IEEE P802.11
Wireless LANs

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| LB 207 MAC Comment Resolution for Clauses 8.4.2.190, 8.4.2.191, and 8.9.1.1.1 |
| Date: 2015-03-05 |
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Abstract

This submission proposes comment resolutions for Clauses 8.4.2.190, 8.4.2.191, and 8.9.1.1.1.

* CIDs: 6040, 6041,6042, 6098, 6089, 6090, 6043, 6044, 6045, 6046, and 6205 (11 CIDs)

Changes in the text refer to: Draft P802.11ah/D4.0

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

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

**CIDs 6040, 6041, and 6042**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6040 | 8.4.2.190 | 141 | 38 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 also resolves this CID. See the resolution for CID 6131 in document 15/266. |
| 6041 | 8.4.2.190 | 141 | 43 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 resolves this CID. See the resolution for CID 6131 in document 15/266. |
| 6042 | 8.4.2.190 | 141 | 48 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 resolves this CID. See the resolution for CID 6131 in document 15/266. |

**CID 6098**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6098 | 8.4.2.190 | 142 | 1 | The Service Type field doesn't indicate service types. It indicates characteristics for the traffic that will be generated during the association. | Rename the Service Type field to Traffic Characteristics or something similar. | Rejected –The information indicated by the Service Type field does not only imply the traffic characteristics of the STA but it also imply the priority of the STA for association. So it is better to keep the field name as it is.See the detailed discussion in document 15/0310. |

**Discussion**

In clause 10.3.5.11(Service type indication during association), it is described that an AP can optimize the system operating parameters with the knowledge of the service type of each associated STA or place a high priority on association/reassociation for a STA that provides critical services such as health care, home, industrial, alarm monitoring or emergency service.

The information indicated by the Service Type field does not only imply the traffic characteristics of the STA but it also imply the priority of the STA for association. So it is better to keep the field name as it is.

**CID 6089**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6089 | 8.4.2.191 | 142 | 50 | If the AP does not... The content of the field is not defined for the case where the AP does change the AID. | Define the field content when the AP does change the AID. | Revised –Agree with the commenter in principle.TGah Editor to make changes shown in 15/0310 |

**Proposed Remedy on CID 6089 :**

***Instructions to TGah Editor: Modify the following sentence in Subclause 8.4.2.191 of D4.0 as follows:***

**8.4.2.191 AID Response element**

……..

The AID/Multicast AID field, which has the same format as the AID field described in 8.4.1.8 (AID field), indicates:

* The AID that is assigned to the non-AP STA if the AID Response element is not sent as a response to an AID Switch Request frame that contained a Group Address field. If the AP does not change the AID of the STA, this field indicates the current AID assigned to the non-AP STA. If the AP changes the AID of the STA, this field indicates the changed AID assigned to the non-AP STA.
* The multicast AID that is assigned to a group MAC address if the AID Response element is sent as a response to an AID Switch Request frame that contained a Group Address field carrying the group MAC address.

**CIDs 6090 and 6043**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6090 | 8.4.2.191 | 142 | 57 | A count does not have units | "the AID Switch Count field contains the number of (short) beacon intervals until..." or something to that effect. | Revised –TGah Editor to make changes shown in 15/0310 |
| 6043 | 8.4.2.191 | 142 | 58 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised –TGah Editor to make changes shown in 15/0310 |

**Proposed Remedy on CID 6090 and 6043:**

***Instructions to TGah Editor: Modify the following sentence in Subclause 8.4.2.191 of D4.0 as follows:***

**8.4.2.191 AID Response element**

……..

The AID Switch Count field indicates a countdown value~~, in units of (short) beacon interval,~~ that the AP sets for the non-AP STA to switch to the new AID or to activate the multicast AID. The countdown value is expressed in units of beacon interval if dot11ShortBeaconInterval is false and in units of short beacon interval if dot11ShortBeaconInterval is true (see 10.1.3.10.2). ~~It~~ The AID Switch Count field indicates the duration after which the (multicast) listen interval starts and the counter that corresponds to the AID Switch Count field starts upon transmission of the AID Response element. The AID Switch Count field is set to 0 in an AID Response element that is carried in a (Re) Association Response frame.

**CIDs 6044, 6045, and 6046**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6044 | 8.4.2.191 | 143 | 1 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 resolves this CID. See the resolution for CID 6131 in document 15/266. |
| 6045 | 8.4.2.191 | 143 | 6 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 resolves this CID. See the resolution for CID 6131 in document 15/266. |
| 6046 | 8.4.2.191 | 143 | 10 | "units of (short) beacon interval" is used to define the listen interval. This is not a correct specification of the time unit as "(short) beacon interval" stands for "short beacon interval or beacon interval". Hence two contradicting units are given here. | Use an unambigeous time unit to specify the listen intervall.Replace "in unitis of (short) beacon interval" with "in TUs" | Revised – Resoultion to CID 6131 resolves this CID. See the resolution for CID 6131 in document 15/266. |

**CID 6205**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 6205 | 8.9.1.1.1 | 217 | 53 | Partial BSSID is not defined. Also it is not defined in the refered section 9.20a | provide definition | Revised –TGah Editor to make changes shown in 15/0310 |

**Proposed Remedy on CID 6205 :**

***Instructions to TGah Editor: Add the following sentence at the end of the Subclause 9.20a of D4.0 as follows:***

The Partial BSSID is defined to be the PARTIAL\_AID of the address of the STA contained in the AP and is equal to

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| (*dec*(BSSID[39:47])*mod*(29-1))+1 |