IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CC50 MAC CIDs in 37.13 of D0.1 | | | | |
| Date: 2025-07-24 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu  Abstract  This submission proposed text change in 37.19 of D0.3.  2504, 3668, 2684, 1917, 2685, 3104, 3106, 872, 1918, 2164, 3107, 1561, 3108, 1919, 2429, 3109  Revisions:   * Rev 0: Initial version of the document. | NXP |  |  | Liwen.chu@nxp.com |

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

***TGbn Editor: Editing instructions preceded by “TGbn Editor” are instructions to the TGbn editor to modify existing material in the TGbn draft. As a result of adopting the changes, the TGbn editor will execute the instructions rather than copy them to the TGbn Draft.***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **CID** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 2504 | 37.13 | 85.01 | Decide whether the enhancements to eMLSR (inclusion of iFCS) are implemented in the spec as a standalone change to eMLSR for UHR, or as a combination of eMLSR with DPS both enabled and with DPS, keeping eMLSR rules and use DPS to decide whether iFCS is included or not and to add padding requirement. | as in comment | Revised  Discussion: a UHR non-AP STA may only implement EMLSR without implementing DPS, and the intermediate FCS field can help non-AP MLD’s operation since the decoding the BSRP Trigger and MU-RTS until the end of the frame is not needed. When the allowed more than one of DPS, NPCA, DSO are used by a STA, each of used DSO Switchback Delay, DPS Transition Delay, NPCA Switchback Delay whose related feature is used needs to be satified. This seems not be clarified. However when EMLSR and one of the DSO, DPS, NPCA are used in a link, and the STA in another link may only enable EMLSR, the STAs of the EMLSR non-AP MLD in the different link may have the different delays to be satisfied. One EMLSR link’s unreadiness means another link’s unreadiness. To address this issue, when a STA of a EMLSR non-AP MLD in a link uses allowed at least one of DPS, DSO, NPCA, the EMLSR STAs of the non-AP MLD in the other links share the same delays as the STA.  TGbn editor: please make changes with #2504 tag in 11-25/1094R4. |
| 3668 | 37.13 | 85.01 | Seems the only new thing here is inclusion of I-FCS in the case of eMLSR. Not sure this deserves a separate subclause just for it. Or maybe it does, but still there is a lot of redundancy here. | As in comment. | Revised  Discussion: more rules related to EMLSR should be added. When the allowed more than one of DPS, NPCA, DSO are used by a STA, each of used DSO Switchback Delay, DPS Transition Delay, NPCA Switchback Delay whose related feature is used needs to be satified. This seems not be clarified. However when EMLSR and one of the DSO, DPS, NPCA are used in a link, and the STA in another link may only enable EMLSR, the STAs of the EMLSR non-AP MLD in the different link may have the different delays to be satisfied. One EMLSR link’s unreadiness means another link’s unreadiness. To address this issue, when a STA of a EMLSR non-AP MLD in a link uses allowed at least one of DPS, DSO, NPCA, the EMLSR STAs of the non-AP MLD in the other links share the same delays as the STA.  TGbn editor: please make changes with #3668 tag in 11-25/1094R4. |
| 2684 | 37.13 | 85.05 | there is no 35.3.17 in draft 0.1. incorrect reference | correct the reference | Rejected  Discussion: 35.3.17 is the subclause in 802.11be. |
| 1917 | 37.13 | 85.07 | This sentence can be merged into the first paragraph. | Merge these two paragraphs as " A UHR MLD with dot11EHTEMLSROptionActivated equal to true shall follow the rules defined in 35.3.17 (Enhanced multi-link single-radio (EMLSR) operation) and in this subclause." | Accept  . |
| 2685 | 37.13 | 85.07 | there is no 35.3.17 in draft 0.1. incorrect reference | correct the reference | Rejected  Discussion: 35.3.17 is the subclause in 802.11be. |
| 3104 | 37.13 | 85.07 | "In EMLSR mode, a UHR non-AP MLD shall follow the rules defined in 35.3.17 (Enhanced multi-link sin-gle-radio (EMLSR) operation) and in this subclause." effectively duplicates the previous para | Delete the cited text | Rejected.  The two paragraphs are for UHR AP MLD and UHR non-AP MLD separately. |
| 3106 | 37.13 | 85.10 | "the EMLSR mode" shouldn't have an article | As it says in the comment | Revised  Discussion: Per CID 1917, the two paragraphs are merged. No further change is needed. |
| 872 | 37.13 | 85.12 | eMLSR link --> EMLSR link | As in comment. | Revised  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #872 tag in 11-25/1094R4. |
| 1918 | 37.13 | 85.12 | The text implies that transmitting intermediate FCS is a mandatory behavior for a UHR AP. | Add "that supports transmitting intermediate FCS" or such capability information after "the UHR AP MLD". Since there is no such capability for transmitting intermediate FCS defined in the draft, maybe an editor note should be added. | Rejected  Discussion: the text in D0.1 mandates that a UHR AP transmitting an ICF frame to the EMLSR STA(s) carries I-FCS in ICF frame. |
| 2164 | 37.13 | 85.12 | The first bullet reads: "The UHR AP MLD shall include an intermediate FCS in the initial Control frame on an eMLSR link, ...". Suggest to replace with "The UHR AP MLD shall include an intermediate FCS in the initial Control frame addressed to a STA affiliated with the non-AP MLD on an eMLSR link," | As in comment. | Revised  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #2164 tag in 11-25/1094R4. |
| 3107 | 37.13 | 85.12 | "eMLSR" should be "EMSLR" | As it says in the comment | Revised  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #3107 tag in 11-25/1094R4. |
| 1561 | 37.13 | 85.13 | It is necessary to explain when an intermediate FCS is needed by the non-AP MLD. | Please clarify the situations where an intermediate FCS is need by the non-AP MLD. | Rejected  Discussion: the intermediate FCS is required once a UHR non-AP STA addressed by the ICF has the padding requirement for EMLSR operation. The intermediate FCS field can help non-AP MLD’s operation since the decoding the BSRP Trigger and MU-RTS until the end of the frame is not needed |
| 3108 | 37.13 | 85.14 | Why is it "The AP affiliated with the AP MLD shall" for the second bullet but just "the UHR AP MLD shall" for the first? | Pick one and stick to it | Revised  Discussion: Generally agree with the commenter. It is the AP affiliated with the AP MLD to transmit ICF.  TGbn editor: please make changes with #3108 tag in 11-25/1094R4. |
| 1919 | 37.13 | 85.17 | There is an additional bracket and an additional comma at the end of this sentence. | Delete the bracket and the comma. | Accept |
| 2429 | 37.13 | 85.17 | There is an extra "," at the end of the line "when the intermediate FCS field is present)..". It should be deleted | As in comment | Reevised  Discussion: Generally agree with the commenter. The “),” at the end of the sentence should be removed.  See resolution of CID 1919 |
| 3109 | 37.13 | 85.17 | Spurious comma. Also 2x at 161.13 | As it says in the comment | Reevised  Discussion: Generally agree with the commenter. The “),” at the end of the sentence should be removed.  See resolution of CID 1919 |

*TGbe Editor: Please make the following changes in 37.19 of 11bn D0.3.*

**37.19 Enhanced multi-link single-radio (EMLSR) operation for a UHR non-AP MLD**

A UHR AP MLD with dot11EHTEMLSROptionActivated equal to true shall follow the rules defined in 35.3.17 (Enhanced multi-link single-radio (EMLSR) operation) and in this subclause.

In EMLSR mode, a UHR non-AP MLD shall follow the rules defined in 35.3.17 (Enhanced multi-link single-radio (EMLSR) operation) and in this subclause.

If a UHR non-AP MLD operates in EMLSR mode and is associated to a UHR AP MLD, then:

* (#2164, 3108)An AP affiliated with the UHR AP MLD shall include an intermediate FCS in the ICF addressed to a STA affiliated with the non-AP MLD on the (#872, 3107)EMLSR link, if needed by the non-AP MLD.
* The AP affiliated with the AP MLD shall set the length of the Padding field of the ICF based on the rules defined in 37.20 (Padding for an ICF) when the intermediate FCS field is present),.

(#2504, 3668) If a non-AP STA that is operating in EMLSR mode on the EMLSR link as the TXOP responder performs frame exchanges in a TXOP under any of the following conditions

* being in the NPCA primary channel,
* being in HC mode,
* being in the DSO subband,

then, the non-AP MLD with which the non-AP STA is affiliated is treated as if, in the TXOP, the EMLSR Transition Delay field has the same value as the maximum value of the following fields

* the NPCA Switch Back Delay field if the TXOP responder switches back to the primary channel,
* the DPS Transition Delay field if the TXOP responder switches back to LC mode,
* the DSO Switchback Delay field if the TXOP responder switches back to the primary channel from the DSO subband,
* the EMLSR Transition Delay field.