IEEE P802.11
Wireless LANs

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| 802.11bc LB268 – Resolution for CID 4026, 4027, 4030, 4035 |
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 Abstract

This submission proposes resolutions for the following CIDs submitted during LB268 for 11bc D4.0: 4026, 4027, 4030, 4035

9.4 Management and Extension frame body components

9.4.1 Fields that are not elements
Insert the following new sections after 9.4.1.67:
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-elmenet, transmitted by an EBCS non-AP STA to request one or more EBCS traffic streams from an unassociated AP [CID4026].

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

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 Response 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. [CID4026]

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

**9.4.5.31 EBCS Content Request ANQP-element**

The EBCS Content Request ANQP-element transmits a register (or unregister) request from a STA to a peer

STA to receive (or stop receiving) enhanced broadcast services that are available from the peer STA. The

format of the EBCS Content Request ANQP-element is defined in Figure 9-839u (EBCS ANQP-element

format).

|  |  |  |  |
| --- | --- | --- | --- |
|  | Info ID | Length | ~~EBCS Content Request Tuples~~EBCS Content Request field [CID4026] |
| Octets | 2 | 2 | Variable |

**Figure 9-839u – EBCS Content Request** **ANQP-element format** [CID4026]

The Info ID and Length fields are defined in 9.4.5.1 (General).

The EBCS Content Request ~~Tuples~~ field ~~contains one or more EBCS Content Request Info subfields. The~~

~~EBCS Content Request Info subfield~~ is defined in 9.4.1.68 (EBCS Content Request field). [CID4026]

**9.4.5.32 EBCS Content Response ANQP-element**

The EBCS Content Response ANQP-element provides a list of zero or more enhanced broadcast services

that are available from a peer STA. The format of the EBCS Content Response ANQP-element is defined in Figure 9-839v (EBCS Content Response ANQP-element format).

|  |  |  |  |
| --- | --- | --- | --- |
|  | Info ID | Length | ~~EBCS Response Information List~~ EBCS Content Response field [CID4026] (Optional) |
| Octets | 2 | 2 | variable |

Figure 9-839v – EBCS Content Response ANQP-element format

The Info ID and Length fields are defined in 9.4.5.1 (General).

The EBCS Content Response ~~Information List~~ field is defined in 9.4.1.69 (EBCS Content Response field). [CID4026]

**11.55.3.8 EBCS negotiation procedure for unassociated STAs**

An unassociated EBCS STA may transmit an EBCS Content Request [CID4026]ANQP-element to an EBCS AP to register for one or more EBCS traffic streams when that AP has indicated that ~~it does not require an association~~ assocation is not required for those streams [CID4035]. When registering for an EBCS traffic stream using an EBCS Content [CID4026]Request ANQP-element, an EBCS STA may request a specific time to termination using the Requested Time To Termination subfield and may indicate the MAC address of the AP it is currently receiving the service from using the Broadcaster MAC Address subfield. The Broadcaster MAC Address subfield allows the non-AP STA to provide the MAC address of the AP currently serving the EBCS traffic stream, which might not be the same as the one receiving the request. This information might be used to distribute the EBCS load transmitted by different EBCS APs in a certain area.

After receiving an EBCS Content [CID4026]Request ANQP-element from an unassociated EBCS STA, an EBCS AP shall

respond with EBCS Content [CID4026]Response ANQP-element ~~and EBCS ANQP-element~~ indicating the acceptance or rejection of the request to start transmitting each EBCS traffic stream indicated in the EBCS Content Request ANQP-element.

If the EBCS AP accepts a request for an EBCS traffic stream, it may include a Time To Termination

subfield in the EBCS Content Response ANQP-element to indicate the time to termination for the EBCS traffic stream.

---CID 4027

9.4.5.30 EBCS ANQP-element

[…]

The EBCS Info Frame Tx Countdown field is defined in 9.4.1.70 (EBCS Info Frame Tx Countdown field).

If present, [CID4027] the EBCS Tuples field contains one or more EBCS Tuple fields as defined in Figure 9-839b (EBCS Tuple field format).