IEEE P802.11
Wireless LANs

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| Proposed Comment Resolution for CID 575 (REVme D0.1) |
| Date: 2021-08-10 |
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Abstract

This document proposes a comment resolution for CID 575 using REVme D0.1.

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| **Selected** | **CID** | **Page** | **Clause** | **Resn Status** | **Comment** | **Proposed Change** | **Resolution** | **Owning Ad-hoc** |
| -1 | 575 | 173.00 | 3.2 |  | The phrasing of the definitions that reference optional items, changes throughout section 3.2. The initial definitions have the format "...a X, a Y or a Z", but this then changes to "...a X, or a Y or a Z" for some of the others. This should be consistent, as it becomes confusing for the longer lists. | Change the cited sentence to "A 40 MHz high-throughput (HT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to HT\_CBW40), a 40 MHz non-HT duplicate PPDU(TXVECTOR parameter CH\_BANDWIDTH equal to NON\_HT\_CBW40 or TXVECTOR parameter CH\_BANDWIDTH equal to CBW40), or a 40 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW40)". In other words remove the 2nd "or" from the sentence as it's not required. | Revised: There are also some other editorial inconsistencies with these definitions.Please incorporate the changes as shown in submission <URL> | ED1 |

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**Discussion**

Ensure that the clause 3.2 definitions use consistent language, where there are optional PHY elements in a list.

**Proposed Comment Resolution**

Revised: Make the following editorial changes within clause 3.2

**2 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 23 PPDU that is one of the following:

1. A 2 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2).
2. A 2 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2).

**4 MHz mask physical layer (PHY) protocol data unit (PPDU):** A PPDU that is transmitted using

the 4 MHz transmit spectral mask defined in Clause 23 and that is one of the following:

a) A 1 MHz sub 1 GHz (S1G) non-duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW1).

b) A 2 MHz S1G non-duplicate or S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2).

c) A 4 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).

**4 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 23 PPDU that is one of the following:

1. A 4 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).
2. A 4 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).
3. A 4 MHz S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).

**8 MHz mask physical layer (PHY) protocol data unit (PPDU):** A PPDU that is transmitted using the 8 MHz transmit spectral mask defined in Clause 23 and that is one of the following:

a) A 1 MHz sub 1 GHz (S1G) non-duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW1).

b) A 2 MHz S1G non-duplicate or S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2).

c) A 4 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).

d) An 8 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8).

**8 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 23 PPDU that is one of the following:

a) An 8 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8).

b) An 8 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8).

c) An 8 MHz S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8).

**16 MHz mask physical layer (PHY) protocol data unit (PPDU):** A PPDU that is transmitted using

the 16 MHz transmit spectral mask defined in Clause 23 and that is one of the following:

a) A 1 MHz sub 1 GHz (S1G) non-duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW1).

b) A 2 MHz S1G non-duplicate or S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2).

c) A 4 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4).

d) An 8 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8).

e) A 16 MHz S1G non-duplicate, S1G 1 MHz duplicate, or S1G 2 MHz duplicate (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16).

**16 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 23 PPDU that is one of the following:

1. A 16 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16).
2. A 16 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16).
3. A 16 MHz S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16).

**20 MHz physical layer (PHY) protocol data unit (PPDU):** A PPDU that is one of the following:

1. A Clause 15 PPDU.
2. A Clause 16 PPDU.
3. A Clause 17 PPDU (when using 20 MHz channel spacing).
4. A Clause 18 orthogonal frequency division multiplexing (OFDM) PPDU.
5. A Clause 19 20 MHz high-throughput (HT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to HT\_CBW20).
6. A Clause 21 20 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW20).
7. A Clause 27 20 MHz high-efficiency (HE) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW20).

**40 MHz physical layer (PHY) protocol data unit (PPDU):** A PPDU that is one of the following:

1. A 40 MHz high-throughput (HT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to HT\_CBW40)
2. A 40 MHz non-HT duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to NON\_HT\_CBW40 or TXVECTOR parameter CH\_BANDWIDTH equal to CBW40)
3. A 40 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW40)
4. A Clause 27 40 MHz high-efficiency (HE) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW40).

**80 MHz physical layer (PHY) protocol data unit (PPDU):** A PPDU that is one of the following:

1. A Clause 21 80 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80)
2. A Clause 21 80 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80).
3. A Clause 27 80-MHz high-efficiency (HE) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80).

**80+80 MHz physical layer (PHY) protocol data unit (PPDU):** A PPDU that is one of the following:

1. A Clause 21 80+80 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80+80).
2. A Clause 21 80+80 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80+80).
3. A Clause 27 80+80 MHz high efficiency (HE) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80+80).

**160 MHz physical layer (PHY) protocol data unit (PPDU):** A PPDU that is one of the following:

1. A Clause 21 160 MHz very high throughput (VHT) PPDU (TXVECTOR parameter

CH\_BANDWIDTH equal to CBW160).

1. A Clause 21 160 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW160).
2. A Clause 27 160-MHz high efficiency (HE) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW160).