### **IEEE P802.11 Wireless LANs**

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| LB275 CR for puncturing | | | | |
| Date: 2023-08-22 | | | | |
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**Abstract**

This submission proposes resolutions for the following 2 CIDs for TGbe LB275:

* 19625, 19624

**Revisions:**

* Rev 0: Initial version of the document (inherited the same proposal from 23/728r2)
* Rev 1: call out Bandwidth Indication subelement explicitly for clarity

***TGbe editor: Please note Baseline is REVme\_D4.0 and 11be D4.0***

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| --- | --- | --- | --- | --- | --- | --- |
| CID | Commenter | Clause | Page | Comment | Proposed Change | Resolution |
| 19625 | Yanjun Sun | 35.15.2 | 638.61 | As operating channel of an HE BSS doesn't include any statically punctured subchannel indicated in Beacons, HE PPDU is not applicable here. | Delete "HE," from the line. | Accepted |
| 19624 | Yanjun Sun | 35.15.2 | 638.41 | Clarification is needed on the 2 methods an EHT AP can use to indicate an updated puncturing pattern in D3.0: 1) indicated via the the Disabled Subchannel Bitmap subfield in the EHT Operation element in the Beacon frame, 2) indicated via the Disabled Subchannel Bitmap subfield in the Bandwidth Indication element of (e)CSA. The key difference between the two methods is that method 2) allows for a more graceful transition based on the channel switch acount. Please clarify the difference to avoid interop issue and add a should requirement for method 2) if a graceful transition is needed. | As in comment | Revised  Agree with the commenter in principle  Tgbe editor please implement changes as shown in doc 11-23/1411r1 tagged as #19624 |

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.***

***Tgbe editor: Please insert a new paragraph to the end of subclause 35.15.2 as follows (track change enabled, same as the propose resolution in 23/0728r2):***

* + 1. **Preamble puncturing operation**

(#19624)To indicate a puncturing pattern change for the current BSS operating channel carried in a Beacon frame, an EHT AP shall use an EHT Operation element or the Bandwidth Indication subelement in a Channel Switch Wrapper element (see 35.15.3 (Channel switching methods for an EHT BSS)).

NOTE—The Channel Switch Count field in a Channel Switch Announcement element or an Extended Channel Switch Announcement element sent together with the Bandwidth Indication subelement of the Channel Switch Wrapper element allows the AP to notify the associated non-AP STAs in advance about the upcoming puncturing pattern, so it is recommended to use the Channel Switch Wrapper element to indicate the puncturing pattern change.