IEEE P802.11  
Wireless LANs

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| CR for Misc CIDs | | | | |
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Abstract

This submission proposes the spec text for resolutions for the CIDs 6001 6002 and 6010. The baseline for this comment resolution document is 802.11bc Draft 5.0.

* Rev 0: first draft

***Instruction to TGbc editor: please modify 9.4.1.68 (11bc D5.0) as follows:***

**9.4.1.68 EBCS Content Request field**

The EBCS Content Request field is included in an EBCS Content Request frame transmitted by an EBCS

non-AP STA to request one or more EBCS traffic streams from its associated AP. The EBCS Content

Request field is also included in an EBCS Content Request ANQP-element, transmitted by an EBCS non-

AP STA to request one or more EBCS traffic streams from an unassociated AP. The format of the EBCS

Content Request field is shown in Figure 9-144b (EBCS Content Request field format).

|  |  |  |  |
| --- | --- | --- | --- |
|  | EBCS Content Request Info Count | | EBCS Content Request Information List |
| Octets: | 1 | | variable |
|  | | Figure 9-144b——EBCS Content Request field format | | |

The EBCS Content Request Info Count subfield indicates the number of EBCS Content Request Info subfields contained in the EBCS Content Request field.

The EBCS Content Request Information List field contains one or more EBCS Content Request Info

subfields.

The format of the EBCS Content Request Info subfield is shown in Figure 9-144c (EBCS Content Request

Info subfield format).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | EBCS Content Request Info Length | | EBCS Content Request Info Control | | Content ID | Broadcaster MAC Address | Requested Time To Termination |
| Octets: | 1 | | 1 | | 1 | 0 or 6 | 0 or 3 |
|  | |  | | Figure 9-144c—EBCS Content Request Info subfield format | | | | |

The EBCS Content Request Info Length subfield indicates the length in octets of the EBCS Content Request Info field including the EBCS Content Request Info Length subfield. [#6001]

The format of the EBCS Content Request Info Control subfield is shown in Figure 9-144d (EBCS Content

Request Info Control subfield format).

***Instruction to TGbc editor: please modify 9.4.1.69 (11bc D5.0) as follows:***

**9.4.1.69 EBCS Content Response field**

The EBCS Content Response field is included in an EBCS Content Response frame used by an EBCS AP to

respond to a request for one or more EBCS traffic streams from an associated STA. The EBCS Content

Request field is also included in an EBCS Content Response ANQP-element used by an EBCS AP to

respond to a request for one or more EBCS traffic streams from an unassociated STA. The format of the

EBCS Content Response field is shown in Figure 9-144e (EBCS Content Response field format).

|  |  |  |  |
| --- | --- | --- | --- |
|  | EBCS Content Response Info Count | | EBCS Content Response Information List |
| Octets: | 1 | | Variable |
|  | | Figure 9-144e— EBCS Content Response field format | | |

The EBCS Content Response Info Count subfield indicates the number of EBCS Content Response Info subfields contained in the EBCS Content Response field.

The EBCS Content Response Information List field contains one or more EBCS Content Response Info

subfields. The format of the EBCS Content Response Info subfield is shown in Figure 9-144f (EBCS

Content Response Info subfield format).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | EBCS Content Response Info Length | EBCS Content Response Info Control | Content ID | | Time To Termination | EBCS SP Duration | EBCS SP Interval |
| Octets: | 1 | 1 | 1 | | 0 or 3 | 0 or 2 | 0 or 2 |
|  |  |  | | Figure 9-144f - —EBCS Content Response Info subfield format | | | | |

The EBCS Content Response Info Length subfield indicates the length in octets of the EBCS Content Response Info field including the EBCS Content Response Info Length subfield. [#6002]

The format of the EBCS Content Response Info Control subfield is shown in Figure 9-144g (EBCS Content

Response Info Control subfield format).

***Instruction to TGbc editor: please modify 9.6.7.55 (11bc D5.0) as follows:***

**9.6.7.55 EBCS Termination Notice frame format**

The EBCS Termination Notice frame is transmitted by a STA to announce the termination of one or more of

the EBCS traffic streams transmitted by the STA. The format of the EBCS Termination Notice frame Action

field is shown in Figure 9-909at (EBCS Termination Notice frame Action Field format).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Category | | Public Action | EBCS Termination Info Count | | EBCS Termination Information Set |
| Octets: | 1 | | 1 | 1 | | variable |
|  | |  | | | Figure 9-909at--EBCS Termination Notice frame Action field format | | |

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

The Public Action field is defined in 9.6.7.1 (Public Action frames).

The EBCS Termination Info Count field indicates the number of EBCS Termination Info subfields contained in the EBCS Termination Information Set field.

The EBCS Termination Information Set field contains one or more EBCS Termination Info subfields.

The format of an EBCS Termination Info subfield is shown in Figure 9-909au (EBCS Termination Info

subfield format).

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | EBCS Termination Info Length | | EBCS  Termination Info Control | | Content ID | Title  Length | Title | Time To  Termination | Negotiation Method | Negotiation Address Type | Negotiation  Address |
| Octets: | 1 | | 1 | | 1 | 0 or 1 | variable | 2 | 1 | 0 or 1 | variable |
|  | |  | | Figure 9-909au--EBCS Termination Info subfield format | | | | | | | | |

The EBCS Termination Info Length subfield indicates the length in octets of the EBCS Termination Info field including the EBCS Termination Info Length subfield. [#6010]

***Instruction to TGbc editor: please modify 33.3.7 (11bc D5.0) as follows:***

**33.3.7 Negotiating parameters for associated STAs**

To request one or more EBCS traffic streams provided by an EBCS AP, with which an EBCS non-AP STA is

associated, the STA shall transmit an EBCS Content Request frame to the EBCS AP. To request one or more

EBCS traffic streams that an EBCS AP has indicated require association, an unassociated EBCS non-AP STA

shall associate with the EBCS AP and subsequently transmit an EBCS Content Request frame. A request for

one or more EBCS traffic streams that does not require association may also be included in the same EBCS

Content Request frame. When requesting an EBCS traffic stream using an EBCS Content Request frame, an

EBCS non-AP STA may request an EBCS traffic stream with a certain time to termination as indicated in the

Requested Time To Termination field included in the EBCS Content Request frame. In addition, the STA may

indicate the MAC address of the AP it is currently receiving the service from, using the Broadcaster MAC Address subfield. The non-AP STA may include in the Broadcaster MAC Address subfield in the EBCS Content Request frame the MAC address of the AP currently serving the EBCS traffic stream,

which may differ from the AP receiving the request. This information may be used to distribute the EBCS

load transmitted by different EBCS APs in a certain area.

An EBCS STA that receives an EBCS Termination Info field shall determine the presence of subfield(s) based on the corresponding presence bits in the EBCS Content Request Info Control subfield.

NOTE — An EBCS receiving STA determines the end of the EBCS Content Request Info field based on the EBCS Content Request Info Length subfield and skips subfields that it cannot decode. [#6001]

After receiving an EBCS Content Request frame from an associated EBCS non-AP STA, an EBCS AP shall

respond with an EBCS Content Response frame. The status of the request for the EBCS traffic stream

identified by a content ID is indicated by the EBCS Content Request Status subfield in the EBCS Content

Response Info subfield containing the same content ID. If the EBCS AP indicates in the EBCS Content

Response frame that the request for an EBCS traffic stream is successful, it may include a Time To

Termination field to indicate the time to termination for the EBCS traffic stream. It may also include EBCS SP

duration and the EBCS SP interval for the EBCS traffic stream in the EBCS Content Response frame.

An EBCS STA that receives an EBCS Content Response Info field shall determine the presence of subfield(s) based on the corresponding presence bits in the EBCS Content Response Info Control subfield.

NOTE — An EBCS receiving STA determines the end of the EBCS Content Response Info field based on the EBCS Content Response Info Length subfield and skips subfields that it cannot decode. [#6002]

***Instruction to TGbc editor: please insert the following text to 33.3.9 (11bc D5.0) as the 6th paragraph:***

An EBCS STA that receives an EBCS Termination Info field shall determine the presence of subfield(s) based on the corresponding presence bits in the EBCS Termination Info Control subfield.

NOTE — An EBCS receiving STA determines the end of the EBCS Termination Info field based on the EBCS Termination Info Length subfield and skips subfields that it cannot decode. [#6010]