IEEE P802.11
Wireless LANs

|  |
| --- |
| Text Proposal for Enhanced Broadcast Request ANQP-element |
| Date: May 12, 2021 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Pei Zhou | OPPO |  |  | zhoupei1@oppo.com |
| Lei Huang |  |  | huang.lei1@oppo.com |
| Chaoming Luo |  |  |  |
| Liuming Lu |  |  |  |

Abstract

This contribution intends to modify the Enhanced Broadcast Request ANQP-element to support the negotiation for the extension of an EBCS for non-AP STAs without association.

Note: The changes shown are based on 802.11bc draft 1.02. Text in red indicates changes to the specification.

Revisions:

* Rev 0: Initial version of the document.

##### 9.6.5.31 Enhanced Broadcast Services Request ANQP-element

The Enhanced Broadcast Services 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 Enhanced Broadcast Services Request ANQP-element is defined in Figure 9-

839g (Enhanced Broadcast Services Request ANQP-element format).

|  |  |  |
| --- | --- | --- |
| Info ID | Length | Enhanced Broadcast Services Request Tuples |

Octets: 2 2 variable

**Figure 9-839g**—**Enhanced Broadcast Services Request ANQP-element format**

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

The Enhanced Broadcast Services Request Tuples field contains one or more Enhanced Broadcast Services

Request Tuple fields as shown in Figure 9-839h (Enhanced Broadcast Services Request Tuple field

format).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Broadcast Action | Content ID | Broadcaster MAC Address | Enhanced Broadcast Services Request Control | Requested Time to Termination(Optional) |
| Octets: | 1 | 1 | 0 or 6 | 1 | 0 or 4 |

**Figure 9-839h**—**Enhanced Broadcast Services Request Tuple field format**

The format of the Enhanced Broadcast Services Request Control field is defined in Figure 9-xx (Enhanced

Broadcast Services Request Control).

|  |  |  |
| --- | --- | --- |
|  | B0 | B1 B7 |
|  | Requested Time To Termination Present | Reserved |
| Bits: | 1 |  7 |

**Figure 9-xx – Enhanced Broadcast Services Request Control format**

A value of 1 in the Requested Time To Termination Present subfield indicates that a Requested Time To Termination

subfield is present in the same Enhanced Broadcast Services Request Tuple subfield.

The Broadcast Action field values are defined in Table 9-bc5:

**Table 9-340d – Broadcast Action field values**

|  |  |
| --- | --- |
| **Value** | **Description** |
| 0-1 | Reserved |
| 2 | Register to receive broadcast |
| 3 | Unregister from receiving broadcast |
| 6-7 | Reserved |

The Content ID subfield indicates the identifier of the content.

The Broadcaster MAC Address subfield includes the MAC address of the AP from which the EBCS traffic

stream is currently being received.

The Requested Time to Termination subfield indicates the period in number of TBTTs during which the eBCS

identified by the Content ID included in the same Enhanced Broadcast Services Request Tuples subfield is being

requested.