IEEE P802.11
Wireless LANs

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| SA ballot: CR for 35.3.21.2 TDLS direct link over a single link |
| Date: 2024-20-02 |
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Abstract

This submission proposes CR for 5 CIDs:

22106 22107 22108 22109 22351

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**  | **Pg/Ln** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- | --- |
| 22106 | Srinivas Kandala | 35.3.21.2 | 585.52 | Please also include the case for TDLS Discovery Response frame. | as in comment | RejectedThe receiver doesn’t need to respond with any frame regardless of whether the received TDLS Discovery Response frame is valid or not.The intent of this paragraph is to emphasize that the receiver shall not respond an invalid request.  |
| 22107 | Srinivas Kandala | 35.3.21.2 | 585.46 | Clarify here that the "non-AP MLD" here applies to both the TDLS initiator non-AP MLD and the TDLS responder non-AP MLD, i.e. both will use this BSSID. | as in comment | RejectedConsidering that the TDLS peer may be a non-MLD non-AP STA, it’s better to keep the current text. |
| 22108 | Srinivas Kandala | 35.3.21.2 | 585.40 | The condition depicted in this paragraph should not have happened in the first place since the TDLS Discovery Request frame is transmitted through the AP MLD and the AP MLD won't forward a frame to any non-AP MLD that is not associated with that AP MLD. Initiator non-AP MLD should set the MLD MAC Address appropriately. | Please revise this paragraph | RejectedThe condition may be happened. It is because the TDLS Discovery Request Action field is encapsulated in a Data frame and transmitted to a TDLS peer STA through the AP MLD. The AP MLD will not check the received TDLS Discovery Request frame.  |
| 22109 | Srinivas Kandala | 35.3.21.2 | 585.22 | The underlying assumption for sending multiple TDLS Discovery frames with different BSSID each time is that the initiating non-AP MLD is open to establishing the TDLS link on either of the multiple links that non-AP MLD is operating on. If the non-AP MLD has only a certain link over which it intends to establish the TDLS direct link, then the non-AP MLD shall send only a single TDLS discovery request frame whose BSSID in the LI will match the BSSID of the AP operating on that link. This fact needs to be clarified here. | as in comment | RevisedAgree in principle. The text is revised as follows: In each instance, the attempted BSSID corresponds to a different link on which the non-AP MLD attempts to establish a TDLS link.**TGbe editor please implement changes as shown in doc 11-24/0357r0 tagged as 22109.** |
| 22351 | Alfred Asterjadhi | 35.3.21.2 | 586.58 | [Romain Guignard] The in-device coexistence was initially proposed to solve coexistence problem with P2P and BSS transmissions concurrently operating on EMLSR links. But it is not clear how the non-AP STA with TDLS transmission should set this in-device coexistence. | Please clarify. For example, add the following sentence in the section 35,3,21,2: "A non-AP STA affiliated with a non-AP MLD that operates TDLS direct link on one of the EMLSR links should transmit an EML Operating Mode Notification with the in-device coexistence activities field set to 1 to its associated AP MLD as defined in 35.3.17." | RevisedAgree in principle. A new paragraph is added to clarify this operation.**TGbe editor please implement changes as shown in doc 11-24/0357r0 tagged as 22351.** |

**35.3.21.2 TDLS direct link over a single link**

*TGbe editor: Please make the following change on the fourth paragraph of 11be D5.0 P587*

A non-AP MLD that initiates a TDLS discovery might not know the AP (i.e., the BSSID) with whom the intended peer STA is associated with (see NOTE 1 below). Therefore, when a non-AP MLD initiates a TDLS discovery operation, it may need to transmit more than one TDLS Discovery Request frame with the BSSID field of the Link Identifier element set to a different BSSID in each attempt. In each instance, the attempted BSSID corresponds to a different (#22109)link on which the non-AP MLD attempts to establish a TDLS link. Since the TDLS Discovery Response frame is received over the direct link, the initiating non-AP MLD shall be able to determine the link(s) on which the peer non-AP STA or non-AP MLD is operating on.

*TGbe editor: Please insert the following change at the end of subclause 35.3.21 of 11be D5.0*

(#22351) A non-AP STA affiliated with a non-AP MLD that operates a TDLS direct link on one of the EMLSR links should transmit an EML Operating Mode Notification frame with the In-Device Coexistence Activities field set to 1 to its associated AP MLD as defined in 35.3.17.