IEEE P802.11
Wireless LANs

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| 802.11bc LB 257 resolution for CIDs assigned to Abhi (part 3) |
| Date: January 18, 2022 |
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 Abstract

This submission proposes resolutions for the following 2 comments submitted during LB 257 for 11bc D2.0: 2150, 2151

Revisions:

* Rev 0: Initial version of the document.

***TGbc Editor: The baseline for the proposed changes is 802.11bc D2.1 and text from 11-22/0042r3 (Abhishek Patil)***

* 1. **Supplementary information on purpose**

***TGbc Editor: please update the following bullet in this subclause as shown below:***

* [2150]Defines a mechanism to enable IEEE 802.11 stations to transmit and receive broadcast data, both in cases where the transmitter(s) and the receiver(s) are associated in an infrastructure BSS and when they are not; and a mechanism to enable uplink data to be relayed to a specified destination in an external network.

**4.3.31 Enhanced broadcast services**

***TGbc Editor: please update the following paragraph in this subclause as shown below:***

Enhanced broadcast services (EBCS) provides enhanced transmission and reception of broadcast data, both where there is an association between the transmitter and the receiver(s) in an infrastructure BSS and in cases where there is no association between transmitter and receiver(s). Further, EBCS provides a service in which an EBCS proxy affiliated with an EBCS [2150]STA can relay the contents of a higher layer payload received from an EBCS non-AP STA to a destination typically within an external network. The relaying EBCS proxy can embed additional information.

* + - 1. **EBCS proxy operation**

***TGbc Editor: please update the following paragraph in this subclause as shown below:***

[2150]An EBCS proxy is a logical component affiliated with an EBCS STA, which might be collocated with the EBCS STA, that can relay an HLP payload carried in an EBCS UL frame received by an EBCS STA to a destination specified in the frame, typically within an external network.

***TGbc Editor: please update the following NOTE in this subclause as shown below:***

[2150]NOTE 1 —The communication between an EBCS STA and its affiliated EBCS proxy and the communication between an EBCS proxy and a specified destination are out of scope of this standard.

***TGbc Editor: please add the following NOTE at the end of this subclause as shown below:***

[2150]NOTE – An operator can install one or more EBCS STAs at a certain location with the intention of only providing relaying service. In such a deployment scenario, the EBCS STAs won’t beacon or establish an infrastructure BSS.

**6.3.127.3.1 Function**

***TGbc Editor: please update the following paragraph in this subclause as shown below:***

[2150]This primitive indicates that an EBCS UL frame was received. It is valid only at an EBCS STA that is affiliated with an EBCS proxy and provides relaying service.

**11.55.3.1 General**

***TGbc Editor: please update the following paragraph in this subclause as shown below:***

The EBCS UL procedure allows a non-AP STA to transmit an EBCS UL frame with the expectation that there exists at least one EBCS [2150]STA that would relay the HLP payload carried in the frame to a destination specified in the frame.

**11.55.3.2** **EBCS UL operation at an EBCS receiver STA**[2150]

***TGbc Editor: please update the contents of this subclause as shown below:***

An EBCS [2150]STA that is affiliated with an EBCS proxy (see 4.5.12.2 (EBCS proxy operation) [2151]and 11.55.3.4 (EBCS UL operation at an EBCS proxy)) provides access to a relaying service in which the HLP payload carried in an EBCS UL frame received from an EBCS non-AP STA is relayed to a destination specified in the frame. [2150]

[2150]NOTE - An EBCS STA that provides relaying service can be an AP STA that has established its own infrastructure BSS or a STA that provides only relaying service without establishing an infrastructure BSS.

An EBCS AP that provides access to a relaying service shall have dot11EBCSRelayingServiceSupported equal to true. Otherwise dot11EBCSRelayingServiceSupported shall not be true. [2150]

[2151]

[2151]NOTE —An EBCS AP that relays an HLP payload to the specified destination via its EBCS proxy can be in an unassociated state with the non-AP STA that transmitted the EBCS UL frame carrying the HLP payload.

***TGbc Editor: please add the following subclause after 11.55.3.3 as shown below:***

**11.55.3.4 EBCS UL operation at an EBCS Proxy**[2151]

[2151]