IEEE P802.11  
Wireless LANs

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| CID 1469 | | | | |
| Date: 2022-04-29 | | | | |
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Abstract

This document proposes comment resolutions for LB258 CID 1469.

*Discussion :*

CID 1469 is shown on the next page.

Proposed Resolution:

* CID 1469 : Revised.

|  |  |  |  |
| --- | --- | --- | --- |
| **CID** | **Clause Number** | **Comment** | **Proposed Change** |
| 1469 | 9.4.2.3 | The Management frame format tables indicate a Supported Rates And BSS Membership Selector element is present in an S1G BSS even if there are no BSS membership selectors. But in that case (only) it will have a zero-length Information field | In Figure 9-195--Supported Rates and BSS Membership Selectors element format change "1-8" to "0-8" and at line 19.5 add "The length of the Supported Rates field is not 0 if the element is not transmitted by an S1G STA." |

*Proposed change : for clause 9.3.3.5*

* Association Request frame format

The frame body of an Association Request frame contains the information shown in Table 9-62 (Association Request frame body).

|  |  |  |
| --- | --- | --- |
| * Association Request frame body | | |
| Order | Information | Notes |
| 4 | Supported Rates and BSS Membership Selectors | This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership  selector (see 11.1.4.6) is declared. (#24) |
| 5 | Extended Supported Rates and BSS Membership Selectors | The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates, and it is optional otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element)) or if dot11S1GOptionImplemented is true and no BSS membership  selector (see 11.1.4.6) is declared. (#24) |

*Proposed change : for clause 9.3.3.6*

* Association Response frame format

The frame body of an Association Response frame contains the information shown in Table 9-63 (Association Response frame body).

|  |  |  |
| --- | --- | --- |
| * Association Response frame body | | |
| Order | Information | Notes |
| 4 | Supported Rates and BSS Membership Selectors | This field is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |
| 5 | Extended Supported Rates and BSS Membership Selectors | The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates and BSS membership selectors(#1470), and is optionally present otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |

*Proposed change : for clause 9.3.3.7*

* Reassociation Request frame format

The frame body of a Reassociation Request frame contains the information shown in Table 9-64 (Reassociation Request frame body).

|  |  |  |
| --- | --- | --- |
| * Reassociation Request frame body | | |
| Order | Information | Notes |
| 5 | Supported Rates and BSS Membership Selectors | This field is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |
| 6 | Extended Supported Rates and BSS Membership Selectors | The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates and BSS membership selectors(#1470), and it is optional otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |

*Proposed change : for clause 9.3.3.8*

* Reassociation Response frame format

The frame body of a Reassociation Response frame contains the information shown in Table 9-65 (Reassociation Response frame body).

|  |  |  |
| --- | --- | --- |
| * Reassociation Response frame body | | |
| Order | Information | Notes |
| 4 | Supported Rates and BSS Membership Selectors | This field is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |
| 5 | Extended Supported Rates and BSS Membership Selectors | The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates and BSS membership selectors (#1470), and it is optional otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |

*Proposed change : for clause 9.3.3.9*

* Probe Request frame format

The  frame  body  of a Probe Request frame contains the information shown in Table 9-66 (Probe Request frame body).

|  |  |  |
| --- | --- | --- |
| * Probe Request frame body | | |
| Order | Information | Notes |
| 2 | Supported Rates and BSS Membership Selectors | This field is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |
| 4 | Extended Supported Rates and BSS Membership Selectors | The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates and BSS membership selectors(#1470), and is optionally present otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24) |

*Proposed change : for clause 9.3.3.10*

* Probe Response frame format

The  frame  body of a Probe Response frame contains the information shown in Table 9-67 (Probe Response frame body). See additional details and procedures in 11.1.4 (Acquiring synchronization, scanning).

|  |  |  |
| --- | --- | --- |
| * Probe Response frame body | | |
| Order | **Information** | **Notes** |
| 5 | **Supported Rates and BSS Membership Selectors** | **This field is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24)** |
| 15 | **Extended Supported Rates and BSS Membership Selectors** | **The Extended Supported Rates and BSS Membership Selectors element is present if there are more than eight supported rates and BSS membership selectors(#1470), and it is optionally present otherwise. This element is not present if dot11DMGOptionImplemented is true (see 11.1.4.6 (Operation of Supported Rates and BSS Membership Selectors element and Extended Supported Rates and BSS Membership Selectors element) or if dot11S1GOptionImplemented is true and no BSS membership selector (see 11.1.4.6) is declared. (#24)** |

*Proposed change : for clause 11.1.4.6*

* ~~An S1G or CMMG STA should not include supported rates in frames it transmits since its MCS capabilities are indicated in its Capabilities element.~~ An S1G or CMMG STA should ignore supported rates in frames it receives since the peer’s MCS capabilities are indicated in its Capabilities element.An S1G STA shall not include supported rates in frames it transmits since its MCS capabilities are indicated in its Capabilities element. A CMMG STA should not include supported rates in frames it transmits since its MCS capabilities are indicated in its Capabilities element.

NOTE 1—Rates are expressed in units of 500 kb/s, up to 63.5 Mb/s (see 9.4.2.3 (Supported Rates and BSS Membership Selectors element)). This might result in duplicate values ~~for an S1G STA, and in values~~ that cannot be expressed for a CMMG STA.(#24)

**References:**