IEEE P802.11
Wireless LANs

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| Proposed Text for Clause 4 |
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Abstract

This document describes the text proposal for clause 4.

**The baseline is D2.2.**

# Proposed text

### 4.3.31 Enhanced broadcast services (or under 4.5 ?)

***Add the subclause title for 4.3.31.1:***

### 4.3.31.1 General

Enhanced broadcast services (EBCS) provide transmission and reception of broadcast data in an

infrastructure BSS, both in cases where there is an association between the transmitter and the receiver(s)

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 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 into the higher layer payload.

When there is an association, EBCS provides additional means for protecting broadcast traffic and the

privacy of the stations receiving that traffic, including data origin authenticity.

***Add the following subclause 4.3.31.2:* [2214]**

### 4.3.31.2 EBCS DL

### 4.3.31.2.1 General

The EBCS DL provides a mechanism for an EBCS AP to broadcast one or more traffics to EBCS receivers with origin authenticity both in case where there is an association between the EBCS AP and the EBCS receivers.

### 4.3.31.2.1 EBCS traffic stream mapper [2145, 2171, 2117, 2116, 2280]

The EBCS traffic stream mapper is used to map multicast traffics to EBCS traffic streams. The EBCS traffic stream mapper locates at the entry of the DS (Figure 5-4 (Role-specific behavior block for a non-GLK AP)). It inspects the IP header and UDP header of the incoming multicast packets and assigns the EBCS traffic stream ID and the corresponding EBCS Content MAC address according to the configuration. The configuration for the EBCS traffic stream mapper defines each EBCS traffic stream ID and the corresponding source IP address, destination IP address and destinatinon UDP port of the multicast traffic. The configuration of the EBCS traffic stream mapper refers dot11EBCSTrafficStreamTable of an EBCS AP in the DS.

### 4.3.31.2.2 EBCS filter [2270, 2114, 2143, 2116, 2256]

The EBCS filter locates in the MAC data plane as shown in Figure 5-1 (MAC data plane architecture). It filters the received EBCS traffic streams by their EBCS Content MAC address according to the list of the user interested contents and reconstructs the MAC header. Details are described in 11.55.2.3 (EBCS DL operation at an EBCS receiver).

***Move clause 4.5.12 under 4.3.31:***

### ~~4.5.12~~ 4.3.31.3 EBCS relaying service