IEEE P802.11
Wireless LANs

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| Proposed Resolution Text for CID 3071 |
| Date: 2022-07-05 |
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|  |  |  |  |  |

Abstract

This document describes the text proposal addressing CID 3071.

# Proposed text

### 9.4.2.296 EBCS Parameters element

**The baseline is D3.0.**

***Modify Figure 9-788ee as follows:***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | EBCS Parameters Control | EBCS Info Frame TX Countdown | Compressed Certificate Group ID (optional) | EBCS AP Group ID (optional) |
| Octets: | 1 | 1 | 1 | 1 | 0 or 2 | 0 or 4 | 0 or 2 |

**Figure 9-788ee—EBCS Parameters element format**

***Insert the following text at P52L64:***

The format of the EBCS Parameters Control field is shown in Figure 9-xxx (EBCS Parameters Control field format).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B3 B7 |
|  | EBCS Info Frame Tx Countdown Present | Compressed Certificate Group ID Present | EBCS AP Group ID Present | Reserved |
| Bits: | 1 | 1 | 1 | 5 |

**Figure 9-xxx—EBCS Parameters Control field format**

The EBCS Info Frame Tx Countdown Present subfield is set to 1 if the EBCS Info Frame Tx Countdown is present and is set to 0 otherwise.

The Compressed Certificate Group ID Present subfield is set to 1 if the Compressed Certificate Group ID is present and is set to 0 otherwise.

The EBCS AP Group ID Present subfield is set to 1 if the EBCS AP Group ID is present and is set to 0 otherwise.

***Insert the following text after P52L65:***

The Compressed Certificate Group ID field indicates a 32-bit CRC calculated over the certificate of the AP.

The EBCS AP Group ID field contains the EBCS AP Group ID of the AP.

### 9.6.7.36 FILS Discovery frame format

***Change the following sentence:***

The EBCS Parameters element is defined in 9.4.2.296 (EBCS Parameters element). When included in FILS Discovery frames, the element carries EBCS Info Frame Tx Countdown field and can include Compress Certificate Group ID and EBCS AP Group ID.

### 11.55.3.2 EBCS DL operation at an EBCS AP

**The baseline is 11-22/746r5 (already approved).**

***Modify the 4th paragraph as follows:***

An EBCS AP shall advertise its EBCS capabilities in the EBCS Support field in the Extended Capabilities element in Beacon frames and Probe Response frames. An EBCS AP that has EBCS DL enabled shall transmit EBCS Info frames periodically. The interval between two consecutive EBCS Info frames is specified by dot11EBCSInfoInterval. An EBCS AP shall advertise the timing of the next EBCS Info frame transmission in the EBCS Info Frame TX Countdown field in the EBCS Parameters element and shall not signal an upcoming EBCS Info frame via the TIM element (see 9.4.2.5 (TIM element)) in Beacon frames. An EBCS AP shall advertise the certificate group by the Compressed Certificate Group ID field in the EBCS Parameters element if the EBCS AP belongs to an EBCS certificate group in Beacon frames. An EBCS AP shall advertise the EBCS AP group by the EBCS AP Group ID field in the EBCS Parameters element in Beacon frames if the EBCS AP belongs to an EBCS AP Group. The EBCS Info frame shall be transmitted among the set of group addressed frames transmitted immediately after the Beacon frame identified by the EBCS Info Frame TX Countdown field set equal to 1 in the EBCS Parameters element. Details of EBCS Info frame generation are described in 11.55.3.4 (EBCS Info frame generation and usage).