IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CID 2676 | | | | |
| Date: March 28, 2019 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Abhishek Patil | Qualcomm Inc. |  |  | appatil@qti.qualcomm.com |
| Jouni Marlinen |  |  |  |
| Menzo Wentink |  |  |  |
| Alfred Asterjadhi |  |  |  |
| George Cherian |  |  |  |

Abstract

This submission proposes resolutions for CID 2676 received for TGm LB236

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Table 9-47 – row 53 updated to show the new name.
* Rev 2: fixed the revision number in the resolution

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.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Pg/Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 2676 | Robert Stacey | 1435.23 | 9.4.2.237 | The Active BSSID Count element is new in REVmd and extensively modified in P802.11ax. It does not make sense to introduce a new feature in one project (REVmd) and then modify it another project (P802.11ax) when the project drafts publish at the same time. | Move changes related to Active BSSID Count from REVmd to P802.11ax. | **Revised**  As suggested by the comment, any reference to Active BSSID Count element is removed from REVmd. TGax will continue to maintain the element (renamed as Multiple BSSID Configuration element). TGax spec will be updated to include additions in clause 6 & 9 as shown in this document. Since the element is no longer present in baseline spec, a few editorial changes are required to TGax draft as shown in this doc.  **TGm editor:** please make changes to REVmd spec as shown in document 11-19/0512r2 with tag **TGm 2676**  **TGax editor:** please make changes to TGax spec as shown in document 11-19/0512r2 with tag **TGax 2676** |

**[TGm 2676]**

***TGm editor, please make changes to REVmd draft as proposed below:***

* Delete row corresponding to order #73 from Table 9-34 (Beacon frame body)
* Delete row corresponding to order #90 from Table 9-41 (Probe Response frame body)
* Delete row corresponding to order #53 from Table 9-47 (DMG Beacon frame body)
* Delete row corresponding to Active BSSID Count element from Table 9-94 (Element IDs)
* Remove clause 9.4.2.237
* Delete the last sentence from the 2nd paragraph in 11.1.3.8 “An AP may include Active BSSID Count element … ”

**[TGax 2676]**

***TGax editor, please make changes to 11ax draft as proposed below:***

* Add a row corresponding to order #73 for Multiple BSSID Configuration element in Table 9-34 (Beacon frame body) as shown below:

|  |  |  |
| --- | --- | --- |
| * Beacon frame body | | |
| **Order** | **Information** | **Notes** |
| 57 | VHT Operation | The VHT Operation element is present when dot11VHTOptionImplemented is true and is optionally present if dot11HEOptionImplemented is true; otherwise, it is not present.(#16227) |
| 73 | Multiple BSSID Configuration | The Multiple BSSID Configuration element is optionally present when dot11MultiBSSIDImplemented is set to true. |
| 76 | HE Capabilities | The HE Capabilities element is present if(#15211) dot11HEOptionImplemented is true; otherwise it is not present. |

* Add a row corresponding to order #90 for Multiple BSSID Configuration element in Table 9-41 (Probe Response frame body) as shown below:

|  |  |  |
| --- | --- | --- |
| * Probe Response frame body | | |
| **Order** | Information | Notes |
| 59 | VHT Operation | The VHT Operation element is present when dot11VHTOptionImplemented is true and is optionally present if dot11HEOptionImplemented is true; otherwise, it is not present.(#16227) |
| 90 | Multiple BSSID Configuration | The Multiple BSSID Configuration element is optionally present when dot11MultiBSSIDImplemented is set to true. |
| 93 | HE Capabilities | The HE Capabilities element is present if(#15211) dot11HEOptionImplemented is true; otherwise it is not present. |

* Add a row corresponding to order #53 for Multiple BSSID Configuration element in Table 9-47 (DMG Beacon frame body) as shown below:

|  |  |  |
| --- | --- | --- |
| * DMG Beacon frame body | | |
| Order | Information | Notes |
| 52 | BSS Load | The BSS Load element is present if dot11QosOptionImplemented and dot11QBSSLoadImplemented are both true; otherwise not present. |
| 53 | Multiple BSSID Configuration | The Multiple BSSID Configuration element is optionally present when dot11MultiBSSIDImplemented is set to true. |
| 54 | Service Hint | The Service Hint element is optionally present if dot11UnsolicitedPADActivated is true. |

* Add a new row for Multiple BSSID Configuration element in Table 9-48 (Minimum and full set of optional elements) as shown below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * Minimum and full set of optional elements | | | | |
| Order | Information | Notes | Allowed in minimum set | Allowed in full set |
| <ANA> | Multiple BSSID Configuration | The Multiple BSSID Configuration element is optionally present when dot11MultiBSSIDImplemented is set to true. | No | Yes |
| Last–1 | One or more elements can appear in this frame. | These elements are optionally present and follow all other elements that are not vendor-specific elements and precede all other elements that are vendor-specific elements that are part of the Last field in the frame. | No | Yes |
| Last | Vendor Specific | One or more vendor-specific elements are optionally present. These elements follow all other elements. | No | Yes |

* Add a row before HE Capabilities element for Multiple BSSID Configuration element in Table 9-94 (Element IDs) as shown below

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| * Element IDs | | | | |
| Element | Element ID | Element ID Extension | Extensible | Fragmentable |
| Multiple BSSID Configuration (see 9.4.2.237 (Multiple BSSID Configuration element) | 255 | 55 | Yes | No |
| HE Capabilities (see 9.4.2.242 (HE Capabilities element)) | 255 | 35 | Yes | No |

* Update clause 9.4.2.237 as follows:
  + Remove all occurrences of “~~Active BSSID Count~~”
  + remove underline from “Multiple BSSID Configuration” (all occurrences)
  + remove underline from paragraph beginning with “Profile Periodicity field … ”
  + remove editor’s note at the end of this clause.
* Update 11.1.3.8 to remove reference to Active BSSID Count [11ax D4.0 P274L2]