IEEE P802.11  
Wireless LANs

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| Resolution to some TGay SB000 Editorial CIDs | | | | |
| Date: 2020-05-24 | | | | |
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Abstract

This document proposes resolutions to some editorial CIDs

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| **CID** | **Page** | **Line** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 6196 | 23.00 | 32 | 3.2 | The word "packet" is agreed to only be used when dictated by external specifications, by convention. IEEE Std 802.11 uses "frame", for both MAC and PHY structures. | Change all uses of "SSW packet" to "SSW frame" throughout. Change the field name "Packet Type" to "PPDU Type", throughout. Change "TXSS-PACKETS" to "TXSS-PPDUS" throughout. Change "EDMG\_PACKET\_TYPE" to "EDMG\_PPDU\_TYPE" and similarly modify its enumerated values, throughout. Change "L\_PACKET\_TYPE" to "L\_PPDU\_TYPE" in Table 28-1 and throughout. In text (such as P151.28) and figures (such as Figuer 10-94k) change "packet" to "PPDU" or "frame". | Revise |
| 6197 | 277.00 | 26 | 10.42.4 | Since the word "packet" has restricted use, the terms "PACKET-TYPE", "TRN-R-PACKET" and "TRN-T-PACKET" have been changed in REVmd. | Update draft to match REVmd's terminology. | Accept |

Discussion:

The use of the word packet in 11ad before becoming part of 11mc, and even later, and in this document, when describing mainly beamforming related entities is for emphasizing the PHY nature of the usage of those entities, especially when choosing between received packet according to some unspecified PHY selection criterion. The word “packet is now taboo so it should be replaced. Most of the changes suggested by the commenter (when actionable) are correct. However, “Short SSW packets” should become “Short SSW PPDUs”, because a short SSW packet is not a MAC frame and does not contain one. Some of the text needs to be adjusted to an updated baseline.

***TGay Editor: throughout the draft, replace “Short SSW packet” with “Short SSW PPDU”***

***TGay Editor: throughout the draft, replace “Short SSW packets” with “Short SSW PPDUs”***

***TGay Editor: throughout the draft, replace “EDMG\_PACKET\_TYPE” with “EDMG\_PPDU\_TYPE”***

***TGay Editor: throughout the draft, replace “EDMG-TRN-R-PACKET” with “EDMG-TRN-R”***

***TGay Editor: throughout the draft, replace “EDMG-TRN-T-PACKET” with “EDMG-TRN-T”***

***TGay Editor: throughout the draft, replace “EDMG-TRN-T-PACKET” with “EDMG-TRN-T”***

***TGay Editor: throughout the draft, replace “EDMG-TRN-R/T-PACKET” with “EDMG-TRN-R/T”***

***TGay Editor: throughout the draft, replace “L\_PACKET\_TYPE” with “L\_PPDU\_TYPE”***

***TGay Editor: throughout the draft, replace “PACKET\_TYPE” with “PPDU\_TYPE”***

***TGay Editor: throughout the draft, replace “TRN-R-PACKET” with “TRN-R”***

***TGay Editor: throughout the draft, replace “TRN-T-PACKET” with “TRN-T”***

***TGay Editor: throughout the draft, replace “Packet Type” with “PPDU Type”***

***TGay Editor: In page 419 L1 replace “which packet’ with “which PPDU.***

***TGay Editor: in page 443 L1 replace “transmission of the packet” with “transmission of the PPDU”***

***TGay Editor: In page 599 L1 replace “which packet’ with “which PPDU.***

***TGay Editor: In page 599 L1 replace “the packet’ with “the PPDU.***

***TGay Editor: throughout subclause 28.8.2 replace “packet” with “PPDU”***

***TGay Editor: in P786L16 replace “packet” with “PPDU”***

***TGay Editor: in P288L19,20,22, 27, 29, 32,40, 42, 43,45 replace “packet” with “PPDU”***

***TGay Editor: in P290L20 “PPDUpacket” with “PPDU”***

***TGay Editor: in P151L28 (table) 9-231n replace “packet” with “PPDU”***

***TGay Editor: throughout the draft, replace “TXSS-PACKETS” with “TXSS-PPDUS”***

***TGay Editor: in P154L6, 12 replace “packet” with “frame”***

***TGay Editor: in P159L10 (table 9-321r) replace “packet” with “PPDU”***

***TGay Editor: in P196L24 replace “packet’ with “frame”***

***TGay Editor: in P197L4,14 replace “which packet” with “which PPDU”***

***TGay Editor: in P274L15 replace “frame” with “PPDU”***

***TGay Editor: in P274L18 replace “packet” with “PPDU”***

***TGay Editor: in p284L11 replace “packet” with “PPDU”***

***TGay Editor: in p284L30 replace “packet” with “PPDU” (in the crossed-out text)***

***TGay Editor: in p288L4 replace “packet” with “PPDU”***

***TGay Editor: in p288L12,19,20,21,27,29,32,40,42,43,45 replace “packet” with “PPDU”***

***TGay Editor: in p289L27 replace “packet” with “PPDU” (in the crossed out text)***

***TGay Editor: in P321L24 replace all occurances of “packet” with “PPDU” in figure 10-94k***

***TGay Editor: in P325L1 replace all occurances of “packet” with “PPDU” in figure 10-94k***

***TGay Editor: in P325L5 replace all occurances of “packet” with “PPDU” in figure 10-94m***

***TGay Editor: in P329L25 replace all occurances of “packet” with “PPDU” in figure 10-94n***

***TGay Editor: in P320L4 replace all occurances of “packet” with “PPDU” in figure 10-94o***

***TGay Editor: in P23L32 replace “packet” with “PPDU”***

***TGay Editor: in P281L22 replace “SSW packet” with “Short SSW PPDU”***

***TGay Editor: in P408L1 (EDMG\_PACKET/PPDU\_TYPE line, value column), replace “packet” with “PPDU”***

***TGay Editor: in P445L1 (Number of Trnasmit Chains line), replace “packet” with “PPDU”***

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| 6198 | 288.00 | 12 | 10.42.7 | There are numerous inconsistencies with the baseline in this paragraph (assuming REVmd D3.0 is the baseline, as stated at the top of the draft). This has significant impact on the wording of the new/modified text, to match the baseline style. This appears to continue in subsequent paragraphs. I didn't check other places in the Draft. | Check that the draft has correct baseline (unchanged) text, and adjust modified text to match the correct baseline. | Revise |

***TGay Editor: Modify the text in P288L12-16 as follows:***

A beam tracking responder that receives a PPDU requesting receive beam tracking ~~with the BEAM\_TRACKING\_REQUEST parameter in the BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR set to Beam Tracking Requested,~~ (in which the BEAM\_TRACKING\_REQUEST or EDMG\_BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is set to Beam Track Requested) and the PPDU\_TYPE in the RXVECTOR set to TRN-R (corresponding to PPDU-TYPE field in the RXVECTOR set to TRN-R) shall:

***TGay Editor: Modify the text in P288L17-22 as follows:***

* If BEAM\_TRACKING\_REQUEST parameter in the RXVECTOR is Beam Tracking Requested, follow the rules described in 20.9.2.2 (Beam refinement) and shall include a beam refinement AGC field and TRN-R subfields appended to the next PPDU that is transmitted to the initiator in the same allocationand that employs MCS index greater than 0. The value of TRN-LEN in the TXVECTOR of that PPDUshall be equal to the value of the TRN-LEN parameter in the RXVECTOR of the PPDU from the initiator.

***TGay Editor: Modify the text in P289L12-14 as follows:***

* ~~s~~Set the BEAM\_TRACKING\_REQUEST parameter in the TXVECTOR to Beam Tracking Requested, PPDU-TYPE to TRN-T, TRN-LEN to the number of TRN Units as described in 20.9.2.2.3, and append an AGC field and TRN-T subfields to the PPDU; or

***TGay Editor: Modify the text in P289L26-34 as follows:***

The beam tracking responder may aggregate in an A-MPDU a BRP frame that contains a Channel Measurement Feedback element with the feedback (see 10.42.6.4.1) ~~aggregate the feedback inside an A-MPDU in a frame sent from the responder to the initiator according to the rules specified in 10.42.6.4.1 (General).~~ The initiator may allocate time for the feedback through a reverse direction grant, provided the reverse direction protocol is supported by both the initiator and responder. The feedback type shall be the same as the feedback type in the last BRP frame that was transmitted from the initiator to the responder with TX-TRN-REQ equal to 1. If the NUM\_TX\_CHAINS parameter in the RXVECTOR of the frame that elicits the feedback is greater than 1, the responder may send the feedback in a MIMO BF Feedback frame. If the responder has never received a BRP frame from the initiator with TX-TRN-REQ equal to 1:

***TGay Editor: Modify the text in P290L5-8 as follows:***

A beam tracking initiator may ~~also~~ request a beam tracking responder that the responder ~~to~~ perform receive beam tracking by setting the TXVECTOR parameter BEAM\_TRACKING\_REQUEST to beam tracking not requested, the (#4792)TRN\_LEN parameter to a nonzero value, the PPDU\_TYPE(#4794) parameter to TRN-R-PACKET, and append an AGC field and TRN-R subfields to the transmitted PPDU.

***TGay Editor: Modify the text in P290L5-8 as follows:***

If the beam tracking initiator does not receive the expected feedback from the beam tracking responder within a time period that is less the beam tracking time limit of the last request plus BRPIFS, the beam tracking request has failed. If the initiator receives the expected feedback from the responder within time that is greater than or equal to the beam tracking time limit of the last request plus BRPIFS, the beam tracking initiator should ignore it.

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| 6161 | 397.00 | 11 | 28.1.1 | It is grammarly inaccurate by saying "multiple channel widths PPDU transmissions." | Change the first sentence of this paragraph to "The EDMG PHY adds support for multiple space-time streams, downlink multi-user (MU) transmissions and PPDU transmissions with multiple channel widths, including 4.32 GHz, 6.48 GHz, 8.64 GHz, 2.16+2.16 GHz, and 4.32+4.32 GHz 11." | Accept |

***TGay Editor: Modify the text in P397L10-12 as follows:***

The EDMG PHY adds support for multiple space-time streams, downlink multi-user (MU) transmissions and PPDU transmission with multiple channel widths, including 4.32 GHz, 6.48 GHz, 8.64 GHz, 2.16+2.16 GHz, and 4.32+4.32 GHz. The channels making up a 2.16+2.16 GHz and 4.32+4.32 GHz PPDU transmission

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| 6162 | 397.00 | 14 | 28.1.1 | It is not clear what "each channel" means in the last sentence, | Change to "For 2.16+2.16 GHz and 4.32+4.32 GHz transmissions, the maximum number of spatial streams in each 2.16 GHz channel and 4.32 GHz channel, respectively, is four. | **Accept** |

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| 6163 | 398.00 | 17 | 28.1.1 | It is not clear if short GI type is supported means the long GI type must also be supported. | If both types must be supported as long as one of them is supported, change this line to "Both short and long GI types"; otherwise, change the line to "Short GI type or long GI type or both" | Revise |

***TGay Editor: Modify the text in P398L17 as follows:***

* Short GI type orlong GI type or both

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| 6168 | 427.00 | 1 | 28.3.1 | In Table 28-2, N\_up is defined as Upsampling parameter. The commonly used term is Upsampling factor. | Change Upsamping parameter to Updampling factor. | Revise |

***TGay Editor: In table 28-2 (P428), change “Upsampling parameter” to “Upsampling factor”***

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| 6171 | 434.00 | 3 | 28.3.3.2.4.1 | The description in some of cells in the last column of Table 28-6 should have "Any one of", similar to the first row. For example, the text in the second row (last column) is better to be "Any one of (1 and 2), (3 and 4), (5 and 6), (7 and 8)" | See Comment | Revise |

***TGay Editor: Modify table 28-6 (P434L3) as follows:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Scrambler Initialization field | | | | Requested channel bandwidth | 2.16 GHz channel(s) making up the requested channelization |
| B0 | B1 | B2 | B3 |
| 0 | 0 | 0 | 0 | 2.16 GHz | Any one of 1, 2, 3, 4, 5, 6, 7, 8 |
| 1 | 0 | 0 | 0 | 4.32 GHz or  2.16+2.16 GHz | Any one of (1 and 2), (3 and 4), (5 and 6), (7 and 8) |
| 0 | 1 | 0 | 0 | 4.32 GHz or  2.16+2.16 GHz | Any of (2 and 3), (4 and 5), (1 and 6) |
| 1 | 1 | 0 | 0 | 6.48 GHz | (1 – 3) or (4 – 6) |
| 0 | 0 | 1 | 0 | 6.48 GHz | (2 – 4) or (5 – 7) |
| 1 | 0 | 1 | 0 | 6.48 GHz | (3 – 5) or (6 – 8) |
| 0 | 1 | 1 | 0 | 8.64 GHz or  4.32+4.32 GHz | 1 – 4 |
| 1 | 1 | 1 | 0 | 8.64 GHz or  4.32+4.32 GHz | 2 – 5 |
| 0 | 0 | 0 | 1 | 8.64 GHz or  4.32+4.32 GHz | 3 – 6 |
| 1 | 0 | 0 | 1 | 2.16+2.16 GHz | (1 and 3) or (4 and 6) |
| 0 | 1 | 0 | 1 | 2.16+2.16 GHz | (2 and 4) or (3 and 5) |
| 1 | 1 | 0 | 1 | 2.16+2.16 GHz | Any of (1 and 4), (2 and 5), (3 and 6) |
| 0 | 0 | 1 | 1 | 2.16+2.16 GHz | Any of (1 and 5), (2 and 6), (3 and 7), (4 and 8) |
| 1 | 0 | 1 | 1 | 4.32+4.32 GHz | 1 – 2 and 4 – 5 |
| 0 | 1 | 1 | 1 | 4.32+4.32 GHz | 2 – 3 and 5 – 6 |
| 1 | 1 | 1 | 1 | 4.32+4.32 GHz | 1 – 2 and 4 – 6 |

**References:**