### IEEE P802.11Wireless LANs

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| 11be D2.0 CR for clause 6.3 part 1 |
| Date: 2022-08-01 |
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Abstract

This submission proposes resolutions for the following 9 CID:

CIDs:10198,10199,10200,10201,10202,10451,10886,10887,11793

Revisions:

* Rev 0: Initial version of the document.
* Rev 1:Offline discussion of CID 11793 with John and Yonggang.
* Rev 2:Modification on CID 11793.
* Rev 3:Revision for CID 10198

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 TGbe D2.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D2.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 10198 | John Wullert | 74.64 | 6.3.4.2.2 | The parameter dot11MultiLinkActivated is not defined in Annex C | Define parameter. Also, should this parameter be named dot11EHTMultiLinkActivated? | **Revised-**Agree with the commenter in principle.The definition should be added in Annex C.Since dot11MultiLinkActivated is more concise and there are some other EHT features that are not preceded by ‘EHT’(e.g. dot11RestrictedTWTOptionImplemented),it is fine to keep the original name ‘dot11MultiLinkActivated’.TGbe editor to make the changes under tag 10198 in 11-22-1308r4  |
| 10199 | John Wullert | 101.29 | 6.3.131.2.2 | Changes in Document 1317 replaced EDCA Parameter Set in the Enable Request frame with the Priority Access Multi-Link element. That change needs to be reflected in the MLME interface parameters as well. | Replace row with EDCAParameterSet with PriorityAccessMultiLink, as defined in 9.4.2.312.6 (Priority Access Multi-Link element) and replace EDCAParameterSet on line 18 with PriorityAccessMultiLink. | **Revised-**text related to EDCAParameterSet should be modified in MLME-EPCSPRIACCESSENABLE.request primitiveTGbe editor to make the changes under tag 10199 |
| 10200 | John Wullert | 102.13 | 6.3.131.3.2 | Changes in Document 1317 replaced EDCA Parameter Set in the Enable Response frame with the Priority Access Multi-Link element. That change needs to be reflected in the MLME interface parameters as well. | Replace row with EDCAParameterSet with PriorityAccessMultiLink, as defined in 9.4.2.312.6 (Priority Access Multi-Link element) and replace EDCAParameterSet on line 65 of page 101 with PriorityAccessMultiLink. | **Revised-**text related to EDCAParameterSet should be modified in MLME-EPCSPRIACCESSENABLE.confirm primitiveTGbe editor to make the changes under tag 10199 |
| 10201 | John Wullert | 102.62 | 6.3.131.4.2 | Changes in Document 1317 replaced EDCA Parameter Set in the Enable Request frame with the Priority Access Multi-Link element. That change needs to be reflected in the MLME interface parameters as well. | Replace row with EDCAParameterSet with PriorityAccessMultiLink, as defined in 9.4.2.312.6 (Priority Access Multi-Link element) and replace EDCAParameterSet on line 50 with PriorityAccessMultiLink. | **Revised-**text related to EDCAParameterSet should be modified in MLME-EPCSPRIACCESSENABLE.indication primitiveTGbe editor to make the changes under tag 10199 |
| 10202 | John Wullert | 103.42 | 6.3.131.5.2 | Changes in Document 1317 replaced EDCA Parameter Set in the Enable Response frame with the Priority Access Multi-Link element. That change needs to be reflected in the MLME interface parameters as well. | Replace row with EDCAParameterSet with PriorityAccessMultiLink, as defined in 9.4.2.312.6 (Priority Access Multi-Link element) and replace EDCAParameterSet on line 29 with PriorityAccessMultiLink. | **Revised-**text related to EDCAParameterSet should be modified in MLME-EPCSPRIACCESSENABLE.response primitiveTGbe editor to make the changes under tag 10199 |
| 10451 | Yonggang Fang | 101.18 | 6.3.131.2.2 | EDCAParameterSet is inconsistent with the subclause "9.6.35.5 EPCS Priority Access Enable Request frame format" | Please change to Priority Access Multi-Link element.Please change in other subclause as well: 6.3.131.3.2, 6.3.131.4.2, 6.3.131.5.2 | **Revised-**text related to EDCAParameterSet should be modified in MLME-EPCSPRIACCESSENABLE.request/confirm/indication/response primitiveTGbe editor to make the changes under tag 10199 |
| 10886 | Yousi Lin | 101.44 | 6.3.131.2.4 | What is "EPCS Priority Access Request"? | as in comment | **Revised-**It is a typo and should be modified to ‘EPCS Priority Access Enable Request’.TGbe editor to make the changes under tag 10886 |
| 10887 | Yousi Lin | 103.09 | 6.3.131.4.4 | What is "EPCS Priority Access Request"? | as in comment | **Revised-**It is a typo and should be modified to ‘EPCS Priority Access Enable Request’.TGbe editor to make the changes under tag 10886 |
| 11793 | Subir Das | 101.29 | 6.3.131.2 | EDCA parameter set in MLME-EPCSPRIACCESSENABLE.request primitive should be optional | Description should capture that this parameter is optionally present. | **Revised-**EDCA parameter set has been changed to priority access multi-link element.Relvant description should be modified in the parameter PriorityAccessMultiLink.TGbe editor to make the changes under tag 11793 |

***Change Dot11EHTStationConfigEntry as follows :***

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

-- \* dot11EHTStationConfig TABLE

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

Dot11EHTStationConfigEntry ::=

SEQUENCE {

dot11EHTPPEThresholdsRequired TruthValue,

dot11TIDtoLinkMappingActivated TruthValue,

dot11EHTEPCSPriorityAccessActivated TruthValue,

dot11MSDTimerDuration Unsigned32,

dot11MSDTXOPMAX Unsigned32,

dot11MultiLinkActivated TruthValue(#10198)

}.

***Insert the following after the dot11MSDTXOPMAX OBJECT-TYPE in the dot11EHTStationConfig TABLE:***

dot11MultiLinkActivated OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

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 that the multi-link feature is currently operational. This attribute, when false or not present, indicates that the multi-link feature is currently not operational."

DEFVAL { false }

::= { dot11EHTStationConfigEntry <Last assigned + 1> }(#10198)

#### 6.3.131.2 MLME-EPCSPRIACCESSENABLE.request

***Change the primitive parameters as follows:***

**6.3.131.2.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-EPCSPRIACCESSENABLE.request(

PeerSTAAddress,

Dialog Token,

PriorityAccessMultiLink(#10199))

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Valid range | Description |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity with which the EPCS priority access procedure is performed. |
| Dialog Token | Integer | 0–255 | The dialog token to identify the EPCS priority access procedure. |
| (#10199)PriorityAccessMultiLink  | (#10199)Priority Access Multi-Link element | As defined in 9.4.2.312.6 (Priority Access Multi-Link element)(#10199) | Specifies (#10199)EDCA Parameter sets used by EPCS priority access .(#11793)This parameter is optionally present if the primitive is generated by an AP MLD,and not present otherwise(see 35.17.2.2 Setup procedures for EPCS priority access). |

**6.3.131.2.4 Effect of receipt**

This primitive initiates transmission of an EPCS Priority Access Enable (#10886)Request frame to the peer MAC entity.

#### 6.3.131.3 MLME-EPCSPRIACCESSENABLE.confirm

***Change the primitive parameters as follows:***

**6.3.131.3.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-EPCSPRIACCESSENABLE.confirm(

PeerSTAAddress,

Dialog Token,

Status Code,

PriorityAccessMultiLink(#10199) )

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Valid range | Description |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity with which the EPCS priority access procedure is performed. |
| Dialog Token | Integer | 0–255 | The dialog token to identify the EPCS priority access procedure. |
| Status Code | As defined in frame format | As defined in 9.4.1.9 (Status Code field) | Indicates the status of the request procedure |
| (#10199)PriorityAccessMultiLink  | (#10199)Priority Access Multi-Link element | As defined in 9.4.2.312.6 (Priority Access Multi-Link element)(#10199) | Specifies EDCA Parameter sets used by EPCS priority access .(#10199) |

#### 6.3.131.4 MLME-EPCSPRIACCESSENABLE.indication

***Change the primitive parameters as follows:***

**6.3.131.4.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-EPCSPRIACCESSENABLE.indication(

PeerSTAAddress,

Dialog Token,

PriorityAccessMultiLink(#10199))

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Valid range | Description |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity with which the EPCS priority access procedure is performed. |
| Dialog Token | Integer | 0–255 | The dialog token to identify the EPCS priority access procedure. |
| (#10199)PriorityAccessMultiLink  | (#10199)Priority Access Multi-Link element | As defined in 9.4.2.312.6 (Priority Access Multi-Link element)(#10199) | Specifies EDCA Parameter sets used by EPCS priority access .(#10199) |

**6.3.131.4.4 Effect of receipt**

The SME is notified of the receipt of an EPCS Priority Access Enable Request(#10886).

#### 6.3.131.5 MLME-EPCSPRIACCESSENABLE.response

***Change the primitive parameters as follows:***

**6.3.131.5.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-EPCSPRIACCESSENABLE.response(

PeerSTAAddress,

Dialog Token,

Status Code,

PriorityAccessMultiLink(#10199))

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Valid range | Description |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity with which the EPCS priority access procedure is performed. |
| Dialog Token | Integer | 0–255 | The dialog token to identify the EPCS priority access procedure. |
| Status Code | As defined in frame format | As defined in 9.4.1.9 (Status Code field) | Indicates the status of the request procedure |
| (#10199)PriorityAccessMultiLink  | (#10199)Priority Access Multi-Link element | As defined in 9.4.2.312.6 (Priority Access Multi-Link element)(#10199) | Specifies (#10199)EDCA Parameter sets used by EPCS priority access .(#11793)This parameter is optionally present if the primitive is generated by an AP MLD,and not present otherwise(see 35.17.2.2 Setup procedures for EPCS priority access). |