IEEE P802.11
Wireless LANs

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| TBD and CR for critical update for non-AP STA |
| Date: Mar 20, 2021 |
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 Abstract

This submission proposes resolutions for following 3 CIDs received for TGbe CC34:

1072

2322

3226

and fix TBD (behaviour at non-AP STA)in clause 35.3.8 BSS parameter critical update procedure

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

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

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

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Commenter | Page | Clause | Comment | Proposed Change | Resolution |
| 1072 | Abhishek Patil | 137.60 | 35.3.8 | The spec must provide guidance on how a non-AP MLD retrieves updates for a particular link that has updated it BSS parameters (i.e., the CSN info has changed). The proposed solution must maintain the non-AP MLD's power-save states on different links, prevent probe storm and beacon bloating. | The commenter will provide a contribution | Revised-Agree with the comment in general, propose resolution to account for the suggested behavior at non-AP sideTGbe editor Please implement changes as shown in doc 11-21/xxxxr0 tagged as 1072 |
| 2322 | Ming Gan | 137.15 | 35.3.8 | the procedure about about obtaining new BSS parameter at non-AP MLD side is missed | A corresponding contribution (DCN1871) is submitted | Revised-Agree with the comment in general, propose resolution to account for the suggested behavior at non-AP sideTGbe editor Please implement changes as shown in doc 11-21/xxxxr0 tagged as 2322 |
| 3226 | Young Hoon Kwon | 137.57 | 35.3.8 | Non-AP MLD's behavior when the Change Sequence field value is updated is not clear. Further clarification is needed. | As shown in the comment. | Revised-Agree with the comment in general, propose resolution to account for the suggested behavior at non-AP sideTGbe editor Please implement changes as shown in doc 11-21/xxxxr0 tagged as 3226 |

***TGbe editor: Please note baselines are REVmd D5.0, 11ax D8.0 and 11be D0.4***

**35.3.8 BSS parameter critical update procedure**

***TGbe editor: Please insert the following paragraph at the end of this subclause*** When a non-AP STA affiliated with a multi-radio non-AP MLD receives a Change Count subfield for an AP affiliated with an AP MLD with which the multi-radio non-AP MLD has multi-link setup that contains a value that is different from the previously received Change Count subfield for the AP, the non-AP affiliated with the same multi-radio non-AP MLD that is associated with the AP shall be awake to receive the next Beacon frame that is transmitted at a TBTT

When a non-AP STA affiliated with a single-radio non-AP MLD receives a Change Count subfield for an AP affiliated with an AP MLD with which the non-AP MLD has multi-link setup that contains a value that is different from the previously received Change Count subfield for the AP, then

—either the non-AP affiliated with the same single radio non-AP MLD that is associated with the AP shall be awake to receive the next Beacon frame that is transmitted at a TBTT

—or the non-AP affiliated with the same single radio non-AP MLD that receives the Change Count subfield shall queue for transmission a Probe Request frame to obtain the (#CID 1072 2322 3226)