### IEEE P802.11 Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11ax D3.0 MAC Comment Resolution for Co-hosted BSS | | | | |
| Date: 2019-01-15 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Po-Kai Huang | Intel Corporation | 2200 Mission College Blvd, Santa Clara, CA 950542200 |  | po-kai.huang@intel.com |
| Laurent Cariou |  |  |  |
| Arik Klein |  |  |  |
| Liwen Chu | Marvell |  |  |  |
| Yongho Soek | Mediatek |  |  |  |
| Kiseon Ryu | LG |  |  |  |
| Zhou Lan | Broadcom |  |  |  |

Abstract

This submission proposes resolutions for comments of TGax Draft D3.3 with the following CIDs:

16587

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Add note to describe the referecne based on the comment received from Mark.
* Rev 2: Correct the CID number

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 D3.3 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D3.3 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** | **Commenter** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 16587 | Po-Kai Huang | 376.48 | 27.16.6 | The value of n under the Multiple BSSID concept is bounded by 8. Since Co-hosted BSSID is similar to Multiple BSSID concept for usage of multiple VAPs, suggeste to bound the value n under Co-hosted BSSID concept by 8. | The maximum value of n shall be 8. Normative texts shall be provided in the description for the indication in HE operation element. | Revised –  Agree in principle with the commenter. In HE Operation element, the value of n can be up to 255, which represents an unrealistic 2^255 co-locatted APs. Since the value of n is limited to 8 when multiple BSSID set is used, and co-hosted BSSID set is created in situation that multiple BSSID element can not be used due to legacy compatibility, we revise to make the maximum value of n to be 8.  TGax editor to make the changes shown in 11-19/0160r2 under all headings that include CID 16587 |

**Discussion:** *None.*

**Propose:** Revised for CID 16587 per discussion and editing instructions in 11-19/0160r2.

***TGax editor: Change 9.4.2.: (Track change on)***

* HE Operation element

(….existing texts….)

The Max Co-Hosted BSSID Indicator field(18/1814r2) contains a value assigned to *n*, where 2*n* is the maximum number of BSSIDs in the co-hosted BSSID(18/1814r2) set as defined in 27.17.6 (Co-hosted BSSID set(18/1814r2)). This field is present if the Co-Hosted BSS subfield(18/1814r2) in HE Operation Parameters field is set to 1 and is not present otherwise.

NOTE 1—The Max Co-Hosted BSSID Indicator field doesn't provide the exact number or the identity of each co-hosted BSSIDs.(18/1814r2)

NOTE 2 – 1 ≤ n ≤ 8 as described in 27.17.6 Co-hosted BSSID set.(#16587)

(….existing texts….)

***TGax editor: Change 27.17.6 Co-hosted BSSID set: (Track change on)***

* + 1. Co-hosted BSSID set

BSSs that are not part of a multiple BSSID set (i.e., dot11MultiBSSIDActivated is set to false) but share the same operating class, channel and antenna connectors belong to a co-hosted BSSID set.

An AP that belongs to a co-hosted BSSID set shall perform the following operations:

* Set the Co-Hosted BSS subfield in the HE Operation element that it transmits to 1.
* Set the Max Co-Hosted BSSID Indicator field in the HE Operation element that it transmits to a nonzero value *n, where 1n8(#16587),* such that 2*n* indicates the maximum number of BSSIDs in the co-hosted set.

Members of the co-hosted BSSID set have the same 48 – *n* MSBs in their BSSIDs.

When its associated AP has set the Co-Hosted BSS subfield in the HE Operation Parameters field to 1, a non-AP STA shall identify a BSS as a co-hosted BSS, if the 48 – *n* bits of the BSSID of the BSS are the same as the 48 – *n* bits of the BSSID of its associated AP, where *n* is the value carried in the Max Co-Hosted BSSID Indicator field of the HE Operation element transmitted by the associated AP.