IEEE P802.11
Wireless LANs

|  |
| --- |
| Proposed Text for CR assigned to Xiaofei part 2 |
| Date: 2022-12-05 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Xiaofei Wang | InterDigital Inc. | 111 West 33rd StreetNew York, NY 10120USA | +1-607-592-2727 | Xiaofei.wang@interdigital.com |
| Rui Yang |  |  |
|  |  |  |  |

Abstract

This submission proposes the text for the resolutions for the CIDs 5033 5080 5156. The baseline for this comment resolution document is 802.11bc Draft 4.0.

* Rev 0: first draft

**11.55.3.8 EBCS negotiation procedure for unassociated STAs**

An unassociated EBCS STA may transmit an EBCS 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. When registering

for an EBCS traffic stream using an EBCS 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 Request ANQP-element from an unassociated EBCS STA, an EBCS AP shall

respond with EBCS 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 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 ANQP-element to indicate the time to termination for the EBCS traffic stream.

NOTE—The EBCS AP has the authority to determine the time to termination of the EBCS traffic stream. ANQPelements

received from unassociated STAs are not protected and hence the EBCS AP might exercise caution in

accepting certain requested durations. An EBCS AP evaluates certain criteria before responding to the EBCS service

request from an unassociated STA from which it receives an EBCS Request ANQP-element. Such criteria might

include, but are not limited to, limiting the time duration and/or frequency of EBCS traffic stream requests. The

evaluation of the criteria might be based on local policies installed at the EBCS AP, which is out of scope of this

standard.

An EBCS STA that has registered for an EBCS traffic stream using an EBCS Content Request ANQP-element may de-register for the EBCS traffic stream when it no longer consumes the traffic stream. In order to de-register, the EBCS STA shall send a frame containing an EBCS Content Request ANQP-element to the EBCS AP that is transmitting the EBCS traffic stream. The Broadcast Action bit in the EBCS Content Request Info Control subfield in the EBCS Content Request Info subfield containing the content ID of the EBCS traffic stream for which the EBCS STA attempts to de-register shall be set to 0.

An EBCS STA may combine registering for one or more EBCS traffic streams and de-registering for one or more EBCS traffic streams by sending one frame that contains one EBCS Content Request ANQP-element, in which one or more EBCS Content Request Info subfields contain Broadcast Action set to 1 and one or more EBCS Content Request Info subfields containing Broadcast Action set to 0.

After receiving an EBCS Content Request ANQP-element from an unassociated EBCS STA that registered for one or more EBCS traffic streams, with the Broadcast Action set to 0 in an EBCS Content Request Info subfield for one or more EBCS traffic streams, an EBCS AP shall respond with EBCS Content Response ANQP-element with the EBCS Content Request Status set to 1 in the EBCS Content Response Info subfield containing the content ID for the traffic stream for which the EBCS STA is requesting de-registration.

The EBCS AP, after receiving an EBCS Content Request ANQP-element from an unassociated EBCS STA that registered for one or more EBCS traffic streams, with the Broadcast Action set to 0 in an EBCS Content Request Info subfield for one or more EBCS traffic streams, may terminate the transmission of the EBCS traffic streams. The EBCS AP shall follow the EBCS termination notice procedure (see 11.55.3.9 EBCS termination notice procedure) prior to terminating the transmission of the EBCS traffic streams. [#5156]

**11.55.3.9 EBCS termination notice procedure**

The EBCS termination notice procedure allows a STA that is a broadcaster of EBCS traffic streams to indicate

that one or more of the EBCS traffic streams that it is broadcasting is to be terminated. In EBCS DL, a broadcaster of one or more EBCS traffic streams is an EBCS AP. [#5033, 5080]