IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Initial SA Resolution for negotiation of TTLM | | | | |
| Date: April 16, 2024 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Technologies Inc. | San Diego, CA, USA |  | aasterja at qti.qualcomm.com |
| Edward Au | Huawei Technologies | Ottawa, Ontario, Canada |  | edward.ks.au@gmail.com |
|  |  |  |  |  |

Abstract

This submission proposes resolutions for following CID received for TGbe initial SA ballot:

* 22066, 22067, 22266, 22277, 22328

**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.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 22066 | Michael Montemurro | 35.3.7.2.3 | 532.29 | [AK] There is no Duration field in the TID-To-Link Mapping element. Seems its typo and the intention is to "Direction" field. Please revise the sentence as suggested. | The sentence should be revised as follows:" … , the MLD that initiates a TTLM negotiation with the peer MLD shall send only one TID-To-Link Mapping element with the \*Direction\* field set to 2 and where all TIDs are mapped to the same link set. " | Accepted |
| 22067 | Michael Montemurro | 35.3.7.2.3 | 532.24 | [AK] The MLD does not transmit the Basic Multi-Link element, but only its affiliated STAs. Please revise the sentence as suggested. | Please revise the sentence as follows:" An MLD that supports TTLM negotiation has dot11TIDtoLinkMappingActivated equal to true and shall set to a nonzero value the TID-To-Link Mapping Negotiation Support subfield in the MLD Capabilities And Operations subfield of the Basic Multi-Link element that is transmitted by its affiliated STA(s)". | Accepted |
| 22266 | Hiroyuki Motozuka | 35.3.7.2.3 | 534.29 | "Duration field" seems to be wrong. It should be "Direction subfield". | Replace "Duration field" with "Direction subfield of the TID-To-Link Control field". | Accepted |
| 22277 | Tomoko Adachi | 35.3.7.2.3 | 532.29 | "… one TID-To-Link Mapping element with the Duration field set to 2 ..." A Duration field does not exist in the TID-To-Link Mapping element. This sentence describes the case when the TID-To-Link Mapping Negotiation Support subfield value received from a peer MLD is set to 1. The value 1 is used when the peer MLD only supports the mapping of all TIDs to the same link set, both for DL and UL. The Direction subfield in the TID-To-Link Mapping can be from 0 to 2 and the value 2 is used when the TID-To-Link Mapping element provides the TTLM information for frames transmitted both on the downlink and the uplink. | Correct it to read "… one TID-To-Link Mapping element with the Direction field set to 2 ...". | Accepted |
| 22328 | Alfred Asterjadhi | 35.3.7.2.3 | 534.29 | [Xiandong Dong] "Duration field" should be "Direction field". | As in comment | Accepted |

**35.3.7.2.3 Negotiation of TTLM**

***TGbe editor: Please see the change to the paragraph below (CID 22066, 22067, 22266, 22277, 22328):***

An MLD that supports TTLM negotiation has dot11TIDtoLinkMappingActivated equal to true and shall set to a nonzero value the TID-To-Link Mapping Negotiation Support subfield in the MLD Capabilities And Operations subfield of the Basic Multi-Link element that it transmits. An MLD that does not support TTLM negotiation has dot11TIDtoLinkMappingActivated equal to false and shall set the TID-To-Link Mapping Negotiation Support subfield to 0. If the TID-To-Link Mapping Negotiation Support subfield value received from a peer MLD is equal to 1, the MLD that initiates a TTLM negotiation with the peer MLD shall send only one TID-To-Link Mapping element with the Direction field set to 2 and where all TIDs are mapped to the same link set. If the TID-To-Link Mapping Negotiation Support subfield value received from a peer MLD is equal to 3, the MLD that initiates a TTLM negotiation with the peer MLD shall send the TID-To-Link Mapping element where each TID is mapped to the same or different link set.