IEEE P802.11
Wireless LANs

|  |
| --- |
| Identifier Status Codes |
| Date: 2023-01-14 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Kurt Lumbatis | Commscope |  |  | Kurt.Lumbatis@commscope.com |
|  |  |  |  |  |

Abstract

This document proposes changes to IEEE P802.1bh D0.2 to add an Identifier Status field and define its values in order to address CIDs 4 & 26 written against 12.2.11. Once these proposed changes are accepted, they will be incorporated into IEEE 802.11-22/1329 and brought for motion to be accepted.

Revisions:

• Rev 0 – Initial version of the document

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbh D0.2 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbh D0.2 Draft. (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbh Editor: Editing instructions preceded by “TGbh Editor” are instructions to the TGbh editor to modify existing material in the TGbh draft. As a result of adopting the changes, the TGbh editor will execute the instructions rather than copy them to the TGbh Draft.***

| **CID** | **Commenter** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- |
| 4 | Jay Yang | "AP sends a new identifier", before AP send a new one, AP shall verify the old one, need to add verification sucessful and failure case. | as the comments | Revised: |
| 26 | Okan Mutgan | Generally speaking, device ID verification (fail ,success) should be considered in the protocol. | as the comment | Revised: |

# Proposed text(Proposed text modifications are based on IEEE P802.11bh D0.2)

TGbh editor: Make the following changes:

***Replace Figure 9-1002a with the following:***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | IdentifierStatus | IDBlob |
| Octets | 1 | 1 | 1 | 1 | Variable |

***Add the following paragraphs prior to the definition of the ID Blob in 9.4.2.296a -- Device ID element.***

**The Identifier Status field indicates the current status of the ID Blob.**

**When sent from a non-AP STA to an AP, the Identifier Status field shall always be zero.**

**The Identifier Status field when sent from an AP to a non-AP STA shall contain one of the following values:**

|  |  |  |
| --- | --- | --- |
| **Identifier Status** | **Name** | **Meaning** |
| **0** | **Acknowledge** | **Indicates the identifier was recognized by the AP.** |
| **1** | **Not Recognized** | **Indicates the identifier was not recognized by the AP.** |
| **2-255** | **Reserved** |  |

**Table 9-1002a**

***Replace Figure 12-48a—Device ID KDE format with the following:***

|  |  |  |
| --- | --- | --- |
|  | Identifier Status | ID Blob |
| Octets | 1 | Variable |

***Add the following Text in 12.7.2 EAPOL-Key frames prior to the description of the ID Blob:***

**The Identifier Status is defined in 9.4.2.296a.**

# ****Motion to Adopt****

The text contained in this document shall be incorporated into the next revision of IEEE P802.11bh.

**References:**

**IEEE 802.11-22/2186r1**

**IEEE 802.11-22/1329r11**

**IEEE P802.1bh D0.2**