IEEE P802.11
Wireless LANs

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| Resolution for miscellaneous CIDs |
| Date: December 16, 2022 |
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 Abstract

This submission proposes resolutions for the following 5 CIDs received against REVme D2.0 during LB270:

3000 3007 3015 3006 3005

Revisions:

* Rev 0: Initial version of the document.

***TGbe editor: Please note baseline is REVme D2.0***

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

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

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

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| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 3000 | Abhishek Patil | 574.35 | 9.2.2 | What is the purpose of the paragraph starting line 36? Per the previous paragraph (line 30), a reserved field/subfield is set to 0 by the transmitter and is ignored by the receiving STA. In addition, the 2nd sentence of paragraph starting line 36 seems to conflict with the receiver side requirement on line 30 (i.e., ignore vs undefined). | Either delete the paragraph starting line 36 or harmonize it with that on line 30. | **Revised**Agree with the comment. The second paragraph related to reserved (sub)fields is confusing and conflicting with the first one. The first paragraph is sufficient as it describes the behavior at the transmitting STA (i.e., sets value to 0) and the expected behavior at a receiving STA (i.e., ignores it).**TGm editor, please make changes as shown in 11-22/2208r0 tagged 3000** |
| 3007 | Abhishek Patil | 1034.44 | 9.4.2.45 | Add Multiple BSSID Configuration element to the list since it is common to all the BSSIDs in the set. | As in comment | **Revised**Agree with the comment. The Multiple BSSID Configuration is common to all the BSSIDs in the multiple BSSID set. Therefore, the text in 9.4.2.45 is updated to include Multiple BSSID Configuration element as one of the elements that is not included in the nontransmitted BSSID profile. **TGm editor, please make changes as shown in 11-22/2208r0 tagged 3007** |
| 3015 | Abhishek Patil | 1967.23 | 10.25.7 | The same rules apply to (GCR) MU-BAR Trigger frame, in addition to BlockAckRequest frame. | Add "or an MU-BAR Trigger frame or a GCR-MU BAR Trigger frame" after "BlockAckReq frame". | **Revised**Agree in principle. Under protected block ack agreement, any form of BAR (including MU-BAR and GCR MU-BAR trigger frames) which are unprotected Control frames can’t be used for advancing the scoreboard window. The text in 10.25.7 is updated to include MU-BAR and GCR MU-BAR Trigger frame in addition to the BAR frame. **TGm editor, please make changes as shown in 11-22/2208r0 tagged 3015** |

* Conventions[3000]

***TGm editor: Please update the following paragraphs in this subclause as shown below:***

Reserved fields and subfields defined in this clause are set to 0 upon transmission and are ignored upon reception.

NOTE 2—This applies to reserved fields and subfields in MAC headers. Reserved fields and subfields in PHY headers might be set to a nonzero value upon transmission, and might not be ignored upon reception.

* Multiple BSSID element[3007]

***TGm editor: Please update the following bullet in the 8th paragraph in this subclause as shown below:***

* The Timestamp and Beacon Interval fields, TIM, DSSS Parameter Set, IBSS Parameter Set, Country, Channel Switch Announcement, Extended Channel Switch Announcement, Wide Bandwidth Channel Switch, Transmit Power Envelope, Supported Operating Classes, IBSS DFS, ERP Information, HT Capabilities, HT Operation, VHT Capabilities, VHT Operation, S1G Beacon Compatibility, Short Beacon Interval, S1G Capabilities, S1G Operation, HE Capabilities, HE 6 GHz Band Capabilities, HE Operation, BSS Color Change Announcement, Spatial Reuse Parameter Set, Max Channel Switch Time, Quiet, Quiet Channel, and Multiple BSSID Configuration elements are not included in the Nontransmitted BSSID Profile subelement; the values of these elements for each nontransmitted BSSID are always the same as the corresponding transmitted BSSID element values.
* Protected block ack agreement[3015]

***TGm editor: Please update the following paragraph in this subclause as shown below:***

A STA that has successfully negotiated a protected block ack agreement shall obey the following rules for that agreement as a block ack recipient in addition to rules specified from 10.25.6.3 (Scoreboard context control during full-state operation) to 10.25.6.6 (Receive reordering buffer control operation):

* The STA shall not use the Block Ack Starting Sequence Control subfield value in the BlockAckReq frame or an MU-BAR Trigger frame or a GCR-MU BAR Trigger frame for the purposes of updating the value of *WinStartB* and *WinStartR*. If the Block Ack Starting Sequence Control subfield value is greater than *WinEndB* or less than *WinStartB*, dot11PBACErrors shall be incremented by 1. If, for a block ack agreement with segmentation and reassembly, the MPDU Starting Sequence subfield value is greater than *WinEndB* or less than *WinStartB*, dot11PBACErrors shall be incremented by 1.

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| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 3006 | Abhishek Patil | 1023.51 | 9.4.2.36 | The format can't be the same as HE Capabilities since HE Capabilities element format includes an Element ID Extension field which is not needed when the element is carried as a subelement (subelement ID is < 255 and the value of the subelement ID will uniquely identify the element). | Revise the text to say: "The format of the Data field of the HE Capabilities element is the same as the Information field of the HE Capabilities element as defined in 9.4.2.248)."Same comment applies for other elements that are carried in Neighbor Report element as subelements and have an Element ID Extension field. | **Revised**Agree in principle. For elements that are carried as subelements within a Neighbor Report element, the value carried in the Subelement ID field (see Table 9-210 of REVme D2.0) does not match the value of the Element ID field (or Element ID Extension field if applicable) assigned to the elements (see Table 9-128 of REVme D2.0). As a result, for elements that have Element ID value of 255, the format of the corresponding subelement does not include the Element ID Extension field (since the Subelement ID never exceeds 255). Therefore, the description that “the subelement (or format of the subelement) is the same as the corresponding element” is incorrect. To address this, the text describing the format of these subelements is updated to state that the format of the Data field of the subelement is the same as the Information field of the corresponding element. In addition, the descriptions for all the subelements are not consistent. Some of them (correctly) refer to the format of the element (see Vendor Specific, Multiple BSSID, RM Emabled Capabilities) while others (incorrectly) state that the subelement is the same as the element. The proposed resolution addresses this inconsistency by updating the description text for HT Cap, HT Op, VHT Cap, VHT Op and Secondary Channel Offset elements to clarify that the format of the corresponding subelement is the same as that of the element.**TGm editor, please make changes as shown in 11-22/2208r0 tagged 3006** |
| 3005 | Abhishek Patil | 1019.65 | 9.4.2.36 | Add HE 6 GHz Capabilities element to the subelement list and add corresponding description. | As in comment | **Revised**Agree with the comment. Table 9-210 is updated to include a row for HE 6 GHz Band Capabilities element. A paragraph describing the format of the element is added in 9.4.2.36.**TGm editor, please make changes as shown in 11-22/2208r0 tagged 3005** |

* Neighbor Report element[3006]

***TGm editor: Please update the following paragraphs in this subclause as shown below:***

The HT Capabilities subelement has the same format as the HT Capabilities element as defined in 9.4.2.55 (HT Capabilities element).

The HT Operation subelement has the same format as the HT Operation element as defined in 9.4.2.56 (HT Operation element).

The Secondary Channel Offset subelement has the same format as the Secondary Channel Offset element as defined in 9.4.2.19 (Secondary Channel Offset element).

***TGm editor: Please update the following paragraphs in this subclause as shown below:***

The VHT Capabilities subelement has the same format as the VHT Capabilities element as defined in 9.4.2.157 (VHT Capabilities element).

The VHT Operation subelement has the same format as the VHT Operation element as defined in 9.4.2.158 (VHT Operation element).

The Data field of the HE Capabilities subelement has the same format as the Information field of the HE Capabilities element (see 9.4.2.248 (HE Capabilities element)).

The Data field of the HE Operation subelement has the same format as the Information field of the HE Operation element (see 9.4.2.249 (HE Operation element)).

***TGm editor: Please update the following paragraph in this subclause as shown below:***

The Data field of the HE BSS Load subelement has the same format as the Information field of the HE BSS Load element (see 9.4.2.259 (HE BSS Load element)).

* Neighbor Report element[3005]

***TGm editor: Please add a new row to Table 9-210 in this subclause as shown below:***

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| **Table 9-210 – Optional subelement IDs for Neighbor Report**  |
| **Subelement ID** | **Name** | **Extensible** |
| <ANA> | HE 6 GHz Band Capabilities | Yes |

***TGm editor: Please add the following paragraph in this subclause as shown below before the paragraph beginning “The Vendor Specific subelement”:***

The Data field of the HE 6 GHz Band Capabilities subelement has the same format as the Information field of the HE 6 GHz Band Capabilities element (see 9.4.2.263 (HE 6 GHz Band Capabilities element)).