IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB266 CR for CID 12064 | | | | |
| Date: 2022-10-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Leonardo Lanante | Ofinno |  |  | llanante@ofinno.com |
| Jeongki Kim | Ofinno |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for the following CID for TGbe LB266:

• 12064

**Revisions:**

* Rev 0: Initial version of the document.
* Rev 1: Removed the proposed subclause and converted it into two NOTES

***TGbe editor: The baseline for this document is 11be D2.2 and REVme D1.4.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 12064 | 487.14 | 35.5.2.3.1 | The operation of UORA with regards to Multi-link operation is unclear. In 11ax, a non-AP STA can not contend for an eligible RA-RU or decrement its OBO counter if it does not have pending frames for the AP. When a frame is mapped to two or more links, can it decrement multiple OBO counters at the same time? | Clarify UORA operation for MLO in a separate clause. For example 36.5.4.3 | Revised  Agree in principle with the commenter.  Additional NOTES are added to clarify  UORA operation for MLO.  TGbe editor to make the changes shown in 11-22/1726r1 tagged with #12064 |

**Discussion:**

Based on the 802.11be D2.2 draft, the behavior of an EHT STA when contending on an RA-RU is based on it being an HE STA. Hence, in a non-AP MLD, two or more affiliated STAs act like two or more HE STAs contending on RA-RUs independently on their respective links.

In the baseline UORA procedure, it is mentioned a non-AP STA shall not contend for an eligible RA-RU or decrement its OBO counter if it does not have pending frames for the AP. Because STAs affiliated with a non-AP MLD share the same set of pending frames, we propose to clarify the UORA procedure for non-AP MLDs as follows.

**26.5.4 UL OFDMA-based random access (UORA)**

**26.5.4.1 General**

***TGbe editor: Please make the following changes in the 10th paragraph in subclause 26.5.4.1***

NOTE 4—For a non-AP STA with dot11MultiBSSIDImplemented equal to true, associating with a different AP includes associating with an AP corresponding to a different BSSID in the same multiple BSSID set. (#12064) For a non-AP STA affiliated with a non-AP MLD, associating with a different AP includes associating by the non-AP MLD to a different AP MLD.

**26.5.4.3 Transmission procedure for UORA**

***TGbe editor: Please make the following changes in the 2nd paragraph in subclause 26.5.4.3***

A non-AP STA shall not contend for an eligible RA-RU or decrement its OBO counter if it does not have pending frames for the AP.

(#12064) NOTE—A non-AP STA affiliated with a non-AP MLD can contend for an eligible RA-RU or decrement its OBO counter if the MLD to which the non-AP STA is affiliated has pending frames for the AP MLD