IEEE P802.11  
Wireless LANs

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| CC50 CR for some CIDs | | | | |
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Abstract

This submission proposes resolutions of comments received from TGbn CC50 comments based on TGbn D0.3.

746 1039 1043 1232 1533 1611 2100 2101 3207 3401 3403 3404 3618 (13 CIDs)

Revisions:

Rev 0: Initial version of the document.

1. **Introduction**

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 Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe Draft (i.e. they are instructions to the 802.11be 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** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 746 | Junbin Chen | 9.4.2.aa3 | 63.09 | The AP TB PPDU Response field is a capability indication of a UHR AP, such an indication shall be included in UHR capabilities element rather than MAPC element. The MAPC element shall be used to include some parameters required for MAPC procedure. | move the AP TB PPDU Response field to UHR capabilities element. | Revised-   Agree, add the capability of AP TB PPDU Response to UHR Capabilities element and remove that from MPAC element.   Apply the changes marked as #746 in 11-25/1335r0. |
| 1039 | Matthew Fischer | 9.3.3.2 | 55.45 | Why is there a beacon format subclause with no changes indicated in the beacon? | Add text to indicate a modification of the Beacon format using the same modifications that are shown in the draft for 9.3.3.6, association response frame format | Revised-  Add UHR Operation element to the Beacon frame.  Apply the changes marked as #1039 in 11-25/1335r0. |
| 1043 | Matthew Fischer | 9.4.2.aa1 | 59.42 | Make the field an integer number of octets. | Change the sizes of the NPCA Switching Delay and NPCA Switch Back Delay fields from 6 bits to 8 bits. | Revised-  Both NPCA Switching Delay and NPCA Switch Back Delay fields have 6 bits, which have been described in 802.11bn D0.3.   To TGbn editor, there is no futher change for this CID. |
| 1232 | Morteza Mehrnoush | 9.4.2.aa1 | 59.55 | Define encoding of NPCA Minimum Duration Threshold field | As in comment | Revised-  it has been defined in 802.11bn D0.3, please see Table 9-349b.   To TGbn editor, there is no futher change for this CID. |
| 1533 | yajun CHENG | 9.3.3.2 | 55.45 | At least UHR Capabilities element and UHR Operation element are included in Beacon frame. | As in comment. | Revised-  Add UHR Operation element to the Beacon frame.  Apply the changes marked as #1533 in 11-25/1335r0. |
| 1611 | Jian Yu | 9.4.2.aa1 | 58.58 | Define UHR Operation Element, remove those TBDs | as in comment | Revised-  TBD has been addressed in 11-25/907r4.   To TGbn editor, there is no futher change for this CID. |
| 2100 | Vishnu Ratnam | 9.4.2.aa2.2 | 61.06 | The current definition of MLPM Support is mixing two things: (a) capability of transmission of MLPS and (b) capability of reception of MLPS. To allow future expansion suggest to keep separate fields, similar to case of DPS above. For example, in future, we may allow an AP also to transmit MLPS indication. | As in comment. | Rejected-  The comment failed to identify the technical issue, there is no use case that AP also transmits MLPM indication. |
| 2101 | Vishnu Ratnam | 9.4.2.aa3 | 63.17 | The AP TB PPDU Response field should be present in the UHR Capabilites element transmitted by an AP, rather than in the MAPC element. Note that the capability of receiving a trigger frame may also be applicable to IDC. A possible common capablity indication can be considered. | Suggest to put all the capability indications in the UHR Capabilities element. | Revised-   Add the capability of AP TB PPDU Response to UHR Capabilities element and remove that from MPAC element.   Apply the changes marked as #2101 in 11-25/1335r0. |
| 3207 | Qi Wang | 9.4.2.aa2.2 | 60.33 | Solicited DUO and Unsolicited DUO are specified in 11bn\_D0.1. There needs to be one capability indication for Solicited DUO and another capability indication for Unsolicited DUO in UHR MAC Capabilities Information field. | Please add two subfields in the UHR MAC Capabilities Information field. | Revised-  Solicited DUO capability is added by 11-25/437r17, and unsolicited DUO capability is added by 11-25/508r5.  To TGbn editor, there is no futher change for this CID. |
| 3401 | Gaurang Naik | 9.4.2.aa1 | 59.51 | Define number of bits and encoding for NPCA Minimum Duration Threshold | As in comment. | Revised-  It has been defined and it has 4 bits, please see Table 9-349b in 802.11bn D0.3.   To TGbn editor, there is no futher change for this CID. |
| 3403 | Gaurang Naik | 9.4.2.aa3 | 63.10 | AP supports \*generating\* a TB PPDU. | As in comment.Add "generating" between "supports" and "a TB PPDU". | Accepted- |
| 3404 | Gaurang Naik | 9.4.2.aa3 | 63.13 | AP does not support \*generating\* a TB PPDU | As in comment. | Revised-  Agree with the comment.  To TGbn editor, add "generating" between "support" and "a TB PPDU". |
| 3618 | James Yee | 9.4.2.aa2.2 | 61.21 | The "encoding" description of BSR Enhancement Support is too generic and should be more descriptive, including some of the details in the "Definition" column. | As suggested | Revised-  The encoding of BSR Enhancement Support had been updated in 802.11bn D0.3, please refer to Table 9-349c—Subfields of the UHR MAC Capabilities Information field.   To TGbn editor, there is no futher change for this CID. |

**Discussion:** None.

***TGbn Editor: please modify the following paragraph in 802.11bn 0.3***

* UHR MAC Capabilities Information field

The format of the UHR MAC Capabilities Information field is defined in Figure9-aa5 (UHR MAC Capabilities Information field format).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | B0 | B1 | B2 | B4 | B5 | B6 | B7 |
|  | DPS Support | DPS Assisting Support | Multi-Link Power Management  Support | NPCA Support | Enhanced BSR Support | Additional Mapped TID Support | EOTSP Support |
| Bits: | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | B8 | B9 | B10 | B11 | B12 | B13 | B14 | B15 | B16 | B17 | B18 B31 |
|  | DSO Support | P-EDCA Support | DBE Support | LLI Support | PUO Support | AP PUO Support | DUO Support | OM Control UL MU Data Disable RX Support | AOM Support | AP TB PPDU Response | Reserved |
| Bits: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 (#2101, 746) | 14 |

**Figure 9-aa5—UHR MAC Capabilities Information field format**

The subfields of the UHR MAC Capabilities Information field are defined in Table9-130a (Subfields of the UHR MAC Capabilities Information field).

|  |  |  |
| --- | --- | --- |
| * Subfields of the UHR MAC Capabilities Information field | | |
| Subfield | Definition | Encoding |
| … | … | … |
| AP TB PPDU Response | Indicates whether a TB PPDU response to a preceding  trigger frame is supported for an AP. | For an AP, set to 1 if the AP supports a TB PPDU response to a trigger frame that includes its AP ID value in the User Info field and set to 0 otherwise.  For a non-AP, it is reserved. (#2101, 746) |

**9.4.2.aa3 MAPC element**

**9.4.2.aa3.1 General**

…

(#2101, 746)

**9.3.3.2 Beacon frame format**

***TGbn editor: Please insert a new row as follows (#1039, 1533):***

**Table 9-62—Beacon frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| … |  |  |
| <Last assigned + 1> | UHR Operation | The UHR Operation element is present if dot11UHROptionImplemented is true; otherwise, it is not present. |