If IEEE P802.11
Wireless LANs

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| --- |
| Identifier Status Codes |
| Date: 2023-02-21 |
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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:

* R1 -- Initial Revisions
* R2 – Edits based on comments from Carol Ansley
* R3 – Add Straw Poll. Updated text per the meeting of 1/17/2023.
* R4 – Update Comment resolution text.
* R5 – Updates per meeting of 02/21/2023

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:TGbh Editor: Incorporate the text changes in 11-22-1329r15, and 11-23-0083-05. |
| 26 | Okan Mutgan | Generally speaking, device ID verification (fail ,success) should be considered in the protocol. | as the comment | Revised:TGbh Editor: Incorporate the text changes in 11-22-1329r15, and 11-23-0083-05. |

# 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 Identifier.**

**When sent from a non-AP STA to an AP, the Identifier Status field is reserved.**

**When sent from an AP to a Non-AP STA, the Identifier Status field contains one of the following values:**

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

**Identifier Status Values 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 field is defined in 9.4.2.296a.References:**

**IEEE 802.11-22/2186r1**

**IEEE 802.11-22/1329r15**

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