IEEE P802.11
Wireless LANs

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| Proposed Resolution for CID 7136  |
| Date: 2024-04-11 |
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Abstract

This document provides the context for the proposed resolution for CID 7136

7136 - ed1 - 867.13

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| The use of j to describe the number of Octets is unnecessarily complex. The number Octets is either 3 or 5, depending on if a 24-bit OUI or CID or a 36-bit OUI-36 is contained in the Organization Identifier field. | Replace: "The length of the Organization Identifier field (j) is the minimum number of octets required to contain the entire IEEE-assigned identifier (see Figure 9-169 (Organization Identifier field format)). Thus, the Organization Identifier field is 3 octets in length if the IEEE-assigned identifier is an OUI or CID, or 5 octets in length if the IEEE-assigned identifier is an OUI-36." With: "The length of the Organization Identifier field for a 24-bit OUI or a 24-bit CID identifier is 3 Octets and for a 36-bit OUI-36 identifier is 5 Octets. (see Figure 9-174 (Organization Identifier field format))." And update Figure 9-174 so that the number of Octets below the figure is: "Octets: 3 or 5". Also, this same change should be made to Figure 9-396 (1050.60), replacing "j" with "3 or 5" And Replace (1051.1): "The Organization Identifier field identifies (see 9.4.1.29 (Organization Identifier field)) the entity that has defined the content of the particular Vendor Specific element. See 9.4.1.29 (Organization Identifier field) for the definition of j." With: "The Organization Identifier field contains the identity of the entity that has defined the content of Vendor Specific element (see 9.4.1.29 (Organization Identifier field) for a description of the Organization Identifier field contents and length)." And Replace (1612.41): "The Organization Identifier field identifies (see 9.4.1.29 (Organization Identifier field)) the entity that has defined the content of the particular Vendor Specific RLQP-element. See 9.4.1.29 (Organization Identifier field) for the definition of j." With: "The Organization Identifier field contains the identity of the entity that has defined the content of the Vendor Specific RLQP-element (see 9.4.1.29 (Organization Identifier field) for a description of the Organization Identifier field contents and length)." And correct Figure 9-1181 (1641.4) by replacing "j" with "3 or 5". Also delete 1641.12: "The Organization Identifier field contains (#4065)an organization identifier assigned by the IEEE and is specified in 9.4.1.29 (Organization Identifier field). The order of the Organization Identifier field is described in 9.2.2 (Conventions)." as it is redundant text contained in 9.4.1.29. | Revised:The page and line references in the comment are incorrect. Changes are made at the following page.line location: 819.48, 1028.43, 1610.22, 1637.55A red line mark-up of these changes is provided in 11-24/0683r0. |

Page 819, line 48

* Organization Identifier field

The Organization Identifier field contains a public unique identifier assigned by the IEEE Registration Authority as a 24-bit OUI, a 24-bit CID, or a 36-bit OUI-36, see IEEE Registration Authority [B15] and [B16]. The order of the Organization Identifier field is described in 9.2.2 (Conventions).

The length of the Organization Identifier field for a 24-bit OUI or a 24-bit CID identifier is 3 Octets and for a 36-bit OUI-36 identifier is 5 Octets. (see Figure 9-169 (Organization Identifier field format)). Thus, the Organization Identifier field is 3 octets in length if the IEEE-assigned identifier is an OUI or CID, or 5 octets in length if the IEEE-assigned identifier is an OUI-36.

|  |  |
| --- | --- |
|  | Organization Identifier |
| Octets: | 3 or 5 |
| * Organization Identifier field format
 |

If the length of the IEEE-assigned identifier is not an integer number of octets, the least significant bits of the last octet are specified by the organization identified.

NOTE—For example, for the IEEE-assigned identifier 0x0050C24A4, the Organization Identifier field would contain 0x0050C24A4*y* where *y* represents the four least significant bits of the fifth octet of the field. The value of *y* is specified by the organization whose identifier is 0x0050C24A4.

**Page 1028 Line 43**

* Vendor Specific element

The Vendor Specific element is used to carry information not defined in this standard within a single defined format, so that reserved element IDs are not usurped for nonstandard purposes and so that interoperability is more easily achieved in the presence of nonstandard information. The element is in the format shown in Figure 9-369 (Vendor Specific element format).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Element ID | Length | Organization Identifier | Vendor-specific content |
| Octets: | 1 | 1 | *3 or 5* | variable |
| * Vendor Specific element format
 |

The Element ID and Length fields are defined in 9.4.2.1 (General).

The Organization Identifier field contains the identity of the entity that has defined the content of Vendor Specific element (see 9.4.1.29 (Organization Identifier field) for a description of the Organization Identifier field contents and length).

(#3376)The Vendor-specific content field contains vendor specific content.

**Page 1610 line 22**

* Vendor Specific RLQP-element

The Vendor Specific RLQP-element is used to carry information not defined in this standard within a single defined format, so that reserved Info IDs are not usurped for nonstandard purposes and so that interoperability is more easily achieved in the presence of nonstandard information. The RLQP-element is in the format shown in Figure 9-1159 (Vendor Specific RLQP-element format).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
|  | Info ID | Length | Organization Identifier  | Vendor-specific content |
| Octets: | 2 | 2 | *3 or 5* | variable |
| * Vendor Specific RLQP-element format
 |

The Info ID and Length fields are defined in 9.4.6.1 (General).

The Organization Identifier field contains the identity of the entity that has defined the content of Vendor Specific element (see 9.4.1.29 (Organization Identifier field) for a description of the Organization Identifier field contents and length).

(#3376)The Vendor-specific content field contains vendor specific content.

**Page 1637 line 55**

* Vendor Specific Action frame and Vendor Specific Protected Action frame details(#3729)(#4065)

(#4065)Vendor Specific Action and Vendor Specific Protected Action frames are defined for vendor-specific signaling. The format of the Action field of these frames is shown in Figure 9-1179 (Action field format of Vendor Specific Action and Vendor Specific Protected Action frames(#4065-Ed)).

NOTE—If management frame protection is negotiated, then Vendor Specific Protected Action frames (see Table 9-81 (Category values)) are protected; otherwise they are unprotected.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Category | Organization Identifier | Vendor Specific Content |
| Octets: | 1 | *3 or 5* | variable |
| * Action field format of Vendor Specific Action and Vendor Specific Protected Action frames(#4065-Ed)
 |

The Category field is defined in 9.4.1.11 (Action field).

The Organization Identifier field contains (#4065) the identity of the entity that has defined the content of Vendor Specific element (see 9.4.1.29 (Organization Identifier field) for a description of the Organization Identifier field contents and length).

The Vendor Specific Content field contains vendor-specific field(s). The length of the vendor specific content in a (#4065)Vendor Specific Action and Vendor Specific Protected Action frame is limited by the maximum allowed MMPDU size.

**References:**