IEEE P802.11
Wireless LANs

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| Proposed Resolution: CIDs 5029, 5032, 5131 |
| Date: 2022-11-09 |
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Abstract

This document proposes a resolution for CIDs 5029, 5032, 5131.

The proposed resolutions shown below use Draft 4.0 as a basis.

Revisions:

- Rev 0: Initial version of the document.

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| **CID** | **Clause** | **Page/****Line** | **Comment** | **Proposed Change** | **Resolution** |
| 5029 | 11.55.2 | 80.26 | The text says that the octext xx, yy, and xx must be unique for EBCS UL traffic, but provides no mechanism by which independently operating non-AP STAs can ensure that they generate values not used by any other non-AP STA | Define a mechansim by which non-AP STAs can specify or obtain unique values or change language to remove the "must" to indicate that non-AP STAs should endeavor to generate unique values. | RevisedComment highlights an inconsistency in descriptions of destination-based filtering that leads to a lack of clarity. Proposed changes resolve the inconsistency and clarify the related provisioning behavior.**Editor: Please reflect the changes in document 802.11-22-1938r0 that are labeled 5029.** |
| 5032 | 11.55.3.8 | 86.52 | The sentence "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" suggests that the requirement for association is tied to the AP rather than to specific EBCS trafffic streams. | Rephrase as "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 assocation is not required for those streams." | Revised Agree in principle. Changes shown below are in line with commenter’s proposal.**Editor: Please reflect the changes in document 802.11-22-1938r0 that are labeled 5032.** |
| 5131 | 3.2 | 24.26 | "ID" is used in the definition and "identifier" is used for the definition for content identifier. Consistent definitions should be used. | as in comment | Revised Agree in principle. Changes shown below are in line with commenter’s proposal.**Editor: Please reflect the changes in document 802.11-22-1938r0 that are labeled 5131.** |

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**\*\*\*\* Editor: Please update the following Clauses as shown below: \*\*\*\***

**11.55.2 EBCS addressing**

…

[5029]For EBCS UL frames,

— octets xx, yy and zz are populated by the EBCS non-AP STA to a set of provisioned values that corresponds to the UL traffic stream.

NOTE—Although the octets xx and yy for EBCS DL traffic are expected to be set to a combination of values that are unique to the coverage area where the content is being broadcast, the uniqueness of the octets xx and yy is not guaranteed. It is recommended that the octets xx, yy, and zz for EBCS UL traffic be provisioned in EBCS non-AP STAs to values that are unique for each UL traffic stream. EBCS UL and EBCS Data frames can be differentiated because the EBCS UL frame is a management frame while the EBCS Data frame is a Data frame.

**4.3.31.3.2 EBCS proxy operation**

…

For example, an AP vendor (or an operator), that has one or more APs deployed at a certain venue (such as an airport or a hotel) can establish a business relationship with one or more cloud providers (such as the one that specializes in baggage tracking or logging of sensor data). The AP vendor (or the operator) can configure (default) rules at an EBCS proxy (which is affiliated with the APs at the venue) for providing the relaying service while additional (destination specific) rules are setup based on the service agreement with the cloud provider. Based on these rules an EBCS proxy determines whether to relay the HLP carried in an EBCS UL frame that it receives. For example, if it receives an EBCS UL frame [5029]with a destination that is not part of any agreement, then based on local policies, it will not relay the HLP carried in the frame. Similarly, if the authentication of the EBCS UL frame fails, then based on the relationship with the entity at the specified destination, it will not relay the HLP carried in the frame.

**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 [5032]association is not required to receive those streams. 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.

**3.2 Definitions specific to IEEE Std 802.11**

**content identifier (ID):** An identifier of an EBCS traffic stream

…

**enhanced broadcast services (EBCS) access point (AP) group identifier (ID):** An [5131] identifier of an EBCS AP group that can be used by EBCS receivers to filter EBCS traffic streams.