IEEE P802.11
Wireless LANs

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| Resolution for CID 13142 |
| Date: December 9, 2017 |
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Abstract

This submission proposes resolutions for CID 13142 received for TGax LB230

Revisions:

* Rev 0: Initial version of the document.

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

***Editing instructions formatted like this are intended to be copied into the TGax 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.***

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| **CID** | **Commenter** | **Pg / Ln** | **Section** | **Comment** | **Proposed Change** | **Resolution** |
| 13142 | Po-Kai Huang | 211.43 | 11.1.3.8 | What is the maximum value n for MaxBSSID Indicator? In 11.11.14, it says that the maximum value of n is 46. However, in 9.4.2.74, there is only 8 bits assigned to the BSSID index, which is used to indicate value from 1 to 2^n-1. This implies that the maximum value of n is 8. | Propose to add a note to indicate that the maximum value of n is 8. Revise the description in 11.11.14 to specificy that the maximum value of n is 8. | RevisedAgree with the comment.Text in 11.11.14 is updated to indicate that maximum value of n is 8 when the dot11MultipleBSSIDActivated is true. The legacy (802.11k) case for radio measurement pilot is preserved. In addition, a note is added to 9.4.2.46 (Multiple BSSID element) to indicate the maximum value of n as 8 with appropriate reasoning.**TGax editor, please make changes as suggested in doc 11-17-1858r0 under CID 13142** |

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* **Multiple BSSID set**

***TGax Editor: Please make the following changes to this section (802.11-2016 P1734):***

A multiple BSSID set is characterized as follows:

* All members of the set use a common operating class, channel, Channel Access Functions, and antenna connector(s).
* The set has a maximum range of 2n for at least one n, where:
* 1 ≤ n ≤ 8 when dot11MultiBSSIDActivated is true
* Otherwise, 1  n  46 when dot11MultiBSSIDActivitated (if present) is false and dot11RMMeasurementPilotActivated is nonzero.
* Members of the set have the same 48-n MSBs in their BSSIDs.
* All BSSIDs within the multiple BSSID set are assigned in a way that they are not available as MAC addresses for STAs using a different operating class, channel or antenna connector(s).

NOTE—For example, if the APs within BSSs with BSSIDs 16, 17, and 27 share the operating class, channel and antenna connector(s), and the range of MAC addresses from 16–31 inclusive are not assigned to other STAs using a different antenna connector(s), then the BSSIDs 16, 17, and 27 are members of a multiple BSSID set. The set is described by n = 4 (2n = 16) with BSSIDs in the range 0x00000000001X. The set cannot be described by n = 8 for instance since at least one of the BSSIDs in the range 0x0000000000XX might be used as a BSSID by an AP that does not share the same operating class, channel, and antenna connector(s).

When the multiple BSSID set contains two or more members, the transmission of Measurement Pilots is constrained as described in 11.11.15 (Measurement Pilot frame generation and usage).

A Multiple BSSID element, with or without optional subelements, indicates that all APs and PCPs within the indicated range of BSSIDs transmit using a common class, channel, and antenna connector(s).

A single Beacon frame may contain elements for the multiple BSSID set members; see 11.1.3.8 (Multiple BSSID procedure).

* **Multiple BSSID element**

***TGax Editor: Please modify the second paragraph in this section as follows (802.11-2016 P931):***

The MaxBSSID Indicator field contains a value assigned to *n*, where 2*n* is the maximum number of BSSIDs in the multiple BSSID set, including the reference BSSID (see 11.11.14 (Multiple BSSID set)). The actual number of BSSIDs in the multiple BSSID set is not explicitly signaled.

NOTE—When dot11MultiBSSIDActivated is true, 1 ≤ n ≤ 8 since the BSSID Index field in 9.4.2.74 (Multiple BSSID-Index element) indicates the number of BSSIDs in a multiple BSSID set.

The BSSID(i) value corresponding to the ith BSSID in the multiple BSSID set is derived from a reference BSSID (REF\_BSSID) as follows:

* **Multiple BSSID-Index element**

***TGax Editor: Please modify the second paragraph in this section as follows (802.11-2016 P995):***

The BSSID Index field is a value between 1 and 2*n*– 1 that identifies the nontransmitted BSSID, where *n* is a nonzero, positive integer value (see MaxBSSID Indicator field in 9.4.2.46 (Multiple BSSID element)).