IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | Editorial Check Against Baseline | | | | | | Date: 2020-10-27 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Youhan Kim | Qualcomm |  |  | youhank@qti.qualcomm.com | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission contains editorial fixes required on P802.11ax D7.1 to align with REVmd D5.0.

Review was done for Clause 18, 27 and Annex E.

Some known issues in Clause 9 are also addressed.

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version.

*All text changes are on 11ax D7.1*

At P137

**Table 9-36—Association Request frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 13 | HT Capabilities | The HT Capabilities element is present when dot11HighThrough putOptionImplemented is true and the STA is not a 6 GHz STA. |
| 22 | VHT Capabilities | The VHT Capabilities element is present when dot11VHTOptionIm plemented is true and the STA is not a 6 GHz STA. |
| 46 | HE Capabilities | The HE Capabilities element is present if dot11HEOptionImple mented is true; otherwise it is not present. |
| 47 | Channel Switch Timing | The Channel Switch Timing element is optionally present if dot11HE SubchannelSelectiveTransmissionImplemented is true; otherwise it is not present. |
| 48 | HE 6 GHz Band Capabilities | The HE 6 GHz Band Capabilities element is present if dot11HEOp tionImplemented and dot11HE6GOptionImplemented are true; other wise it is not present. |
| 49 | UL MU Power Capabilities | The UL MU Power Capabilities element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 50 | TWT Constraint Parameters | The TWT Constraint Parameters element is optionally present if dot11TWTOptionActivated is true; otherwise it is not present. |

At P138-139

**Table 9-37—Association Response frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 15 | HT Capabilities | The HT Capabilities element is present when dot11HighThrough putOptionImplemented is true and the STA is not a 6 GHz STA. |
| 16 | HT Operation | The HT Operation element is included by an AP and a mesh STA when dot11HighThroughputOptionImplemented is true and the STA is not a 6 GHz STA. |
| 29 | VHT Capabilities | The VHT Capabilities element is present when dot11VHTOptionIm plemented is true and the STA is not a 6 GHz STA. |
| 30 | VHT Operation | The VHT Operation element is present when dot11VHTOptionImple mented is true and the STA is not a 6 GHz STA, and is optionally pres ent if dot11HEOptionImplemented is true; otherwise, it is not present. |
| 40 | TWT | The TWT element is present if dot11TWTOptionActivated is true and the TWT element is present in the Association Request frame that elic ited the Association Response frame. The TWT element is optionally present if dot11TWTOptionActivated is true, dot11HEOptionImplemented is true, and the TWT Requester Support field in the HE Capabilities element in the Association Request frame that elicited this Association Response frame is 1. Otherwise, the TWT element is not present. If the TWT element is present in the Association Request frame that solicits the Association Response frame but the TWT element is not present in the Association Response frame then the STA can transmit another TWT request frame after association. |
| 57 | HE Capabilities | The HE Capabilities element is present if dot11HEOptionImple mented is true; otherwise it is not present. |
| 58 | HE Operation | The HE Operation element is present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 59 | BSS Color Change Announcement | The BSS Color Change Announcement element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 60 | Spatial Reuse Parameter Set | The Spatial Reuse Parameter Set element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 61 | MU EDCA Param eter Set | The MU EDCA Parameter Set element is present if dot11HEOption Implemented is true and dot11MUEDCAParametersActivated is true; otherwise, it is not present. |
| 62 | UORA Parameter Set | The UORA Parameter Set element is optionally present if dot11HE OptionImplemented is true; otherwise, it is not present. |
| 63 | ESS Report | The ESS Report element is optionally present. |
| 64 | NDP Feedback Report Parameter Set | The NDP Feedback Report Parameter Set element is optionally pres ent if dot11HEOptionImplemented is true; otherwise, it is not present. |
| 65 | HE 6 GHz Band Capabilities | The HE 6 GHz Band Capabilities element is present if dot11HEOp tionImplemented and dot11HE6GOptionImplemented are true. |
| 66 | TWT Constraint Parameters | The TWT Constraint Parameters element is optionally present if dot11TWTOptionActivated is true; otherwise it is not present. |

At P139

**Table 9-38—Reassociation Request frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 16 | HT Capabilities | The HT Capabilities element is present when dot11HighThrough putOptionImplemented is true and the STA is not a 6 GHz STA. |
| 27 | VHT Capabilities | The VHT Capabilities element is present when dot11VHTOptionIm plemented is true and the STA is not a 6 GHz STA. |
| 51 | HE Capabilities | The HE Capabilities element is present if dot11HEOptionImple mented is true; otherwise it is not present. |
| 52 | Channel Switch Timing | The Channel Switch Timing element is optionally present if dot11HE SubchannelSelectiveTransmissionImplemented is true; otherwise it is not present. |
| 53 | HE 6 GHz Band Capabilities | The HE 6 GHz Band Capabilities element is present if dot11HEOp tionImplemented and dot11HE6GOptionImplemented are true. |
| 54 | UL MU Power Capabilities | The UL MU Power Capabilities element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |

At P140

**Table 9-39—Reassociation Response frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| 16 | HT Capabilities | The HT Capabilities element is present when dot11HighThrough putOptionImplemented is true and the STA is not a 6 GHz STA. |
| 17 | HT Operation | The HT Operation element is included by an AP when dot11HighThroughputOptionImplemented is true and the AP is not a 6 GHz STA. |
| 32 | VHT Capabilities | The VHT Capabilities element is present when dot11VHTOptionIm plemented is true and the STA is not a 6 GHz STA. |
| 33 | VHT Operation | The VHT Operation element is present when dot11VHTOptionImple mented is true and the STA is not a 6 GHz STA, and is optionally pres ent if dot11HEOptionImplemented is true; otherwise, it is not present. |
| 43 | TWT | The TWT element is present if dot11TWTOptionActivated is true and the TWT element is present in the Reassociation Request frame that elicited this Reassociation Response frame. The TWT element is optionally present if dot11TWTOptionActivated is true, dot11HEOptionImplemented is true, and the TWT Requester Support field in the HE Capabilities element in the Reassociation Request frame that elicited this Reassociation Response frame is 1. Otherwise, the TWT element is not present. If the TWT element is present in the Reassociation Request frame that solicits the Reassociation Response frame but the TWT element is not present in the Reassociation Response frame then the STA can trans mit another TWT request frame after association. |
| 61 | HE Capabilities | The HE Capabilities element is present if dot11HEOptionImple mented is true; otherwise it is not present. |
| 62 | HE Operation | The HE Operation element is present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 63 | BSS Color Change Announcement | The BSS Color Change Announcement element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 64 | Spatial Reuse Parameter Set | The Spatial Reuse Parameter Set element is optionally present if dot11HEOptionImplemented is true; otherwise it is not present. |
| 65 | MU EDCA Param eter Set | The MU EDCA Parameter Set element is present if dot11HEOption Implemented is true and dot11MUEDCAParametersActivated is true; otherwise, it is not present. |
| 66 | UORA Parameter Set | The UORA Parameter Set element is optionally present if dot11HE OptionImplemented is true; otherwise, it is not present. |
| 67 | ESS Report | The ESS Report element is optionally present. |
| 68 | NDP Feedback Report Parameter Set | The NDP Feedback Report Parameter Set element is optionally pres ent if dot11HEOptionImplemented is true; otherwise, it is not present. |
| 69 | HE 6 GHz Band Capabilities | The HE 6 GHz Band Capabilities element is present if dot11HEOp tionImplemented and dot11HE6GOptionImplemented are true. |

Table 9-74 (Quantization of angles)

At

P671L12

Table 9-95 (Coverage Class field parameters)

At

P712L24

P712L29

P712L33

Table 21-7 (Center frequency of the portion of the PPDU transmitted in frequency segment *iSeg*)

At

P570L57

17.3.4.3 (PHY LENGTH field)

At

P580L80

Table 21-2 (Interpretation of FORMAT, NON\_HT Modulation, CH\_BANDWIDTH, and CH\_OFFSET parameters)

At

P666L10

Clause 19 (High-throughput (HT) PHY specification)

At

P497L15

P497L19

P497L15

P497L31

P497L37

P498L6

P502L42

P503L29

P503L31

P526L38

P526L45

P530L13

P530L23

P530L25

P530L33

P530L44

P699L3

Clause 21 (Very high throughput (VHT) PHY specification)

At

P497L15

P497L19

P497L37

P498L6

P502L41

P503L35

P526L38

P526L47

P530L55

P530L61

P531L2

P531L7

P699L5

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