**3IEEE P802.11
Wireless LANs**

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| CC 50 PDT-CR on receiving ICF with I-FCS |
| Date: 2025-05-12 |
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Abstract

This submission proposes resolutions for multiple comments related to TGbn 0.1 with the following CIDs (3 CIDs):

* 2164, 2165, 2166

SP 1: Do you agree to the resolutions provided in doc 11-25/946r2 for the following CIDs for inclusion in the latest 11bn draft?

2164, 2165, 2166

Result: Yes/No/Abstain

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Minor changes to the resolution text of #2166.
* Rev 2: Changed the baseline to D0.3, included passed straw poll in discussion, made typographical changes based on comments from Brian. Changes highlighted in green.

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

***Editing instructions formatted like this are intended to be copied into the TGbn Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***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.***

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 2164 | Vishnu Ratnam | 37.13 | 85 | 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. | REVISEDAgreed in principle.TGbn editor to make the changes shown in 25/946r2 under all headings that include CID 2164. |
| 2165 | Vishnu Ratnam | 37.14 | 85 | The first sentence reads: "If an intermediate FCS and padding are required, then a UHR STA affiliated with an MLD shall set...". Suggest to replace with "If an intermediate FCS and padding are required to be included in a Trigger frame, then the transmitting UHR STA shall set ...". There is no need to refer to an MLD here, the signaling is link-specific. | As in comment. | REVISED. Agree in principle.TGbn editor to make the changes shown in 25/946r2 under all headings that include CID 2165. |
| 2166 | Vishnu Ratnam | 37.14 | 85 | The spec needs to define the receiver operation after receiving a frame containing an I-FCS field, both when the receiver is intended or not intended to receive the frame. | The commentor will bring a contribution to resolve the issue. | REVISEDAgreed in principle.TGbn editor to make the changes shown in 25/946r2 under all headings that include CID 2166. |

***Discussion***

The proposed changes for CID 2166 are based on the following straw-poll which passed with no objection on 6/16/2025:

* Do you support that a UHR STA may treat a received ICF trigger frame as successful if the CRC check on the intermediate FCS, if present, passes.

***TGbn editor: Please note Baseline is 11bn D0.3***

**TGbn Editor: *Please modify this subclause as the follows***

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

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 the EMLSR mode and is associated to a UHR AP MLD, then:

* The UHR AP MLD shall include an intermediate FCS in the Initial Control frame [#2164] addressed to a STA affiliated with the non-AP MLD on an [#2164]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 Initial Control frame based on the rules defined in 37.15 (Padding for an Initial Control frame) when the intermediate FCS field is present) [#2164].

**37.20 Use and requirements for Initial Control frames**

**TGbn Editor: *Please add below subclause title, and make changes as follows***

**37.20.1 Padding for an initial Control frame**

[TBD] If an intermediate FCS and padding are required [#2165]to be included in a Trigger frame, then [#2165]the transmitting UHR STA affiliated with an MLD shall set the length of the Padding field of a Trigger frame, that is an Initial Control frame, based on the rules defined in 35.5.2.2.3 (Padding for a Trigger frame), with the following superseding requirements:

* If a DPS STA is an intended receiver of the Trigger frame and the value in the DPS Padding Delay field received from the DPS STA is more than MinTrigProcTime, then the MinTrigProcTime is replaced by the value in the DPS Padding Delay field, and the last bit of the field that contains the intermediate FCS is at least LPAD, MAC, defined in Equation (35-1), where EMLSR\_PADDING\_DELAY is replaced by the value of the DPS Padding Delay field received from the DPS STA.

**TGbn Editor: *Please add below subclause***

**37.20.2 Reception of an initial Control frame**

[#2166]If a UHR STA receives a Trigger frame that is an initial Control frame that contains an intermediate FCS and expects to not have User Info fields addressed to it after the intermediate FCS field, then:

* The STA may treat the frame reception as successful, if the CRC check on the intermediate FCS is performed, the check passes, and the STA also performs a CRC check on the FCS field.
* The STA shall treat the frame reception as successful, if the CRC check on the intermediate FCS field is performed, the check passes, and the STA does not perform a CRC check on the FCS field.

[#2166]If a UHR STA receives a Trigger frame containing an intermediate FCS field, then the STA shall treat the frame reception as unsuccessful if the CRC check on the intermediate FCS is performed and the check fails.