IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposed Resolutions to CIDs 4517, 5573, and 6106 | | | | |
| Date: 2002-02-14 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Osama Aboul-Magd | Huawei Technologies |  |  | osama.aboulmagd@huawei.com |
|  |  |  |  |  |

Abstract

This submission includes proposed resolutions to CIDs 4517, 5573, and 6106

R0: Initial revision

[place document body text here]

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4517 | 9.4.2.295c.4 | 148.29 | What does the "Basic EHT-MCS and NSS set field" refer to? | as in the comment. | REVISED  Agree with the commenter. It seems this term was introduced in error when introducing the format of EHT-MCS Map (20 MHz-only STA. The propoded changes is to delete this erm identified by the commente.  TGbe Editor: Please make changes to CID 4517 in <this document> |
| 5573 | 3.2 | 42.31 | The definition of "extremely high throughput (EHT) basic service set (BSS)" uninformative and very indirect because it is based on presence of EHT Operation element in a Beacon. In section 9.3.3.2 it says that this element is present if dot11EHTOptionImplemented is true. THe MIB detail in section C.3 says that dot11EHTOptionImplemented indicates whether the entity is EHT capable. Then Section 4.3.15.c says that an EHT STA supports features defined in Clauses 35 and 36. It takes a lot of digging to understand the definition. | Simplify and enhance understandability of defintion as: "A BSS hosted by a device that supports the MAC features defined in Clause 35 and the PHY features definced in Clause 36." | REJECTED  The EHT BSS definition follows those used in previous amendemnts (HT, VHT, and HE) and these definitions have been in use for long time. No need to change the definition at this time since it is well understood and follow previous practice. |
| 6106 | 3.2 | 41.21 | Saying "reception \_and\_ transmission" implies that both are required, and required on more than one link at a time. That would be STR, not just multi-radio. Also missing a preposition. | Change multi-radio non-AP MLD definiton to read, "...supports reception or transmission of frames ..." | Accepted |

**CID 4517:**

Discussion:

The commenter is referring to the occurance of the term “Basic EHT-MCS And NSS Set field that occurs in 3 places on page 148. This term hasn’t been introduced before and no definition was given. It seems that the term was erroneously introduced when desacribing the EHT-MCS MAP (20 MHz-Only STA subfield in Figure 9-788ex.

For example, the paragraph starting on L29P148 seems to combine the the EHT-MCS Map (20 MHz-Only STA) subfield and Basic-MCS And NSS sewt field identified by the commenter – as shown below.

**MHz-Only STA) subfield** and the **Basic EHT-MCS And NSS Set field** have the format shown in Figure 9-788ex (EHT-MCS Map (20 MHz-Only STA) subfield and Basic EHT-MCS and NSS Set field format).”

Proposed Resolution: Revised

***TGbe Editor: Please make changes to P148 of draft D1.0 as shown below:***

The EHT-MCS Map (20 MHz-Only STA) subfield has the format shown in [Figure 9-788ex (EHT-MCS Map (20 MHz-Only STA) subfield](#bookmark118)   [format)](#bookmark118).

|  |  |  |  |
| --- | --- | --- | --- |
| B0 B3 | B4 B7 | B8 B11 | B12 B15 |
| Rx Max Nss That Supports EHT-MCS 0–7 | Tx Max Nss That Supports EHT-MCS 0–7 | Rx Max Nss That Supports EHT-MCS 8–9 | Tx Max Nss That Supports EHT-MCS 8–9 |
| 4  B16 B19 | 4  B20 B23 | 4  B24 B27 | 4  B28 B31 |

Bits:

|  |  |  |  |
| --- | --- | --- | --- |
| Rx Max Nss That Supports EHT-MCS 10–11 | Tx Max Nss That Supports  EHT-MCS 10–11 | Rx Max Nss That Supports EHT-MCS 12–13 | Tx Max Nss That Supports  EHT-MCS 12–13 |

Bits: 4 4 4 4

**Figure 9-788ex—EHT-MCS Map (20 MHz-Only STA) subfield format**

**CID 5573**

Discussion

The commenter is referring to the definition of the Extremly High Throughput (EHT) Basic Service Set (BSS) on L30P42 of 802.11be draft 1.0. The commnter claim that the definition is not informative and requires a lot of digging.

It has to be noted that this definition follows those definitions for HT BSS, VHT BSS, and HE BSS that are repeated here for reference.

**high-throughput (HT) basic service set (BSS):** A BSS in which Beacon frames transmitted by an HT

station (STA) include the HT Capabilities element (802.11-2020)

**very high throughput (VHT) basic service set (BSS)**: A BSS in which a Beacon frame transmitted by a

VHT station (STA) includes the VHT Operation element. (802.11-2020)

**high-efficiency (HE) basic service set (BSS)**: A BSS in which the transmitted Beacon frame includes an

HE Operation element. (802.11ax-2021)

Those definitions have been in use for long time and well understood by the community. An interested reader would be able to check the appropriate element which includes details of the features supported. There is no need tochange the definition at this time. The commenter may submit a comment to REVme and the issue can be discussed there.

Proposed Resolution: Reject

**CID 6106**

Discussion

The commenter is referring to the definition

multi-radio non-access point (non-AP) multi-link device (MLD): A non-AP MLD that supports reception and transmission frames on more than one link at a time.

The commenter proposes to change the and to an or to avoid confusion with the STR.

Proposed Resolution: Accept

**References:**