IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposed Comment Resolution for CID 575 (REVme D0.0) | | | | |
| Date: 2021-05-10 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Stephen McCann | Huawei Technologies Co., Ltd | Southampton, UK |  | [stephen.mccann@ieee.org](mailto:stephen.mccann@ieee.org) |

Abstract

This document proposes comment resolutions for REVme D0.0.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | **comments** | | | | | | | | | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **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. |  | ED1 | |

**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 (Sub 1 GHz (S1G) PHY specification) 2 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW2) or Clause 23 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 4 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4), Clause 23 (Sub 1 GHz (S1G) PHY specification) 4 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW4), or Clause 23 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 8 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8), Clause 23 (Sub 1 GHz (S1G) PHY specification) 8 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW8), or Clause 23 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 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 (Sub 1 GHz (S1G) PHY specification) 16 MHz sub 1 GHz (S1G) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16), Clause 23 (Sub 1 GHz (S1G) PHY specification) 16 MHz S1G 1 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16), or Clause 23 (Sub 1 GHz (S1G) PHY specification) 16 MHz S1G 2 MHz duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW16).

**40 MHz physical layer (PHY) protocol data unit (PPDU):** A 40 MHz high-throughput (HT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to HT\_CBW40), 40 MHz non-HT duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to NON\_HT\_CBW40 or TXVECTOR parameter CH\_BANDWIDTH equal to CBW40), or 40 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW40).

**80 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 21 (Very high throughput (VHT) HY specification) 80 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80) or Clause 21 (Very high throughput (VHT) PHY specification) 80 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80).

**80+80 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 21 (Very high throughput (VHT) PHY specification) 80+80 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80+80) or Clause 21 (Very high throughput (VHT) PHY specification) 80+80 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW80+80).

**160 MHz physical layer (PHY) protocol data unit (PPDU):** A Clause 21 (Very high throughput (VHT) PHY specification) 160 MHz very high throughput (VHT) PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW160) or Clause 21 (Very high throughput (VHT) PHY specification) 160 MHz non-high-throughput (non-HT) duplicate PPDU (TXVECTOR parameter CH\_BANDWIDTH equal to CBW160).