IEEE P802.11
Wireless LANs

|  |
| --- |
| Revisions to RSN Extension Element |
| Date: 2023-03-14 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Mark Hamilton | Ruckus/CommScope |  |  | mark.hamilton@commscope.com |
|  |  |  |  |  |

Abstract

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

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.***

**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 |

# 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 ORCFSTAofAP:O | Yes  No  |

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

***Add the following rows to the dot11smt OBJECT, as indicated***

-- (11ay)dot11EDMGSTAConfigTable ::= { dot11smt 44 }

-- (11ba)dot11WURStationConfigTable ::= { dot11smt 45 }

-- dot11DeviceIDTable ::= { dot11smt <ANA> }

-- dot11APDeviceIDTable ::= { dot11smt <ANA> }

***Insert the following text after the dot11STACivicLocationConfig section***

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* dot11DeviceID TABLE

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

dot11DeviceIDTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11DeviceIDTableEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

“When Device ID is activated on a non-AP STA, this table is used to store

Device IDs and corrolate each Device ID to an SSID.”

::= { dot11smt <ANA> }

dot11DeviceIDEntry OBJECT-TYPE

SYNTAX Dot11DeviceIDEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry (conceptual row) in the Device ID Table"

INDEX { dot11DeviceIDIndex }

::= { dot11DeviceIDTable 1 }

Dot11DeviceIDEntry ::=

SEQUENCE {

dot11DeviceIDIndex Unsigned32,

dot11DeviceIDSSID OCTET STRING,

dot11DeviceIdentifier OCTET STRING}

dot11DeviceIDIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The auxiliary variable used to identify instances of the columnar

objects in the Device ID table."

::= { dot11DeviceIDEntry 1 }

dot11DeviceIDSSID OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..32))

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 indicate the SSID for which a Device ID

Is valid.”

::= { dot11DeviceIDEntry 2 }

dot11DeviceIdentifier 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 given SSID.”

::= { dot11DeviceIDEntry 3 }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* End of dot11DeviceID TABLE

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* dot11APDeviceID TABLE

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

dot11APDeviceIDTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11APDeviceIDTableEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

“When Device ID is activated on an AP, this table is used to store

Device IDs recognized for non-AP STAs.”

::= { dot11smt <ANA> }

dot11APDeviceIDEntry OBJECT-TYPE

SYNTAX Dot11APDeviceIDEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry (conceptual row) in the AP Device ID Table"

INDEX { dot11APDeviceIDIndex }

::= { dot11APDeviceIDTable 1 }

Dot11APDeviceIDEntry ::=

SEQUENCE {

dot11APDeviceIDIndex Unsigned32,

dot11STADeviceIdentifier OCTET STRING}

dot11APDeviceIDIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The auxiliary variable used to identify instances of the columnar

objects in the AP Device ID table."

::= { dot11APDeviceIDEntry 1 }

dot11STADeviceIdentifier 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 an external management entity or the SME to store the Device IDs recognized by an ESS.”

::= { dot11APDeviceIDEntry 2 }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* End of dot11APDeviceID TABLE

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**References:**