IEEE P802.11  
Wireless LANs

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| Revisions to RSN Extension Element | | | | |
| Date: 2023-03-15 | | | | |
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|  |  |  |  |  |

Abstract

This document proposes resolutions to TGbh CC41 CIDs 5 and 62.

Revisions:

* Rev 0 – Initial version of the document
* Rev 1 – Significant change (and simplification) of resolution to CID 5.
* Rev 2 – Marked resolution of CID 5 (Annex C.3) green (ready for motion), after TG review.

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.***

**Comments:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Page | Line | Clause | Comment | Proposed Change |
| 5 | 26 | 28 | 12.7.1 | "the AP sends a new identifier in the EAPOL-Key message 3/4." Need to define MIB to save and obtain the identifier locally on both side | as the comments. |
| 62 |  |  | B | PICS updates are missing | Add the PICS statements |

# Discussion

Upon review and discussion of the proposed resolution to CID 5 by TGbh (at the March 2023 face-to-face), direction was proposed to make this facility configuration similar to items in the Station Config. It is noted that many values in the Station Config are “per-SSID”, and the SME is responsible for management of setting these attributes appropriately for a particular ESS with which the STA is interacting. Thus, the mechanism and details of saving a set of Device IDs each associated with a particular network (SSID, likely) is left to the implementation, for non-AP STAs.

Similarly, for an AP, the allocation of and tracking of a list of allocated Device IDs is left as implementation-specific.

# Proposed text

TGbh editor: Make the following changes in Annex B.4.4.1.

***Insert the row at the end of B.4.4.1 (MAC protocol capabilities)***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Protocol Capability** | **References** | **Status** | **Support** |
| PC<ANA> | Device ID | 12.2.11 (Device ID indication) | CFAP OR  CFSTAofAP:  O | Yes  No  |

TGbh editor: Make the following changes in Annex C.3.

***Insert at the end of Dot11StationConfigEntry, as indicated:***

Dot11StationConfigEntry ::= SEQUENCE

{

.

.

.

dot11MSCSActivated TruthValue,

dot11LocalMACAddressPolicyActivated TruthValue,

dot11BSSMaxIdlePeriodIndicationByNonAPSTA TruthValue,

dot11DeviceIDActivated TruthValue,

dot11DeviceId OCTET STRING

***Insert at the end of the dot11StationConfigEntry section:***

dot11DeviceID OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable.

It is written by the SME.

Changes take effect as soon as practical in the implementation.

This attribute is written by the SME to store the Device ID provided by an AP for the current SSID.”

::= { dot11StationConfigEntry <ANA> }

**References:**