IEEE P802.11
Wireless LANs

|  |
| --- |
| D2.0 Comment Resolution for CIDs on MLME SAP (Clause 6) |
| Date: 2017-11-08 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Jae Seung Lee | ETRI | 161 Gajeong-dong, Yuseong-gu, Daejeon, Korea | +82 42 860 1326 | jasonlee@etri.re.kr |
| Moon-Sik Lee | ETRI | 161 Gajeong-dong, Yuseong-gu, Daejeon, Korea | +82 42 860 5966 | moonsiklee@etri.re.kr |
| Yeong Jin Kim | ETRI | 161 Gajeong-dong, Yuseong-gu, Daejeon, Korea | +82 42 860 5617 | yjkim@etri.re.kr |

Abstract

This document proposes resolutions for following CIDs that are related to MLME SAP (Clause 6):

CIDs: 11362, 11363, 11907, 11908, 11926, 11927, 11928, 12351,13845,11929, 11930, 11931, 11109, 12335, 12336, and 1110.

Changes in the text refer to: Draft P802.11ax/D2.0 and Draft P802.11REVmd D0.4

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 TGax Draft. This introduction is not part of the adopted material.

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 11362 | 6.3.3.2 | 39 | 1 | MLME-SCAN.request should include HT/VHT/HE Capabilities since the Probe Request frames can carry these capabilities elements | Add HT/VHT/HE Capabilities to MLME-SCAN.request section | Reject. CID 3003 for D1.0 during the last round proposed the same change, but it has been rejected by the group and the resolution was as follows:“Agree with the commenter. however, the inconsistency originates from the baseline spec and REVmd is a better forum to fix it. Once TGmd has included HT/VHT Capabilities element, TGax can revisit this section and add HE Capabilities element.” |
| 11363 | 6.3.3.2 | 39 | 22 | Table should include other IEs (e.g., MU EDCA etc) which are present in Probe Response frame | As in comment | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 11907 | 6.3.3.3.2 | 39 | 52 | No reason is given why "UORA Parame- ter Set" is added into BSSDescriptionSet table of MLME-SCAN.request. | Please add text to explain why it is added into MLME-SCAN.request | Revise UORA Parameter Set is included in BSSDescriptionSet table of MLME-SCAN.confirm.D2.0 only describes when it is present and more description on the parameter is needed. See the proposed text change in 11-17/1766r0 |

**Proposed text changes (for CID 11363 and 11907)**:

***Change the table in Section 6.3.3.3.2 of TGax Draft D2.0 as follows: (P39L22)***

* + - 1. **MLME-SCAN.confirm**

**6.3.3.3.2 Semantics of the service primitive**

***Insert the following rows at the end of the BSSDescriptionSet(#10189) table:***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** | **IBSS adoption** |
| HE Capabilities | As defined in frame format | As defined in 9.4.2.237 (HE Capabilities element) | The value from HE Capabilities element. The parameter is present if dot11HEOptionImplemented is true and HE Capabilities element was present in the Probe Response or Beacon frame from which the BSSDescription was determined. Otherwise, the parameter is not present.(#5426, #7469, #7704) | Do not adopt |
| HE Operation | As defined in frame format | As defined in 9.4.2.238 (HE Operation element) | The value from HE Operation element. The parameter is present if dot11HEOptionImplemented is true and an HE Operation element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present.(#7704, #5427, #7470, #7294) | Adopt |
| TWT | As defined in frame format | As defined in 9.4.2.200 (TWT element) | The value from TWT element. The parameter is optionally present if dot11HEOptionImplemented is true, dot11TWTOptionActivated is true, and a TWT element was present in the broadcast Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present. | Do not adopt |
| UORA Parameter Set(#9270) | As defined in frame format | As defined in 9.4.2.239 (UL OFDMA-based Random Access (UORA) Parameter Set element) | The value from UORA Parameter Set element. The (#9270)parameter is optionally present if dot11OFDMARandom- AccessOptionImlemented is true and a UORA Parameter Set element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present.(#6002) | Do not adopt |
| BSS Color Change Announcement | As defined in frame format | As defined in 9.4.2.241 (BSS Color Change Announcement element) | The value from BSS Color Change Announcement element. The parameter is optionally present if dot11HEOptionImplemented is true and a BSS Color Change Announcement element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present. | Do not adopt |
| Spatial Reuse Parameter Set | As defined in frame format | As defined in 9.4.2.243 (Spatial Reuse Parameter Set element) | The value from Spatial Reuse Parameter Set element. The parameter is optionally present if dot11HEOptionImplemented is true and a Spatial Reuse Parameter Set element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present. | Do not adopt |
| MU EDCA Parameter Set | As defined in frame format | As defined in 9.4.2.240 (MU EDCA Parameter Set element) | The value from MU EDCA Parameter Set element. The parameter is optionally present if dot11HEOptionImplemented is true and a MU EDCA Parameter Set element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present. | Do not adopt |
| ESS Report(#5163) | As defined in frame format | As defined in 9.4.2.245 (ESS Report element) | The value from ESS Report element. The parameter is optionally present if dot11HEOptionImplemented is true and a ESS Report element was present in the Probe Response or Beacon frame from which the BSSDescriptionSet(#10189) was determined. Otherwise, the parameter is not present. | Do not adopt |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 11908 | 6.3.4.2 | 40 | 16 | Missing "HE Operation" element in MLME-JOIN.request. The Basic HE-MCS and NSS field is in HE Operation element, so to check them at the "Effect of recceipt" paragraph, requires it is included in the MLME-JOIN.request. | Add "HE Operation" into MLME-JOIN.request | Reject. MLME-JOIN.request is used by a non-AP STA and HE Operation is not included in it. The HE Operation parameter is obtained by the STA after scanning process. |
| 11926 | 6.3.7 | 40 | 48 | MLME-ASSOCIATE.request should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-ASSOCIATE.request | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 11927 | 6.3.7 | 40 | 48 | MLME-ASSOCIATE.confirm should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-ASSOCIATE.confirm | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 11928 | 6.3.7 | 40 | 48 | MLME-ASSOCIATE.response should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-ASSOCIATE.response | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 12351 | 6.3.7.4.2 | 40 | 53 | TWT element is missing. | Add it for TWT negotiation. Add it also for reassociation | Reject.802.11ah already included TWT element in MLME-ASSOCIATE.indication and it Is not necessary to update it. |
| 13845 | 6.3.7.4.2 | 41 | 10 | It is not clear "parameter" in the sentence of "Theparameter is present if it is present in the Association Request frame received from the STA" Does it mean the "parameters" in HE Capabilities, or HE Capabilities element itself? Also what does the "it" refer to? | Please clarify | Reject.Since “the parameter” is in the singular form, it means “HE Capabilities”. Similar sentences are used in the baseline to describe HT Capabilities or VHT Capabilities. |
| 11929 | 2.6.3.8 | 41 | 18 | MLME-REASSOCIATE.request should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-REASSOCIATE.request | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 11930 | 2.6.3.8 | 41 | 18 | MLME-REASSOCIATE.confirm should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-REASSOCIATE.confirm | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |
| 11931 | 2.6.3.8 | 41 | 18 | MLME-REASSOCIATE.response should include 11ax related parameters such as HE Capabilities. | Add 11ax related parameters such as HE Capabilities to MLME-REASSOCIATE.response | Revise.Agree with the commenter.See the proposed text change in 11-17/1766r0 |

**Proposed text changes (for CID 11926, 11927, 11928, 11929, 11930, and 11931)**:

***Amend Clause 6.3.7.2.2 of P802.11REVmd D0.4 as follows:***

* + - 1. **MLME-ASSOCIATE.request**

**6.3.7.2.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-ASSOCIATE.request(

...,

HE Capabilities,

VendorSpecificInfo

)

***Insert the following row into the parameter table in 6.3.7.2.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |

***Amend Clause 6.3.7.3.2 of P802.11REVmd D0.4 as follows:***

* + - 1. **MLME-ASSOCIATE.confirm**

**6.3.7.3.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-ASSOCIATE.confirm(

...,

HE Capabilities,

HE Operation,

BSS Color Change Announcement,

Spatial Reuse Parameter Set,

MU EDCA Parameter Set,

UORA Parameter Set,

ESS Report,

VendorSpecificInfo

)

***Change the following row in the parameter table in 6.3.7.3.2 as shown below:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| TWT | TWT element | As defined in 9.4.2.200 (TWT element) | Specifies the parameters in the TWT element. This parameter is optionally present if dot11TWTOptionActivated is true and the TWT element is present in the Association Request frame that elicited the Association Response frame; The TWT element is optionally present if dot11TWTOptionActivated is true and the TWT Requester Support field(#7277) in the HE Capabilities element(#7330) in the Association Request frame that elicited the Association Response frame is 1; otherwise not present. |

***Insert the following rows into the parameter table in 6.3.7.3.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| HE Operation | As defined in HE Operation element | As defined in 9.4.2.238 (HE Operation element) | Provides additional information for operating the HE BSS. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| BSS Color Change Announcement | As defined in BSS Color Change Announcement element | As defined in 9.4.2.241 (BSS Color Change Announcement element) | Indicates information on BSS Color Change. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| Spatial Reuse Parameter Set | As defined in Spatial Reuse Parameter Set element | As defined in 9.4.2.243 (Spatial Reuse Parameter Set element) | Indicates parameters needed by STAs when performingOBSS\_PD-based spatial reuse. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| MU EDCA Parameter Set | As defined in MU EDCA Parameter Set element | As defined in 9.4.2.240 (MU EDCA Parameter Set element) | Indicates MU EDCA parameters. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| UORA Parameter Set | As defined in UORA Parameter Set element | As defined in 9.4.2.239 (UL OFDMA-based Random Access (UORA) Parameter Set element) | Indicates the metrics of the OFDMA-based random access mechanism. The (#9270)parameter is optionally present if dot11OFDMARandom- AccessOptionImlemented is true; otherwise not present. |
| ESS Report | As defined in ESS Report element | As defined in 9.4.2.245 (ESS Report element) | Provides information on ESS to assist BSS transition. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |

***Amend Clause 6.3.7.5.2 of P802.11REVmd D0.4 as follows:***

**6.3.7.5 MLME-ASSOCIATE.response**

**6.3.7.5.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-ASSOCIATE.response(

...,

HE Capabilities,

HE Operation,

BSS Color Change Announcement,

Spatial Reuse Parameter Set,

MU EDCA Parameter Set,

UORA Parameter Set,

ESS Report,

VendorSpecificInfo

)

***Change the following row in the parameter table in 6.3.7.5.2 as shown below:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| TWT | TWT element | As defined in 9.4.2.200 (TWT element) | Specifies the parameters in the TWT element. This parameter is optionally present if dot11TWTOptionActivated is true and the TWT element is present in the Association Request frame that elicited the Association Response frame; The TWT element is optionally present if dot11TWTOptionActivated is true and the TWT Requester Support field(#7277) in the HE Capabilities element(#7330) in the Association Request frame that elicited the Association Response frame is 1; otherwise not present. |

***Insert the following rows into the parameter table in 6.3.7.5.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| HE Operation | As defined in HE Operation element | As defined in 9.4.2.238 (HE Operation element) | Provides additional information for operating the HE BSS. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| BSS Color Change Announcement | As defined in BSS Color Change Announcement element | As defined in 9.4.2.241 (BSS Color Change Announcement element) | Indicates information on BSS Color Change. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| Spatial Reuse Parameter Set | As defined in Spatial Reuse Parameter Set element | As defined in 9.4.2.243 (Spatial Reuse Parameter Set element) | Indicates parameters needed by STAs when performingOBSS\_PD-based spatial reuse. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| MU EDCA Parameter Set | As defined in MU EDCA Parameter Set element | As defined in 9.4.2.240 (MU EDCA Parameter Set element) | Indicates MU EDCA parameters. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| UORA Parameter Set | As defined in UORA Parameter Set element | As defined in 9.4.2.239 (UL OFDMA-based Random Access (UORA) Parameter Set element) | Indicates the metrics of the OFDMA-based random access mechanism. The (#9270)parameter is optionally present if dot11OFDMARandom- AccessOptionImlemented is true; otherwise not present. |
| ESS Report | As defined in ESS Report element | As defined in 9.4.2.245 (ESS Report element) | Provides information on ESS to assist BSS transition. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |

***Amend Clause 6.3.8.2.2 of P802.11REVmd D0.4 as follows:***

**6.3.8.2 MLME-REASSOCIATE.request**

**6.3.8.2.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-REASSOCIATE.request(

...,

HE Capabilities,

VendorSpecificInfo

)

***Insert the following row into the parameter table in 6.3.8.2.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |

***Amend Clause 6.3.8.3.2 of P802.11REVmd D0.4 as follows:***

* + - 1. **MLME-REASSOCIATE.confirm**

**6.3.8.3.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-REASSOCIATE.confirm(

...,

HE Capabilities,

HE Operation,

BSS Color Change Announcement,

Spatial Reuse Parameter Set,

MU EDCA Parameter Set,

UORA Parameter Set,

ESS Report,

VendorSpecificInfo

)

***Change the following row in the parameter table in 6.3.8.3.2 as shown below:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| TWT | TWT element | As defined in 9.4.2.200 (TWT element) | Specifies the parameters in the TWT element. This parameter is optionally present if dot11TWTOptionActivated is true and the TWT element is present in the Association Request frame that elicited the Association Response frame; The TWT element is optionally present if dot11TWTOptionActivated is true and the TWT Requester Support field(#7277) in the HE Capabilities element(#7330) in the Association Request frame that elicited the Association Response frame is 1; otherwise not present. |

***Insert the following rows into the parameter table in 6.3.8.3.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| HE Operation | As defined in HE Operation element | As defined in 9.4.2.238 (HE Operation element) | Provides additional information for operating the HE BSS. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| BSS Color Change Announcement | As defined in BSS Color Change Announcement element | As defined in 9.4.2.241 (BSS Color Change Announcement element) | Indicates information on BSS Color Change. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| Spatial Reuse Parameter Set | As defined in Spatial Reuse Parameter Set element | As defined in 9.4.2.243 (Spatial Reuse Parameter Set element) | Indicates parameters needed by STAs when performingOBSS\_PD-based spatial reuse. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| MU EDCA Parameter Set | As defined in MU EDCA Parameter Set element | As defined in 9.4.2.240 (MU EDCA Parameter Set element) | Indicates MU EDCA parameters. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| UORA Parameter Set | As defined in UORA Parameter Set element | As defined in 9.4.2.239 (UL OFDMA-based Random Access (UORA) Parameter Set element) | Indicates the metrics of the OFDMA-based random access mechanism. The (#9270)parameter is optionally present if dot11OFDMARandom- AccessOptionImlemented is true; otherwise not present. |
| ESS Report | As defined in ESS Report element | As defined in 9.4.2.245 (ESS Report element) | Provides information on ESS to assist BSS transition. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |

***Amend Clause 6.3.8.5.2 of P802.11REVmd D0.4 as follows:***

**6.3.8.5 MLME-REASSOCIATE.response**

**6.3.8.5.2 Semantics of the service primitive**

***Change the primitive parameters as follows (not all existing parameters in the baseline are shown):***

The primitive parameters are as follows:

MLME-REASSOCIATE.response(

...,

HE Capabilities,

HE Operation,

BSS Color Change Announcement,

Spatial Reuse Parameter Set,

MU EDCA Parameter Set,

UORA Parameter Set,

ESS Report,

VendorSpecificInfo

)

***Change the following row in the parameter table in 6.3.8.5.2 as shown below:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| TWT | TWT element | As defined in 9.4.2.200 (TWT element) | Specifies the parameters in the TWT element. This parameter is optionally present if dot11TWTOptionActivated is true and the TWT element is present in the Association Request frame that elicited the Association Response frame; The TWT element is optionally present if dot11TWTOptionActivated is true and the TWT Requester Support field(#7277) in the HE Capabilities element(#7330) in the Association Request frame that elicited the Association Response frame is 1; otherwise not present. |

***Insert the following rows into the parameter table in 6.3.8.5.2 before the “VendorSpecificInfo” row:***

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Valid range** | **Description** |
| HE Capabilities | As defined in HE Capabilities element | As defined in 9.4.2.237 (HE Capabilities element) | Specifies the parameters in the HE Capabilities element that are supported by the STA. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| HE Operation | As defined in HE Operation element | As defined in 9.4.2.238 (HE Operation element) | Provides additional information for operating the HE BSS. The parameter is present if dot11HEOptionImplemented is true; otherwise not present. |
| BSS Color Change Announcement | As defined in BSS Color Change Announcement element | As defined in 9.4.2.241 (BSS Color Change Announcement element) | Indicates information on BSS Color Change. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| Spatial Reuse Parameter Set | As defined in Spatial Reuse Parameter Set element | As defined in 9.4.2.243 (Spatial Reuse Parameter Set element) | Indicates parameters needed by STAs when performingOBSS\_PD-based spatial reuse. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| MU EDCA Parameter Set | As defined in MU EDCA Parameter Set element | As defined in 9.4.2.240 (MU EDCA Parameter Set element) | Indicates MU EDCA parameters. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |
| UORA Parameter Set | As defined in UORA Parameter Set element | As defined in 9.4.2.239 (UL OFDMA-based Random Access (UORA) Parameter Set element) | Indicates the metrics of the OFDMA-based random access mechanism. The (#9270)parameter is optionally present if dot11OFDMARandom- AccessOptionImlemented is true; otherwise not present. |
| ESS Report | As defined in ESS Report element | As defined in 9.4.2.245 (ESS Report element) | Provides information on ESS to assist BSS transition. The parameter is optionally present if dot11HEOptionImplemented is true; otherwise not present. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 11109 | 6.3.11.2.3 | 42 | 20 | "The additional HE capabilities to be advertised for the BSS" - no they are not capabilities, but parameters that determine the operation of the HE BSS. | Replace with "Provides additional information for operating the HE BSS." - this follows the VHT language. | Accept. |
| 12335 | 6.3.11.2.4 | 42 | 34 | "MLME-JOIN.request" should be changed to "MLME-START.request" | as in the comment | ReviseThe current text is just copied text from MLME-JOIN.request. The text should be modified.See the proposed text change in 11-17/1766r0 |
| 12336 | 6.3.11.2.4 | 42 | 36 | "MLME-JOIN.confirm" should be changed to "MLME-START.confirm" | as in the comment | ReviseThe current text is just copied text from MLME-JOIN.request. The text should be modified.See the proposed text change in 11-17/1766r0 |

**Proposed text changes**: (CID 12335 and 12336)

***Change the sentence in Section 6.3.11.2.4 of TGax Draft D2.0 as follows: (P42L33)***

**6.3.11.2.4 Effect of receipt**

If the MLME of an HE STA receives an MLME-START.request primitive with a Basic HE-MCS And NSS Set field in the HE Operation parameter that contains any unsupported <HE-MCS, NSS> tuple, the MLME response in the resulting MLME-START.confirm primitive shall contain a ResultCode parameter that is not set to the value SUCCESS.(#7705)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 1110 | 6.3.27.3.2 | 42 | 50 | " You might want to check with TGmd, but I believe they are about to obsolete DLS.I suspect DLS won't work without changes to 11.7, which are absent. | Don't update any DLS material, except to add a statement (e.g. in 11.7) to deny use of DLS by an HE STA. | Revised.Agree with the commenter in principle.Editor to add following note to DLS related section in 802.11ax Draft (6.3.27 Management of direct links and9.6.4 DLS Action frame details) : “The use of DLS is obsolete, and support for such use might be subject to removal in a future revision of the standard.”Once DLS is deprecated byTGmd, TGax can revisit DLS related sections and delete them. |