IEEE P802.11
Wireless LANs

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| 802.11bc LB257 – Resolution for CID 2075 |
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| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Antonio de la Oliva | Interdigital Ltd, UC3M |  |  | aoliva@it.uc3m.es |
| Xiaofei Wang | Interdigital Ltd |  |  |  |

 Abstract

This submission proposes resolutions for the following CIDs submitted during LB257 for 11bc D2.0: 2075

This document addresses the lack of information on the Time to Termination, EBCS SP duration and EBCS SP Interval in the Enhanced Broadcast Services Response ANQP-element.

This contribution uses D2.1 as baseline.

##### 9.4.5.32 Enhanced Broadcast Services Response ANQP-element

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1. The Enhanced Broadcast Services Response ANQP-element provides a list of ~~zero~~ one or more enhanced
2. broadcast services that are available from a peer STA. The format of the Enhanced Broadcast Services
3. Response ANQP-element is defined in [Figure 9-839ab (Enhanced Broadcast Services Response ANQP-](#_bookmark131)
4. [element format](#_bookmark131)).

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| --- | --- | --- |
| Info ID | Length | Enhanced Broadcast Services Response Tuples(Optional) |

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24 Octets: 2 2 variable

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##### 26 Figure 9-839ab—Enhanced Broadcast Services Response ANQP-element format

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1. The Info ID and Length fields are defined in 9.4.5.1 (General). The Enhanced Broadcast Services Response
2. Tuples field, if present, contains one or more Enhanced Broadcast Services Response Tuple fields. The

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1. Enhanced Broadcast Services Response Tuple field is defined in [Figure 9-839ac (Enhanced Broadcast](#_bookmark132)
2. [Services Response Tuple format](#_bookmark132)).

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| --- | --- | --- | --- | --- | --- | --- |
|  | Response Control | Content ID | Broadcast Service Transmitting | Time To Termination | EBCS SP Duration | EBCS SP Interval |
| Octets | 1 | 1 | 1 | 0 or 3 | 0 or 2 | 0 or 2 |

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##### 40 Figure 9-839ac—Enhanced Broadcast Services Response Tuple format

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The presence of the Time To Termination, EBCS SP Duration and EBCS SP Interval subfields of an Enhanced Broadcast Services Response ANQP-element indicates the termination, duration and interval of an EBCS traffic stream that is on-going or being started as a response to receiving the request.

42 The format of the Response Control is shown in Fig. XX – Response Control field format:

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| --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B3-B7 |
|  | Time To Termination Present | EBCS SP Duration Present | EBCS SP Interval Present | Reserved |
| Bits: | 1 | 1 | 1 | 5 |

**Fig XX – Response Control field format**

A value 1 in the Time To Termination Present subfield indicates that a Time To Termination subfield is included in the same Enhanced Broadcast Services Response Tuple subfield. A value 0 indicates that the same Enhanced Broadcast Services Response Tuple subfield does not contain a Time To Termination subfield.

A value 1 in the EBCS SP Duration Present subfield indicates that an EBCS SP Duration subfield is included in the same Enhanced Broadcast Services Response Tuple subfield. A value 0 indicates that the same Enhanced Broadcast Services Response Tuple subfield does not contain an EBCS SP Duration subfield.

A value 1 in the EBCS SP Interval Present subfield indicates that an EBCS SP Interval subfield is included in the same Enhanced Broadcast Services Response Tuple subfield. A value 0 indicates that the same Enhanced Broadcast Services Response Tuple subfield does not contain an EBCS SP Interval subfield.

The Content ID subfield indicates the ID of the EBCS content stream.

The Broadcast Service Transmitting field indicates whether the EBCS traffic stream referenced by the

1. Content ID field is being transmitted. A value of 1 indicates that the traffic stream is being transmitted and a
2. value of 0 indicates that the traffic stream is not being transmitted. All other values are reserved.

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1. The Broadcast Service Transmitting field values are defined in [Table 9-340k (Broadcast Service](#_bookmark133)
2. [Transmitting field values).](#_bookmark133)

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##### 52 Table 9-340k—Broadcast Service Transmitting field values

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| --- | --- |
| **Value** | **Description** |
| 0 | A broadcast service is not being transmitted |
| 1 | A broadcast service is being transmitted |
| 2-255 | Reserved |

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The Time To Termination subfield indicates the requested period in number of TBTTs after which the EBCS traffic stream identified by the Content ID subfield included in the same Enhanced Broadcast Services Response Tuple subfield is terminated. The value 0 is reserved. An EBCS traffic stream identified by the Content ID subfield contained in an Enhanced Broadcast Services Response Tuple subfield has no specific termination time if the Enhanced Broadcast Services Response Tuple subfield contains no Time To Termination subfield.

The EBCS SP Duration subfield indicates the nominal duration of each EBCS service period in TUs.

The EBCS SP Interval subfield indicates the target interval between consecutive EBCS service periods for the EBCS traffic stream identified by the Content ID subfield in the same Enhanced Broadcast Services Response Tuple subfield in TUs.