IEEE P802.11
Wireless LANs

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| 11bi D0.4 CR for MIB |
| Date: 2024-07-12 |
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|  |  |  |  |  |

Abstract

This submission proposes resolutions for the following CIDs:

1497

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 TGbi D0.4 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbi D0.4 Draft. (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents). TGbi Editor: Editing instructions preceded by “TGbi Editor” are instructions to the TGbi editor to modify existing material in the TGbi draft. As a result of adopting the changes, the TGbi editor will execute the instructions rather than copy them to the TGbi Draft.***

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| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **P.L** | **Comment** | **Proposed Change** | **Resolution** |
| 1497 | Mark RISON | C.3 | 0.00 | Not all the MIB attributes mentioned in numeric clauses appear in C.3 | As it says in the comment | Revised – Agree in principle with the commenter. TGbi editor to make the changes shown in 11-24/1249r0 under all headings that include CID 1497 |

**Discussion:**

**Proposal:**

*TGbi editor: Modify Clause C.3 as follows (track change on): (#1497)*

*

**ASN.1 encoding of the MAC and PHY MIB**

* MIB detail

***add new entry to "Dot11StationConfigEntry" as follows (not all lines shown):***

Dot11StationConfigEntry ::=

 SEQUENCE {

 …….

 dot11EPDPKEActivated TruthValue,(#68r4)

 dot11GroupEpochActivated TruthValue,(#604r11)

 dot11EpochStartTimeMargin Unsigned32,(#604r11)

 dot11EpochTransitionTime Unsigned32,(#604r11)

 dot11EDPRobustIndividuallyAddressedManagementFrameActivated TruthValue,

 dot11EDPCapabilitiesAndOperationParametersRequestResponseActivated TruthValue,

 dot11EDPEncryptionOfTheReAssociationFrameSupportActivated TruthValue,

 dot11EDPIEEE8021XAuthenticationUtilizingAuthenticationFrameActivated TruthValue,

 dot11EDPPMKSACachingPrivacySupportActivated TruthValue

 }

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

-- \* dot11StationConfig TABLE

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

dot11EPDKEActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect for the next MLME-START.request primitive or MLME JOIN.request primitive. This attribute indicates whether or not EPASN authentication is enabled."

DEFVAL {false}

::= { dot11StationConfigEntry <ANA>}

dot11GroupEpochActivated OBJECT-TYPE(#604r11)

 SYNTAX TruthValue

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "This is a control variable. It is written by an external management entity. This attribute, when true, indicates that the station capability of group epochs is enabled. False indicates that the capability is present but is disabled."

 DEFVAL { false }

::= { dot11StationConfigEntry <ANA>}

dot11EpochStartTimeMargin OBJECT-TYPE

 SYNTAX Unsigned32 (1..100)

 UNITS "0.1 milliseconds"

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "This is a control variable. It is written by an external management entity or the SME. Changes take effect as soon as practical in the implementation.

This attribute indicates the duration when the STA receives individually addressed frames that use next epoch anonymiza tion parameters before an epoch boundary."

 DEFVAL {100}

::= { dot11StationConfigEntry <ANA>}

dot11EpochTransitionTime OBJECT-TYPE

 SYNTAX Unsigned32 (1..1000)

 UNITS "1 TUs"

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "This is a control variable.

 It is written by an external management entity or the SME. Changes take effect as soon as practical in the implementation.

 This attribute indicates the duration when the STA receives individually addressed frames that use previous epoch anonymization parameters after an epoch boundary."

DEFVAL {300}

::= { dot11StationConfigEntry <ANA>}

dot11EDPRobustIndividuallyAddressedManagementFrameActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect as soon as practical in the implementation. This attribute, when true, indicates the capability to support EDP robust individually addressed Management frame is enabled. The capability is disabled otherwise."

DEFVAL { false }

::= { dot11StationConfigEntry <ANA> }

dot11EDPCapabilitiesAndOperationParametersRequestResponseActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect for the next MLME-START.request primitive or MLME-JOIN.request primitive. This attribute, when true, indicates the capability to support capabilities and operation parameters request and response is enabled. The capability is disabled otherwise."

DEFVAL { false }

::= { dot11StationConfigEntry <ANA> }

dot11EDPEncryptionOfTheReAssociationFrameSupportActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect for the next MLME-START.request primitive or MLME-JOIN.request primitive. This attribute, when true, indicates the capability to support encryption of the (Re)Association frame is enabled. The capability is disabled otherwise."

DEFVAL { false }

::= { dot11StationConfigEntry <ANA> }

dot11EDPIEEE8021XAuthenticationUtilizingAuthenticationFrameActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect for the next MLME-START.request primitive or MLME-JOIN.request primitive. This attribute, when true, indicates the capability to support IEEE 802.1X authentication utilizing Authentication frame is enabled. The capability is disabled otherwise."

DEFVAL { false }

::= { dot11StationConfigEntry <ANA> }

dot11EDPPMKSACachingPrivacySupportActivated OBJECT-TYPE(#68r4)

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable. It is written by an external management entity or the SME. Changes take effect for the next MLME-START.request primitive or MLME-JOIN.request primitive. This attribute, when true, indicates the capability to support PMKSA caching privacy is enabled. The capability is disabled otherwise."

DEFVAL { false }

::= { dot11StationConfigEntry <ANA> }

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

-- \* End of dot11StationConfig TABLE

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