IEEE P802.11
Wireless LANs

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| SB0 Comment Resolution on CID8369 and CID 8458 |
| Date: 2016-01-19 |
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Abstract

This submission proposes comment resolutions on following CIDs:

* CIDs: 8369 and 8458 (2 CIDs)

Changes in the text refer to: Draft P802.11ah/D5.1

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.***

**CID 8369**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 8369 | 8.4.1.6 | 104 | 2 | "The value of the Listen Interval parameter used by MLME primitives": parameters are not \_used\_ by MLME primitives, but are used by the MLME when it invokes a primitive. In addition, the name of the parameter is "ListenInterval". | Replace "The value of the Listen Interval parameter used by the MLME is determined from the Listen Interval field as described in this subclause and is expressed"with:"When it invokes a primitive, the MLME sets the value of the ListenInterval perameter to the value of the Listen Interval field in the frames that it receives. The value of this primitive is expressed". | Revised –The approved resolution of CID 8075 has modified the text and “used by MLME primitive” is not used any more.Listen Interval parameter has to be changed to ListenInterval as suggested by the commenter.TGah Editor to make changes shown in 130r0. |

**Proposed Remedy:**

***Instructions to TGah Editor: Modify the following sentence in Subclause 8.4.1.6 of D5.1 as follows:***

8.4.1.6 Listen Interval field

….

The value of ~~this parameter is~~ the ListenInterval parameter ~~of the MLME-ASSOCIATE.request or MLME-REASSOCIATE.request~~ when present as a parameter of an(#8075) MLMEprimitives is determined from the Listen Interval field as described in this subclause and is expressed in units of ~~B~~beacon ~~I~~interval if dot11ShortBeaconInterval is false and in units of short beacon interval if dot11ShortBeaconInterval is true (see 10.1.3.10.2 (Generation of S1G Beacon frames)).

**CID 8128**

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| **CID** | **Clause** | **Page** | **Line** | **Comment** | **Proposed Change** | **Proposed****Resolution** |
| 8458 | 9.50.5.2 | 325 | 28 | The requirement "When the AP receives the sector training request from a STA, the AP shall initiate sector training." is very strong and may be excessive. This requires that an AP must conduct sector training each time that one is requested. Given that there are up to 6000 STAs, this may take a very long time and deprive the BSS from doing any useful transmissions. | Suggest that an AP should only conduct sector training after receiving request from a number of STAs or before a certain interval expires, e.g., within a beacon interval from the time a sector training request is received, to prevent very frequent sector training. | Revised –TGah Editor to make changes shown in 130r0. |

**Discussion**

Agree with the commenter in principle. “The AP shall initiate sector training” is too strong.

It is better to have the AP schedule the sector training at some proper time, for example, within current beacon interval, or after the current beacon interval which can be indicated in the S1G Sector Operation element in the beacon. The proper time for sector training is an implementation issue.

**Proposed Remedy:**

***Instructions to TGah Editor: Modify the following sentence in Subclause 9.50.5.2 of D5.1 as follows:***

9.50.5.2 Procedure

….

In TXOP-based sectorization operation, sector training may occur periodically with the training period and the beacon interval in which the training occurs as indicated in S1G Sector Operation element (TXOP-based), in response to a request from a STA, or initiated by the AP. The STAs may perform sector training by receiving the training NDP CTSs from AP. When the AP receives the sector training request from a STA, the AP shall schedule sector training. AP supporting TXOP-based sectorization shall support sector training and sector training request. In the S1G Sector Operation element (TXOP-based) (see 8.4.2.192 (S1G Sector Operation element)), which is transmitted in Beacon frame, Probe Response frame, or Association Responseframe, the AP indicates in which beacon interval sector training occurs.