IEEE P802.11
Wireless LANs

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| Proposed Draft Text for TXOP Termination of NSTR MLD |
| Date: 2021-01-26 |
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Abstract

This submission proposes draft text for TXOP Termination of NSTR MLD

Revisions:

* Rev 0: Initial version of the document.

This submission is based on the following motion:

For a NSTR link pair of a non-AP MLD, if the non-AP MLD successfully obtains a TXOP on one link before the TBTT of the other link, then it should end its TXOP before the TBTT of the other link if it intends to receive Beacon frames on the other link.

NOTE – The non-STR MLD may not do so if it is not aware of the TSF of the other link.

[Motion 146, #SP342, [23] and [256]]

***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: Modify Clause 35 as follows:***

35. Extremely High Throughput (EHT) MAC specification

35.3 Multi-link operation

 35.3.13 Multi-link channel access

35.3.13.3 Nonsimultaneous transmit and receive (NSTR) operation

*Editor’s Note: As per the author of 20/1395r14, the following two paragraphs are TBD.*

An MLD may indicate a pair of links as STR by setting the TBD field in the TBD elements that it transmits if the receiver requirements specified in Clause 36 (Extremely high throughput (EHT) PHY specification) on one link are met whenever it is transmitting on the other link.

A pair of links that is not indicated as STR shall be indicated as NSTR.

An AP that is affiliated with an MLD should not transmit to a STA affiliated with a non-AP MLD, a frame on a link of an NSTR link pair of the non-AP MLD at the same time that the non-AP MLD is transmitting a frame on the other link of the NSTR link pair.

A STA that is affiliated with a non-AP MLD should not transmit a frame on a link of one of its NSTR link pairs at the same time that another STA that is affiliated with the same non-AP MLD is receiving a frame addressed to that receiving STA on the other link of the NSTR link pair.

An AP MLD should not transmit a frame that solicits an immediate response to a STA that is affiliated with a non-AP MLD on a link that is a member of one or more NSTR link pairs for that non-AP MLD, if the immediate response is expected to overlap in time with group addressed MPDUs scheduled in another link of any of those NSTR link pairs and the non-AP MLD is expected to be receiving those group addressed MPDUs.

If a STA that is affiliated with a non-AP MLD successfully obtains a TXOP on one link of one of its NSTR link pairs before the TBTT of the other link of the NSTR link pair, then it should end its TXOP before the TBTT of the other link if it intends to receive Beacon frames on the other link.

Note: The STA may not do so if it is not aware of the TSF of the other link.

**Straw Poll: Do you support to incorporate the proposed draft text in this document 11-21/0169r0 to the next revision of TGbe Draft 0.3?**

**Result: Yes/No/Abstain**