IEEE P802.11 Wireless LANs

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| Resolution for CIDs 2353, 2362 and 2363 |
| Date: April 30, 2022 |
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 Abstract

This submission proposes resolutions for CIDs 2353, 2362 and 2363.

Revisions:

* Rev 0: Initial version of the document.

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| **CID** | **Section** | **Pg/Ln** | **Comment** | **Proposed Change** |
| 2353 | 6.3.3.3.2 | 393/12 | The definition of HE BSS is missing. Please add it. | as in comment |
|  |  |  |  |  |

**Discussion**

In 802.11 baseline, BSS is defined as follows:

basic service set (BSS): A set of stations (STAs) that have successfully synchronized using the MLMEJOIN.request service primitive and one STA that has used the MLME-START.request primitive.

Alternatively, a set of STAs that have used the MLME-START.request primitive specifying matching mesh profiles where the match of the mesh profiles has been verified via the scanning procedure. Membership in a BSS does not imply that wireless communication with all other members of the BSS is possible.(#238)

But the baseline spec mentions: HT BSS, non-HT BSS, VHT BSS, TVHT BSS, WUR BSS, etc. without definition.

Should we assume the definition of HE BSS: A HE BSS is a BSS which supports HE operation?

**Proposed Resolution**

TBD

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| **CID** | **Section** | **Pg/Ln** | **Comment** | **Proposed Change** |
| 2362 | 6.3 | 371/50 | Missing MU EDCA Reset interface for Actin frame in MLME SAP | Please add the interface of MU EDCA Reset in MLME SAP |
|  |  |  |  |  |

**Discussion**

The MU EDCA Reset primitives are missing in clause 6.3

**Proposed Resolution**

Revised.

Agree in principle with the comment. Please make the changes in this document for CID 2362 as described below

**Proposed Specification Text**

***TGme Editor: Please add following text.***

**6.3.xxx MU EDCA Reset (#2362)**

**6.3.xxx.1 Introduction**

The following primitives support MU EDCA Reset operation.

**6.3.xxx.2 MLME-MUEDCARESET.request**

**6.3.xxx.2.1 Function**

This primitive is generated by the SME to request a MU EDCA Reset action frame to be sent to a peer MAC entity.

**6.3.xxx.2.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-MUEDCARESET.request (

PeerSTAAddress,

Dialog Token,

MU EDCA Control

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity or the broadcast address to which the MU EDCA Reset action frame is sent.  |
| Dialog Token | Integer | 0–255 | The dialog token to identify the MU EDCA Reset procedure. |
| MU EDCA control  | As defined in MU EDCA Control field | As defined in 9.6.32.3 (MU EDCA Reset frame format) | Specifies MU EDCA timers to be reset.  |

**6.3.xxx.2.3 When generated**

The primitive is generated by the SME to request a MU EDCA Reset action frame to be sent to a peer MAC entity.

**6.3.xxx.2.4 Effect of receipt**

The primitive initiates a transmission of a MU EDCA Reset action frame to be sent to a peer MAC entity.

**6.3.xxx.3 MLME-MUEDCARESET.indication**

**6.3.xxx.3.1 Function**

The primitive indicates that a MU EDCA Reset action frame has been received.

**6.3.xxx.3.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-MUEDCARESET.indication (

PeerSTAAddress,

Dialog Token,

MU EDCA Control

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity or the broadcast address from which the MU EDCA Reset action frame is received.  |
| Dialog Token | Integer | 0–255 | The dialog token to identify the MU EDCA Reset procedure. |
| MU EDCA Control  | As defined in MU EDCA Control field | As defined in 9.6.32.3 (MU EDCA Reset frame format) | Specifies MU EDCA timers to be reset.  |

**6.3.xxx.3.3 When generated**

This primitive is generated by the MLME when a MU EDCA Rest action frame is received.

**6.3.xxx.3.4 Effect of receipt**

On receipt of this primitive, the SME uses the information contained within the reset frame.

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| **CID** | **Section** | **Pg/Ln** | **Comment** | **Proposed Change** |
| 2363 | 6.3 | 371/50 | Missing HE BSS Color Change Announcement interface for Action frame in MLME SAP | Please add the interface of HE BSS Color Change Announcement in MLME SAP |
|  |  |  |  |  |

**Discussion**

The HE BSS Color Change Announcement primitives are missing in clause 6.3

**Proposed Resolution**

Revised.

Agree in principle with the comment. Please make the changes in this document for CID 2363 as described below

***TGme Editor: Please add following text.***

**6.3.yyy HE BSS color change notification (#2363)**

**6.3.yyy.1 Introduction**

The following primitives support HE BSS color change notification operation.

**6.3.yyy.2 MLME-HEBSSCOLORCHNAGEANNOUNCE.request**

**6.3.yyy.2.1 Function**

The primitive requests the transmission of an HE BSS Color Change Announcement action frame to a peer MAC entity.

**6.3.yyy.2.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-HEBSSCOLORCHNAGEANNOUNCE.request (

PeerSTAAddress,

Dialog Token,

HE BSS Color Change Announcement

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity or the broadcast address to which the HE BSS color change announcement is sent.  |
| Dialog Token | Integer | 0–255 | The dialog token to identify the HE BSS color change announcement procedure. |
| HE BSS Color Change Announcement | As defined in HE BSS Color Change Announcement field | As defined in 9.4.2.254 (BSS Color Change Announcement element) | Specifies HE BSS color parameter that is changing.  |

**6.3.yyy.2.3 When generated**

This primitive is generated by the SME to request an HE BSS Color Change Announcement action frame be sent to a peer MAC entity.

**6.3.yyy.2.4 Effect of receipt**

The primitive initiates a transmission of an HE BSS Color Change Announcement action frame to the peer MAC entity.

**6.3.yyy.3 MLME-** **HEBSSCOLORCHNAGEANNOUNCE.indication**

**6.3.yyy.3.1 Function**

The primitive indicates that an HE BSS Color Change Announcement action frame has been received.

**6.3.yyy.3.2 Semantics of the service primitive**

The primitive parameters are as follows:

MLME-HEBSSCOLORCHNAGEANNOUNCE.indication (

PeerSTAAddress,

Dialog Token,

HE BSS Color Change Announcement

)

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| PeerSTAAddress | MAC address | Any valid individual MAC address | Specifies the address of the peer MAC entity or the broadcast address from which the HE BSS color change announcement is received.  |
| Dialog Token | Integer | 0–255 | The dialog token to identify the HE BSS color change announcement procedure. |
| HE BSS Color Change Announcement | As defined in HE BSS Color Change Announcement field | As defined in 9.4.2.254 (BSS Color Change Announcement element) | Specifies HE BSS color parameter that is changing.  |

**6.3.yyy.3.3 When generated**

The primitive is generated by the MLME when an HE BSS Color Change Announcement action frame is received.

**6.3.yyy.3.4 Effect of receipt**

On receipt of this primitive, the SME uses the information contained within the announcement.