IEEE P802.11
Wireless LANs

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| Resolution of TXVECTOR comments of LB234 |
| Date: 2018-10-25 |
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|  |  |  |  |  |

Abstract

This document proposes resolutions to CID 3103, 3106, 3107, 3111, 3114, 3115, 3116, 3117, 3197, 3274, 3368, 3695, 3696, 3697, 3698, 3699, 3701, 3702, and 3703.

Resolutions are based on TGay D2.0.

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3103 | 29.2.2 | Table 43: Condition DCM\_BPSK should be NUM\_SS instead of NUM\_STS based on Tx block diagrams | Replace "NUM\_STS is 2" with "NUM\_SS is 2" for both SC and OFDM modes |

Proposed resolution: Revised.

Discussion:

Agree with the commenter that number of spatial streams ($N\_{SS}$) is required to be two for DCM BPSK. However, it is equivalent to say that NUM\_STS = 2 and STBC = 0 as this equals to $N\_{SS}=2$.

I propose to revise this comment because a TXVECTOR parameter for $N\_{SS}$ does not exist, introduction of a $N\_{SS}$ TXVECTOR parameter does not provide any benefit. Instead, I would propose to add additional text to the value column that clarifies relation between NSS and NSTS when DCM BPSK is applied.

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| --- | --- | --- | --- | --- |
| DCM\_BPSK | FORMAT is EDMG, EDMG\_MODULATION is EDMG\_SC\_MODE, CH\_BANDWIDTH is CBW216+216 or CBW432+432, STBC is 0, NUM\_STS is 2  | Indicates whether DCM BPSK modulation is applied.Enumerated type:DCM\_BPSK\_Not\_Applied: indicates that DCM π/2-BPSK is not applied.DCM\_BPSK\_Applied: indicates that DCM π/2-BPSK is applied and that NSS=NSTS=2 | Y | Y |
| FORMAT is EDMG, EDMG\_MODULATION is EDMG\_OFDM\_MODE, STBC is 0, NUM\_STS is 2  | Enumerated type:DCM\_BPSK\_Not\_Applied: indicates that Dual Stream DCM BPSK is not applied.DCM\_BPSK\_Applied: indicates that Dual Stream DCM BPSK is applied and that NSS=NSTS=2 | Y | Y |

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| CID | Clause | Comment | Proposed Change |
| 3106 | 29.2.2 | Table 43: NUM\_STS, there is a Condition that has been included in the Value and that should not happen | Break NUM\_STS into two cases, one with STBC = 0 add in Condition with Value including all text, except last line; and one with STBC = 1, add in Condition with Value including only last line |

Proposed resolution: Revised.

Discussion:

Agree with the commenter, but we need a more detailed description for the second condition when STBC equals 1.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P344, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUM\_STS | FORMAT is EDMG, STBC is 0 | Indicates the number of space-time streams.Value is an integer in the range 1 to 8 for an SU PPDU. For an MU PPDU, values are integers in the range 1 to 2 per user in the TXVECTOR, and 0 to 2 per user in the RXVECTOR.The sum of NUM\_STS over all users is in the range of 1 to 8. | MU | Y |
| FORMAT is EDMG, STBC is 1 | Indicates the number of space-time streams. The value of this parameter shall be an even number.Value is an even integer in the range 2 to 8 for an SU PPDU. For an MU PPDU, the value is 2 for each user in the TXVECTOR, and 0 or 2 for each user in the RXVECTOR.The sum of NUM\_STS over all users is in the range of 1 to 8. | MU | Y |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3107 | 29.2.2 | Table 43: NUM\_USERS, there is a Condition that has been included in the Value and that should not happen | Break NUM\_USERS into two cases, add NUM\_STS = 1 with Value = "Integer: range 1 to 8"; add NUM\_STS = 2 with Value = "Integer: range 1 to 4" |

Proposed resolution: Revised.

Discussion:

Agree with the commenter, but it is difficult to define a condition on NUM\_STS for the NUM\_USERS parameter as NUM\_STS can take values from 1 up to 8. Therefore, we would need at least eight different entries. Additionally, we would need differentiation between SU (NUM\_USERS=1) and MU (NUM\_USERS=1…8) and STBC in MU. Moreover, the setting of STBC in MU is user-specific, e.g. if one users applies STBC, the valid range for NUM\_USERS parameter is 1…7.

Note that, the current text is not correct because it assumes same setting for all users in MU.

Therefore, I would propose to keep it simple and revise the description text.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P344, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUM\_USERS | FORMAT is EDMG | Indicates the number of users with nonzero space-time streams. Integer: range 1 to 8. Range restrictions apply for SU PPDU or MU PPDU if at least one user employs STBC. | Y | N |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3111 | 29.2.2 | Table 43: CH\_BANDWIDTH, CBW216 is missing for case when FORMAT is NON\_EDMG | Add CBW216 before CBW432 |

Proposed resolution: Accept.

Discussion:

It is needed for DMG or >1 spatial streams for example.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P348, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CH\_BANDWIDTH  | FORMAT is EDMG | In the TXVECTOR, indicates the set of channels on which the PPDU is transmitted and the value of BW field in EDMG Header-A. In the RXVECTOR, indicates the value of the BW field in the EDMG Header-A of a received PPDU. Enumerated type: Bitmap defined as the BW field specified in Table 53. Together with the CHANNEL\_AGGREGATION parameter, this bitmap represents: CBW216 for 2.16 GHz CBW432 for 4.32 GHz CBW648 for 6.48 GHz CBW864 for 8.64 GHz CBW216+216 for 2.16+2.16 GHz CBW432+432 for 4.32+4.32 GHz  | Y | Y |
| FORMAT is NON\_EDMG  | In the TXVECTOR, indicates the set of channels on which the PPDU is transmitted. In the RXVECTOR, indicates the estimated set of channels on which PPDU was received. Enumerated type: Bitmap defined as the BW field specified in Table 53. Together with the CHANNEL\_AGGREGATION parameter, this bitmap represents: CBW216, CBW432, CBW648, CBW864, CBW216+216, or CBW432+432  | Y | Y |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3114 | 29.2.2 | Table 43: "TX\_SECTOR\_CONFIG\_INDEX", Value is missing range | Add to end of Value: "Valid range is 0-63" |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P352, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TX\_SECTOR\_CONFIG\_INDEX  | SCRAMBLER\_INIT\_SETTING is CONTROL\_TRAILER  | An integer identifying the TX sector combination index. Valid range is 0 to 63. | Y | Y |

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| CID | Clause | Comment | Proposed Change |
| 3115 | 29.2.2 | Table 43: "EDMG\_GROUP\_ID", Value is missing range | Add to end of Value: "Valid range is 0-255" |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P352, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| EDMG\_GROUP\_ID  | MU\_MIMO\_NEXT is NextMUMIMO  | Indicates the identification of the MU-MIMO group of STAs that will be involved in the following MU-MIMO transmission.Valid range is 0 to 255.  | Y | Y |

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| CID | Clause | Comment | Proposed Change |
| 3116 | 29.2.2 | Table 43: "MU\_MIMO\_TX\_CONFIG\_INDEX", Value is missing range | Add to end of Value: "Valid range is 0-7" |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P353, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| MU\_MIMO\_TX\_CONFIG\_INDEX  | MU\_MIMO\_NEXT is NextMUMIMO  | An integer identifying the MU-MIMO configuration.Valid range is 0 to 7. | Y | Y |

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| CID | Clause | Comment | Proposed Change |
| 3117 | 29.2.2 | Table 43: "NUM\_SECTORS\_MSB", Value is missing range | Add to Value: "Valid range is 0-15" after first sentence |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P353, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUM\_SECTORS\_MSB  | SCRAMBLER\_INIT\_SETTING is CONTROL\_TRAILER  | Indicates the value of the Total Number of Sectors MSB field in the control trailer of a Grant or Grant Ack frame. Valid range is 0 to 15. The parameter is valid only when the CT\_TYPE is GRANT\_RTS\_CTS2self  | Y | Y |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3197 | 29.2.2 | RX\_TRN\_PER\_TX\_TRN - in the value column "M" is used while not defined | replace "M" with "EDMG\_TRN\_M" |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P345, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| RX\_TRN\_PER\_TX\_TRN  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is TRN-R/T-PACKET  | Indicates the number of consecutive TRN-Units in which the same AWV is used in the transmission of the last EDMG\_TRN\_M TRN subfields of each TRN-Unit. Values are in the range 0–255. The parameter is valid only when EDMG\_TRN\_LEN is greater than 0.  | Y | Y |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3274 | 29.2.2 | in the table EDMG\_Packet\_Type is defined to take the values EDMG\_TRN\_R ... however further in the table packet type is referred to as TRN\_R. Would be better to write consistently thoughout the table. | change TRN-R to EDMG-TRN-R and TRN-T to EDMG-TRN-T packet wherever required. |

Proposed resolution: Revised.

Discussion: The commenter identifies the following issue

- EDMG-TRN-R-PACKET is not same as TRN-R-PACKET

- EDMG-TRN-T-PACKET is not same as TRN-T-PACKET

- TRN-R/T-PACKET does not exist

Propose to change this in Table 43 and in the rest of the draft where it is obviously wrong.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P345, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| EDMG\_PACKET\_TYPE  | FORMAT is EDMG, EDMG\_TRN\_LEN > 0  | Enumerated Type: - EDMG-TRN-R-PACKET indicates either a packet whose data field is followed by one or more TRN subfields, all of which are transmitted with the same AWV, or a packet that is requesting TRN subfields to be appended to a future response packet, all of which will be transmitted with the same AWV. - EDMG-TRN-T-PACKET indicates a packet whose data field is followed by a TRN field. As defined in 29.9.2.2, the transmitter may change the AWV at the beginning of each set of N TRN subfields present in the last M TRN subfields of each TRN-Unit in the TRN field. - EDMG-TRN-R/T-PACKET indicates a packet whose data field is followed by one or more TRN subfields. The transmitter sends a number of consecutive TRN-Units in which the same AWV is used in the transmission of the last *M* TRN subfields of each TRN-Unit.  | Y | Y |
| EDMG\_TRN\_LEN  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET, EDMG-TRN-R-PACKET or EDMG-TRN-R/T-PACKET  | Indicates the number of TRN-Units in the TRN field of a PPDU or, as defined in 10.43.7, a requested number of TRN-Units for receive beam tracking. Values are in the range 0–255 (see 29.9.2.2.5).  | Y | Y |
| RX\_TRN\_PER\_TX\_TRN  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-R/T-PACKET  | Indicates the number of consecutive TRN-Units in which the same AWV is used in the transmission of the last *M* TRN subfields of each TRN-Unit. Values are in the range 0–255. The parameter is valid only when EDMG\_TRN\_LEN is greater than 0.  | Y | Y |
| EDMG\_TRN\_P  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET or EDMG-TRN-R/T-PACKET  | Indicates the number of TRN subfields at the beginning of a TRN-Unit which are transmitted with the same AWV. Values are in the range 0 to 3.  | Y | Y |
| EDMG\_TRN\_M  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET or EDMG-TRN-R/T-PACKET  | If EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET or EDMG-TRN-R/T-PACKET, indicates the number of TRN subfields in a TRN-Unit that may be used for transmit training, as defined in 29.9.2.2. Values are in the range 0 to 15. The parameter is reserved if TRN-LEN is 0. The parameter is reserved if EDMG\_PACKET\_TYPE is EDMG-TRN-R-PACKET.  | Y | Y |
| EDMG\_TRN\_N  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET  | Indicates the number of consecutive TRN subfields within the EDMG TRN-Unit M of a TRN-Unit which are transmitted using the same AWV. Values are in the range 0 to 3.  | Y | Y |
| TRN\_RX\_PATTERN  | FORMAT is EDMG, EDMG\_PACKET\_TYPE is EDMG-TRN-T-PACKET or EDMG-TRN-R/T-PACKET  | Indicates the receive antenna pattern to be used when measuring TRN-Units present in a received PPDU. Enumerated type: QUASI\_OMNI: Indicates that quasi-omni AWV should be used DIRECTIONAL: Indicates that directed AWV should be used.  | Y | Y |

*TGay Editor: Please modify P244, L29 to 38 as follows*

If BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is Beam Tracking Not Requested, EDMG\_BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is Beam Tracking Requested, EDMG\_BEAM\_TRACKING\_TYPE parameter in the RXVECTOR is Baseband Beam Tracking, and and EDMG\_PACKET\_TYPE parameter in the RXVECTOR is EDMG-TRN-R-PACKET, follow the rules described in 29.9.2.2 and shall include TRN-R subfields to the following packet transmitted to the initiator in the same allocation, with an MCS index greater than 0. The following packet from the responder to the initiator shall have the value of the TXVECTOR parameter EDMG\_PACKET\_TYPE equal to EDMG-TRN-R-PACKET and the value of the TXVECTOR parameter EDMG\_TRN\_LEN equal to the value of the EDMG\_TRN\_LEN parameter in the RXVECTOR of the packet from the initiator.

*TGay Editor: Please modify P245, L24 to 28 as follows*

Set the EDMG\_BEAM\_TRACKING\_REQUEST parameter in the TXVECTOR to Beam Tracking Requested, EDMG\_BEAM\_TRACKING\_TYPE to Analog Beam Tracking or Baseband Beam Tracking, BEAM\_TRACKING\_REQUEST to Beam Tracking Not Requested, EDMG\_PACKET\_TYPE to EDMG-TRN-T-PACKET, and EDMG\_TRN\_LEN, EDMG\_TRN\_P, EDMG\_TRN\_M and EDMG\_TRN\_N as described in 29.9.2.2, and append TRN-T subfields to the packet.

*TGay Editor: Please modify P245, L43 to 48 as follows*

The BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is Beam Tracking Not Requested, EDMG\_BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is Beam Tracking Requested, EDMG\_BEAM\_TRACKING\_TYPE in the RXVECTOR is Analog Beam Tracking, and EDMG\_PACKET\_TYPE is equal to EDMG-TRN-T-PACKET, the responder shall respond with all subfields of the FBCK-TYPE field equal to 0 and set the BS-FBCK field to the AWV feedback ID corresponding to TRN subfields received with best quality.

*TGay Editor: Please modify P246, L11 to 35 as follows*

A beam tracking initiator may request a beam tracking responder that the responder perform receive beam tracking by setting the TXVECTOR parameter EDMG\_BEAM\_TRACKING\_REQUEST to Beam Tracking Not Requested, EDMG\_BEAM\_TRACKING\_TYPE to Analog Beam Tracking, BEAM\_TRACKING\_REQUEST to Beam Tracking Not Requested, EDMG\_PACKET\_TYPE to EDMG-TRN-R-PACKET, EDMG\_TRN\_LEN to a nonzero value, and appending TRN-R subfields to the packet.

A beam tracking responder that receives a packet with RXVECTOR parameter EDMG\_BEAM\_TRACKING\_REQUEST equal to Beam Tracking Not Requested, EDMG\_BEAM\_TRACKING\_TYPE to Analog Beam Tracking, BEAM\_TRACKING\_REQUEST equal to Beam Tracking Not Requested, EDMG\_PACKET\_TYPE equal to EDMG-TRN-R-PACKET, and EDMG\_TRN\_LEN to a nonzero value shall follow the rules described in 29.9.2.2 and may use the TRN-R subfields appended to the received packet to perform receive beam training. A beam tracking initiator may use the procedures specified above to request a beam tracking responder to perform both transmit and receive beam tracking on the same packet. This is done by, on top of the corresponding TXVECTOR parameter configuration specified above, setting the TXVECTOR parameter RX\_TRN\_PER\_TX\_TRN to a value greater than zero and the EDMG\_PACKET\_TYPE to EDMG-TRN-T-PACKET. In this case, the beam tracking initiator and beam tracking responder shall use the rules described in 29.9.2.2 to perform both transmit and receive training over the TRN subfields appended to the transmitted packet.

A beam tracking initiator requesting simultaneous receive and transmit beam tracking shall set the EDMG\_BEAM\_TRACKING\_REQUEST parameter in the TXVECTOR to Beam Tracking Requested, EDMG\_BEAM\_TRACKING\_TYPE to Analog Beam Tracking, BEAM\_TRACKING\_REQUEST to Beam Tracking Not Requested, EDMG\_PACKET\_TYPE to EDMG-TRN-T-PACKET, the TXVECTOR parameter RX\_TRN\_PER\_TX\_TRN to a value greater than zero, and the parameters EDMG\_TRN\_LEN, EDMG\_TRN\_P, EDMG\_TRN\_M and EDMG\_TRN\_N as described in 29.9.2.2, and append a TRN field to the packet. The feedback sent by the beam tracking responder shall follow the same specification defined for the transmit beam tracking procedure.

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| CID | Clause | Comment | Proposed Change |
| 3368 | 29.2.2 | NUC modulation is not applied to EDMG SC mode only | "For parameter ""NUC\_MOD"", under the column ""Condition"",change ""FORMAT is EDMG"" to ""FORMAT is EDMG, EDMG\_MODULATION is EDMG\_SC\_MODE""For parameter ""NUC\_MOD"", under the column ""Value"",delete ""NUC\_MOD can be set to NUCApplied if EDMG\_MODULATION equals EDMG\_SC\_MODE. Otherwise, it is set to NUCNotApplied""" |
| 3698 | 29.2.2 | The condition of TXVECTOR parameter NUC\_MOD is part of "value" column | Would suggest to add to the "condition" column "EDMG\_MODULATION is EDMG\_SC\_MODE" and remove "NUC\_MOD can be set to NUCApplied if EDMG\_MODULATION equals EDMG\_SC\_MODE. Otherwise, it is set to NUCNotApplied." from "value" column |

Proposed resolution: Revised.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P343, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NUC\_MOD | FORMAT is EDMG, EDMG\_MODULATION is EDMG\_SC\_MODE  | Indicates whether NUC modulation is applied. Enumerated type: NUCNotApplied: indicates that NUC modulation is not applied NUCApplied: indicates that NUC modulation is applied | MU | Y |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3695 | 29.2.2 | TXVECTOR parameter LDPC\_CW\_TYPE is of type MU | as in comment |

Proposed resolution: Accept.

Discussion: In MU PPDU, definition of LDPC code word type (short or long) is signalled in header-B. Consequently, each user may have a different setting.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P342, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LDPC\_CW\_TYPE  | FORMAT is EDMG  | Indicates the LDPC codeword type in terms of code word length. Enumerated Type: SHORT: LDPC codeword length 672, 624, 504, or 468 LONG: LDPC codeword length 1344, 1248, 1008, or 936  | MU | Y |

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3696 | 29.2.2 | TXVECTOR parameter LDPC\_SUPERIMPOSED is of type MU | as in comment |

Proposed resolution: Accept.

Discussion: In MU PPDU, definition of LDPC code generation for CR 7/8 (puctured or superimposed) is signalled in header-B. Consequently, each user may have a different setting.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P342, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LDPC\_SUPERIMPOSED  | FORMAT is EDMG  | Indicates whether punctured or superimposed LDPC code is used for code rate 7/8 encoding. 0: indicates that punctured LDPC code is applied as described in 20.6.3.2.3 and 29.5.9.4.3 1: indicates that superimposed LDPC code is applied as described in 29.5.9.4.3 If the EDMG\_MCS parameter is 13 and the PSK\_APPLIED parameter is PSK\_APPLIED, then this parameter indicates the 7/8 code employed in the encoding procedure with codeword shortening to achieve the effective code rate of 5/6 as defined in 29.5.9.4.3.  | MU | Y |

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3697 | 29.2.2 | TXVECTOR parameter STBC is of type MU | as in comment |

Proposed resolution: Accept.

Discussion: In MU PPDU, application of STBC is signalled in header-B. Consequently, each user may have a different setting.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P342, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| STBC | FORMAT is EDMG  | Indicates whether STBC is used. 0: indicates no STBC (NSTS = NSS in the Data field). 1: indicates STBC is used (NSTS = 2×NSS and NSS in the Data field).  | MU | Y |

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3699 | 29.2.2 | TXVECTOR parameter PSK\_APPLIED is of type MU | as in comment |

Proposed resolution: Accept.

Discussion: In MU PPDU, application of π/2-8-PSK is signalled in header-B. Consequently, each user may have a different setting.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P343, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PSK\_APPLIED  | FORMAT is EDMG, EDMG\_MODULATION is EDMG\_SC\_MODE  | Indicates if π/2-8-PSK is applied for MCS 12 or MCS 13. Enumerated Type: PSK\_APPLIED: indicates that π/2-8-PSK is applied. PSK\_NOT\_APPLIED: indicates that π/2-8-PSK is not applied  | MU | Y |

|  |  |  |  |
| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3701 | 29.2.2 | Spelling error in NEXT\_TX\_SISO entry | Inidicates whether the following transmission from this STA is performed WITH (in) single DMG antenna or multiple DMG antennas. |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P351, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NEXT\_TX\_SISO  | SCRAMBLER\_INIT\_SETTING is CONTROL\_TRAILER  | Inidicates whether the following transmission from this STA is performed with single DMG antenna or multiple DMG antennas. Enumerated type: NextTxSingleAntenna NextTxMultiAntenna  | Y | Y |

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| CID | Clause | Comment | Proposed Change |
| 3702 | 29.2.2 | TXVECTOR parameter RF\_CHAIN\_ID configures SSSW. Suggest to rename RF\_CHAIN\_ID to SSSW\_RF\_CHAIN\_ID | as in comment |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P355, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SSSW\_RF\_CHAIN\_ID  | FORMAT is EDMG  | Identifies the transmit chain currently being used for the transmission. Can take the values in the range 1 through 8.  | Y | Y |

*TGay Editor: Please modify “Table 108 Short SSW Payload field definition (P527, L1)” as follows*

|  |  |
| --- | --- |
| RF Chain ID  | Corresponds to TXVECTOR parameter SSSW\_RF\_CHAIN\_ID. Identifies the transmit chain currently being used for the transmission.  |

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| --- | --- | --- | --- |
| CID | Clause | Comment | Proposed Change |
| 3703 | 29.2.2 | TXVECTOR parameter BSSID configures SSSW. Suggest to rename BSSID to SSSW\_BSSID. Also the abbreviation BSSID occurs in other meanings within the spec | as in comment |

Proposed resolution: Accept.

*TGay Editor: Please modify “Table 43 TXVECTOR and RXVECTOR parameters (P355, L1)” as follows*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SSSW\_BSSID  | FORMAT is EDMG  | Contains the BSSID of the BSS  | Y | Y |

*TGay Editor: Please modify “Table 108 Short SSW Payload field definition (P527, L1)” as follows*

|  |  |
| --- | --- |
| Short Scrambled BSSID  | Derived from TXVECTOR parameter SSSW\_BSSID. The content of this field is defined in 29.9.1.2.  |

Straw Poll

Do you agree to resolve CID 3103, 3106, 3107, 3111, 3114, 3115, 3116, 3117, 3197, 3274, 3368, 3695, 3696, 3697, 3698, 3699, 3701, 3702, and 3703 as proposed in 11-18/1773r0?

Y / N / A