### IEEE P802.11 Wireless LANs

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| Proposed Texts of Improving Scanning for identifying Transmitted BSSID | | | | |
| Date: 2017-09-13 | | | | |
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Abstract

We proposed the spec texts based on the presentation in 11-17/1492r0.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Editorial revision based on the comment from Abhi.
* Rev 2: Further revision based on the comment from Abhi.

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 D1.4 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax D1.4 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.***

**Discussion:** *None.*

**Propose:** Revised for CID 9636 per discussion and editing instructions in 11-17/1301r2.

***TGax editor: Modify 9.4.2.238 HE Operation element as the following: (Track change on)***

***(existing texts)***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | HE Operation Parameters | Basic HE-MCS And NSS Set(#7718) | VHT Operation Information |  |
| Octets | 1 | 1 | 1 | 4 | 2(#9674) | 0 or 3 (#3035) |  |

**Figure 9-589cq—HE Operation element format**

***(existing texts)***

***TGax editor: Add* 9.4.2.245 Multiple BSSID Indication Element as the following:**

**9.4.2.245 Multiple BSSID Indication Element**

The format of the Multiple BSSID Indication element is defined in Figure 9-589df (Multiple BSSID Indication element).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Element ID | Length | Element ID Extension | Transmitted BSSID Info |
| Octets | 1 | 1 | 1 | 2 |

**Figure 9-589df— Multiple BSSID Indication element format**

The Element ID, Length, and Element ID Extension fields are defined in 9.4.2.1 (General).

The format of the Transmitted BSSID Information field is defined in Figure 9-589de (Transmitted BSSID  
Information field format). The Transmitted BSSID Information field is used to indicate transmitted BSSID.

|  |  |  |
| --- | --- | --- |
|  | MaxBSSID Indicator | Partial Transmitted BSSID |
| Bits | 4 | 12 |

The MaxBSSID Indicator subfield is set to the same value as the MaxBSSID Indicator field carried in the Multiple BSSID element (see 9.4.2.46 (Multiple BSSID element)) advertised by the transmitted BSSID.

The Partial Transmitted BSSID subfield is set to the 12 LSB of the Transmitted BSSID.

**Figure 9-589de—Transmitted BSSID Information format**

***(existing texts)***

***TGax editor: Modify 11.1.3.8 Multiple BSSID procedure as the following:***

***(existing texts)***

An HE AP belonging to a multiple BSSID set(#Ed) shall set the Tx BSSID  
Indicator field in the HE Operation element as defined in 9.4.2.238 (HE Operation element)

An HE AP that belongs to a multiple BSSID set and has BSSID not equal to the transmitted BSSID shall include the Multiple BSSID Indication element in probe response or association response to a HE non-AP STA.

An HE STA that supports receiving control frames directed to STAs from at least two different BSSs of a  
multiple BSSID set (i.e., has the Rx Control Frame To MultiBSS subfield set to 1 in the HE Capabilities element it transmits(#Ed)) and is associated with an HE AP(#6551) whose MaxBSSID Indicator field in the Multiple BSSID Indication element is set to *n*and whose Tx BSSID Indicator in the HE Operation element is set to 0 shall decode the Beacon frame with a Multiple BSSID element  
whose 48 − *n* MSBs of the BSSID are same as the 48 − *n* MSBs of BSSID of the AP with which the STA is  
associated in order to identify the transmitted BSSID.(#5922)(#7995)(#9757)(#4774)

***(existing texts)***