IEEE P802.11
Wireless LANs

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| Proposed Resolution Text for CID 3026 |
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Abstract

This document describes the text proposal addressing CID 3026.

**The baseline is D3.0.**

# Proposed text

### 9.4.2.297 EBCS TIM element

***Modify P53L3-29 as follows:***

The EBCS TIM element is used to signal the availability of EBCS traffic stream frames. The format of this element is shown in Figure 9-788ef (EBCS TIM element format).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | ~~EBCS DTIM Count~~ | ~~EBCS DTIM Period~~ | Content ID Bitmap Control | Content ID Bitmap |
| Octets: | 1 | 1 | 1 | ~~1~~ | ~~1~~ | 1 | 1-32 |

**Figure 9-788ef—EBCS TIM element format**

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

~~The EBCS DTIM Count field indicates how many Beacon frames (including the current frame) appear before the next EBCS DTIM. An EBCS DTIM count of 0 indicates that the current EBCS TIM is an EBCS DTIM.~~

~~The EBCS DTIM Period field indicates the number of beacon intervals between successive EBCS DTIMs. If all EBCS TIMs are EBCS DTIMs, the EBCS DTIM Period field has the value 1. The EBCS DTIM Period value 0 is reserved. The EBCS DTIM Period field is set to dot11EBCSDTIMPeriod.~~

The format of the Content ID Bitmap Control field is shown in Figure 9-788eg (Content ID Bitmap Control

field format).

### 11.55.3.2 EBCS DL operation at an EBCS AP

***Modify P84L35-53 as follows:***

When dot11EBCSTrafficStreamBufferable for an EBCS traffic stream is true, an EBCS AP shall buffer the EBCS Data frames for that EBCS traffic stream and shall signal buffered EBCS Data frames via the EBCS TIM field or the EBCS TIM element (see 9.4.2.297 (EBCS TIM element)) instead of the TIM element. An EBCS AP shall select the Bitmap Mode value in the EBCS TIM field/element that results in a smaller size of the Content ID Bitmap field. The EBCS AP shall transmit the buffered EBCS Data frames ~~in the EBCS DTIM period specified by the EBCS TIM element~~ after transmitting the EBCS Info frame or the Beacon frame that contains the EBCS TIM field/element indicating the EBCS traffic stream. The EBCS AP shall set the More Data subfield in the Frame Control field in the EBCS Data frame to 1 if more EBCS Data frames of the same EBCS traffic stream are buffered at the AP, otherwise the More Data subfield shall be set to 0.

When dot11EBCSTrafficStreamBufferable for an EBCS traffic stream is false, an EBCS AP shall not buffer the EBCS Data frames and shall transmit the EBCS Data frames that contain the EBCS traffic stream as soon as possible and shall not signal via the EBCS TIM element or the TIM element

An EBCS AP shall transmit the EBCS TIM element in Beacon~~s~~ frames if dot11EBCSTIMInBeacon is true~~, otherwise~~ in addition to EBCS Info frames.

### C.3 MIB detail

***Delete P109L34 as follows:***

~~dot11EBCSDTIMPeriod OCTET STRING,~~

***Delete P110L61-P111L9 as follows:***

~~dot11EBCSDTIMPeriod OBJECT-TYPE~~

~~SYNTAX Unsigned32 (1..255)~~

~~MAX-ACCESS read-write~~

~~STATUS current~~

~~DESCRIPTION~~

~~"This is a control variable.~~

~~It is written by an external management entity. Changes take effect for the next MLME-START.request primitive. This attribute specifies the number of beacon intervals that elapse between transmission of Beacon frames containing an EBCS TIM element whose DTIM Count field is 0. This value is transmitted in the DTIM Period field of Beacon frames."~~

~~::= { dot11StationConfigEntry <ANA+6> }~~

***Modify P115L21-31 as follows:***

dot11EBCSTrafficStreamBufferable OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" This is a control variable.

It is written by an external entity or the SME. Changes take effect as soon as practical in the implementation.

This variable, when true, the EBCS traffic stream is buffered and transmitted ~~in EBCS DTIM period~~ after indicated in an EBCS TIM field or an EBCS TIM element."

::= { dot11EBCSTrafficStreamEntry 11 }