IEEE P802.11
Wireless LANs

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Abstract

This document provides resolution for CID 7147.

This document suggests changes to REVmc5.0

Problem:
The mBSSID feature, as currently worded can be interpreted as meaning that if a non-AP STA can support n number of BSSIDs on the same antenna connector, then the mBSSID field would indicate all of those BSSIDs, regardless of whether they are actively beaconing or not.

The current wording could also be interpreted as only the BSSIDs which are 'configured' on the STA to be indicated, which was the original intent of the feature. The suggested changes remove the ambiguity and clarify the intent of the feature.

**Editor: make the following changes to section 9.4.2.22.10 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is used to report the list of BSSIDs of the BSSs which share the same antenna connector with the reporting STA and are actively beaconing.

….

When the BSSIDs of the co-located actively beaconing BSSs are configured at the reporting STA but not represented by the MaxMBSSID Indicator field, the BSSID fields are present in the Co-located BSSID List subelement to provide an explicit list of such BSSID values.

When the MaxBSSID Indicator field is equal to zero, the BSSID fields contain an explicit list of the BSSID values of the BSSs which are actively beaconing and share the same antenna connector with the reporting STA.

NOTE—For example, if there are 4 actively beaconing BSSs which share the same antenna connector and their BSSIDs end with 16, 24, 30 and 31, and the range of MAC addresses ending with 16-31 inclusive are not assigned to other BSSs using a different antenna connector, then this list of 4 BSSIDs can be indicated with a value of 5 in the MaxBSSID Indicator field.

Otherwise, the MaxBSSID Indicator field is set to zero and the BSSIDs are listed separately.

**Editor: make the following changes to section 9.4.2.22.13 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is used to report the list of BSSIDs of the BSSs that are actively beaconing and share the same antenna connector with the reporting STA. The Co-Located BSSID List subelement is described in 9.4.2.22.10 (LCI report (Location configuration information report)).

**Editor: make the following changes to section 9.4.2.37 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is present in the Measurement Report subelement of the Neighbor Report element, when there is at least one other BSS which is actively beaconing and it is co-located with the reporting BSS (Note: there are 2 instances of the same sentence in this section).

**Editor: make the following changes to section 9.4.5.12 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is present when there is at least one other BSS which is actively beaconing and it is co-located with the reporting BSS.

**Editor: make the following changes to section 9.4.5.13 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is present when there is at least one other BSS which is actively beaconing and it is co-located with the reporting BSS and the Co-Located BSSID List subelement is not present in the Geospatial Location ANQP-element, and is not present otherwise.

**Editor: make the following changes to section 9.4.5.19 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is present when there is at least one other BSS which is actively beaconing and it is co-located with the reporting BSS.

**Editor: make the following changes to section 9.6.8.33 of the REVmc5.0 document:**

The Co-Located BSSID List subelement is present in the Measurement Report element with Measurement Type field equal to LCI, when there is at least one other BSS which is actively beaconing and it is collocated withe the reporting BSS.

The Co-Located BSSID List subelement is present in the Measurement Report element with Measurement Type field equal to LCI, when there is at least one other BSS which is actively beaconing and it is co-located withe the reporting BSS. When the LCI Report field contains a Co-Located BSSID List subelement, the Co-Located BSSID List subelement is not present in the Location Civic Report field.

**References:**