**IEEE P802.11  
Wireless LANs**

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| LB266 CR for 35.3.19 (NSTR Mobile AP MLO) | | | | |
| Date: 2022-10-20 | | | | |
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Abstract

This submission proposes resolutions for multiple comments related to TGbe D2.0 with the following CIDs (4 CIDs):

* 12390, 14112, 10168, 10721, 13007

Revisions:

* Rev 0: CR for #12390, #10168, #10721, #13007.
* Rev 1: Added CR for #14112. Changed the proposed CR for CID 10168, 10721, 13007.
* Rev 2: changes on proposed text for CID 12390, 14112.

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 subsequent 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** | **Subclause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- | --- |
| 12390 | Rojan Chitrakar | 35.3.19.1 | 469.12 | Why "peer device" is used here when the immediately preceding sentence and elsewhere use associated non-AP STA? | Replace "peer device" with associated non-AP STA. | Revised.  Agree with the comment in princilple.  Tgbe editor please implement changes as shown in doc 11-22/1844r3 tagged as #12390. |
| 14112 | Li-Hsiang Sun | 35.3.19.1 | 469.11 | "APs affiliated with an NSTR mobile AP MLD that are simultaneously transmitting PPDUs to the peer device affiliated with an MLD shall align the end time of PPDUs"  The AP MLD simultaneously transmitting PPDUs to more than 1 peer device on different links should also align the end of PPDUs | As in comment | Revised  Agree with the comment in princilple.  Tgbe editor please implement changes as shown in doc 11-22/1844r3 tagged as #14112. |
| 10168 | Julien Sevin | 35.3.19.1 | 468.44 | In the scope of an NSTR mobile AP MLD operation, an NSTR mobile AP MLD shall designate one link of an NSTR link pair as the primary link. No procedure has been specified to designate the primary link | Specify a procedure for designating a primary link | Rejected.  A non-AP MLD will identify an NSTR mobile AP MLD by the AP MLD type subfield set to 1 and identify the primary link through many ways such as Beacon transmission rule, nonprimary link discovery, NSTR link bitmap. No need further indication. |
| 10721 | Xiandong Dong | 35.3.19.1 | 468.45 | is it needed to difine a mechnism wrt how does the NSTR mobile AP designate a link as primary link, if not, how does the non-AP MLD know it will not send probe request on nonprimary link, please clarify | As in the comment | Rejected.  A non-AP MLD will identify an NSTR mobile AP MLD by the AP MLD type subfield set to 1 and identify the primary link through many ways such as Beacon transmission rule, nonprimary link discovery, NSTR link bitmap. No need further indication. |
| 13007 | Chunyu Hu | 35.3.19.1 | 468.44 | How is the primary link designation is done? Does it need to be signaled/advertised to (un)associated STAs? If not, is the primary link selection permanent throughput the lifetime of the BSS? | Need to develop text to address the problems raised in the comment. | Rejected.  A non-AP MLD will identify an NSTR mobile AP MLD by the AP MLD type subfield set to 1 and identify the primary link through many ways such as Beacon transmission rule, nonprimary link discovery, NSTR link bitmap. No need further indication. |

1. **Discussion**
2. **Proposed spec text**

**35.3.19 NSTR mobile AP MLD operation**

**35.3.19.1 General**

***TGbe editor: Please modify the following subclause 35.3.19.1 as follows:***

…

An NSTR mobile AP MLD shall designate one link of an NSTR link pair as the primary link. (#10900)The other link of the NSTR link pair is the nonprimary link. When the NSTR mobile AP MLD intends to change the channel/operating class for the primary link, it shall perform channel switch procedure. The NSTR mobile AP MLD shall schedule for transmissions of Beacon and Probe Response frames and group addressed Data frames only on the primary link.

…

APs affiliated with an NSTR mobile AP MLD that are simultaneously transmitting PPDUs to the  associated non-AP STAs (#12390, #14112) shall align the end time of PPDUs following the same rules that are defined for an AP MLD in 35.3.16.5 (PPDU end time alignment).

STAs affiliated with a non-AP MLD that are simultaneously transmitting PPDUs to the associated (#12390, #14112) APs affiliated with an NSTR mobile AP MLD shall align the end time of PPDUs following the same rules that are defined for an AP MLD in 35.3.16.5 (PPDU end time alignment).