IEEE P802.11
Wireless LANs

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| LB266 CR for Miscellaneous CIDs |
| Date: 2022.08.19 |
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Abstract

This submission contains proposed comment resolutions to comments on P802.11be D2.0.

The following CIDs are resolved:

11944, 11945, 12036

Revisions:

- Rev 0: Initial version of the document.

- Rev 1: defer CID 12306

- Rev 2: Update the resolution for CID 12306

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| CID | Commenter | Page.Line | Clause Number | Comment | Proposed Change | Resolution |
| 11944 | Jarkko Kneckt | 0.00 | 9.4.2.27 | Currently, the (extended, HE) BSS Load elements do not provide statistics of the amount of time the reporting AP has transmitted or received in the channel. The STA is not capable to know whether the channel is busy due to OBSSs or if the AP is using triggered access in the channel. When triggered access becomes more popular, AP may use large amount of airtime and have good throughputs eventhough the high BSS Load value makes the reported channel to look congested. | Please add a new Mulit-link Load element or a field to the existing BSS Load variant(s) that reports the the percentage of the time that the reporting AP is transmitting or receiving the in the channel, i.e. the time that the BSS is occupying the channel as measured by the reporting AP. | RejectedThe commenter fails to provide sufficient detail on the use case and explain how to affect the non-AP MLD’s behaviour when obtaining such info. |
| 11945 | Jarkko Kneckt | 0.00 | 9.4.2.27 | Currently, the (extended, HE) BSS Load elements do not provide statistics of the number of associated enabled (EHT) STAs with the affiliated AP. The EHT STAs operate differently than legacy STAs, because these devices can operate in multiple links and use more advanced STR and EMLSR channel access. If the scanning device cannot estimate teh number of associated enabled EHT STAs per link, the associating STAs may estimate AP MLD and affiliated APs congestion level incorrectly. | Please add a new Mulit-link Load element or a field to the existing BSS Load variant(s) that reports the number of enabled EHT STAs associated with the AP. | RejectedThe commenter fails to provide sufficient detail on the use case and explain how to affect the non-AP MLD’s behaviour when obtaining such info.  |
| 12036 | Massinissa Lalam | 54 | 3.2 | A definition of affiliated AP is missing, while affiliated STA is defined. Since affilicated AP is used through the whole document (138 times vs 56 times for affiliated STA), may I suggest to add one, e.g.:affiliated AP: An access point (AP) that provides link-specific, lower medium access protocol (MAC) services within an access point multi-link device (an AP MLD). | As in comment | RevisedAgree with the comment in principle. The definitions of affiliated AP and affiliated non-AP STA are added. TGbe editor: Please implement changes as shown in doc 11-22/1366r2 tagged as #12036. |

3.2 Definitions specific to IEEE 802.11

***TGbe editor: insert the definition of affiliated AP and affiliated non-AP STA as follows:***

**affiliated STA:** A station (STA), which can be an access point (AP) STA or non-access point (non-AP) STA, that provides link-specific, lower medium access protocol (MAC) services within a multi-link device (an MLD).

affiliated AP: An affiliated station (STA) that is an access point (AP) STA and the corresponding MLD is an AP MLD.(#12306)

affiliated non-AP STA: An affiliated station (STA) that is a non-access point (non-AP) STA and the corresponding MLD is a non-AP MLD. (#12306)