delete this paragraph:  ~~When the Bandwidth field is set to 5 or 7, the HE-SIG-B field may indicate which 20 MHz sub-channel(s) in the preamble of secondary 40 MHz channel are punctured by its RU allocation signaling; when the Bandwidth field is set to 6 or 7, the HE-SIG-B field may indicate which 20 MHz sub-channel(s) in the preamble of secondary 80 MHz channel are punctured by its RU allocation signaling. See 28.3.10.8 (HE-SIG-B) for the RU allocation signaling~~ |