### IEEE P802.11Wireless LANs

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| Proposed Draft Specification for MLD Transmit Buffer Control |
| Date: 2021-02-01 |
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Abstract

We propose pdt for the following motion.

For each block ack agreement between two MLDs, there exists one transmit buffer control to submit MPDUs for transmission across links.

* TBD for separate transmit buffer control.

[Motion 112, #SP6, [19] and [229]]

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 0.4 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbe D0.4 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 35.3.7.1.1 General as follows: (Track change on)***

**35.3.7 Multi-link block ack
35.3.7.1 Multi-link BlockAck procedure
35.3.7.1.1 General**

An originator MLD shall not update the receive status for an MPDU corresponding to a block ack agreement
that has already been positively acknowledged.

The originator MLD contains a transmit buffer control for each <peer MLD, TID> tuple under a block ack agreement, independently of the number of links that are setup to submit MPDUs for transmission and releases transmit buffers upon receiving BlockAck frames from the recipient MLD.

A recipient MLD shall maintain a single common receive reordering buffer for each <peer MLD, TID>
tuple under a block ack agreement, independently of the number of links that are setup. The receive
reordering buffer shall be responsible for reordering MSDUs or A-MSDUs so that MSDUs or A-MSDUs are
eventually passed up to the next MAC process in order of received sequence number.