IEEE P802.11
Wireless LANs

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| Proposed Draft Text for MLO: Soft AP MLD Operation |
| Date: 2020-09-24 |
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Abstract

This submission proposes draft text for MLO: Soft AP MLD Operation based on the following portions of the SFD:

1. Move to define mechanisms to support the operation of a Non-STR AP MLD in R1. The mechanisms are limited to instantiate a Non-STR Non-AP MLD as a Soft AP that could utilize all its links under TBD conditions. The exact language to govern such scope is TBD.

[Motion 125]

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Updated version based on received comments.
* Rev 2: Modified the definition parts and some wording changes
* Rev 3: Removed the last 3 paragraphs
* Rev 4: Wording changes
* Rev 5: Changed the definition part
* Rev 6: Changed the soft AP MLD definition part
* Rev 7: Changed the definition part by removing the co-located set and physical limitations
* Rev 8: Removed the MIB dot11NSTRSoftAPMLDActivated
* Rev 9: Changed the definition of soft AP MLD to TBD descriptions
* Rev10: Changed the definition of soft AP MLD back to r8 version and added “in a battery powered device”.
* Rev11: Changed the definition of soft AP MLD
* Rev12: Changed the definition of soft AP MLD
* Rev13: Removed the definition part due to need of further discussion. Recovered some texts in subclause “**NSTR Soft AP MLD Operation**” from Rev0.

***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.***

***Insert new Clause 33 following Clause 32 as follows:***

35. Extremely High Throughput (EHT) MAC specification

35.3 Multi-Link Operation

35.3.15 NSTR Soft AP MLD Operation

35.3.15.1 General

An NSTR soft AP MLD shall set dot11SoftAPMLDImplemented to true and has at least one NSTR link pair. The NSTR soft AP MLD utilizes all links of the NSTR soft AP MLD under TBD conditions.

An NSTR soft AP MLD establishes EHT BSS(s) following the rules defined in 35.7 (EHT BSS Operation) under TBD conditions.

An NSTR soft AP MLD supports simultaneous transmission of more than one PPDU under TBD conditions.

An NSTR soft AP MLD supports simultaneous reception of more than one PPDU under TBD conditions.

An NSTR soft AP MLD aligns the end time of the PPDUs as described in 35.3.12.5 (PPDU end time alignment) when the NSTR soft AP MLD simultaneously transmits more than one PPDU under TBD conditions

**Straw Poll: Do you support to incorporate the proposed draft text in this document 11-20/1407r13 to the TGbe Draft 0.1?**

**Result: Yes/No/Abstain**