IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CC50 MAC CIDs in 37.14 of 11bn D0.1 | | | | |
| Date: 2025-07-22 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu  Abstract  This submission proposed text change in 37.20 of D0.3.  874, 1447, 2165, 2505, 2524, 2686, 3110, 1422, 3111, 3112, 3196, 2687, 2166  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** |
| 874 | 37.14 | 0.00 | If there is no more addition, this subclause can be deleted and it can be described in the baseline subclause, 35.5.2.2.3. | As in comment. | Rejected  Discussion: various 11bn new features require the padding and I-FCS where the padding starts right after the last User Info field carrying I-FCS. When multiple features require the padding, the padding requirement of each feature is independently satisfied. |
| 1447 | 37.14 Padding for an Initial Control Frame | 85.23 | Passed motion 287 specifies that not an MU-RTS frame but an RTS frame can be an ICF for the DPS mode. Should this RTS have an intermediate padding feature? | This RTS frame should be a typical RTS frame to associate legacy STAs with the DPS AP, not a UHR frame format. It should be clarified. The commenter will contribute a presentation(s) about this issue. | Rejected  Discussion: RTS as ICF of DPS is allowed only when the padding requirement of the DPS STA has zero value. |
| 2165 | 37.14 | 85.23 | 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  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #2165 tag in 11-25/1097R3. |
| 2505 | 37.14 | 85.23 | Padding needs to be revisited to make sure all MAC features requirering padding are covered by the rules. We need to make sure that if multiple features are enabled and all require padding, the the AP shall fullfull the padding requirement for all the features. | as in comment | Revised  Discussion: Generally agree with the commenter. The following 11bn features may need to padding: DSO, DPS besides EMLSR/EMLMR in baseline spec. The various padding requirements need to be satified independently.  TGbn editor: please make changes with #2505 tag in 11-25/1097R3. |
| 2524 | 37.14 | 85.23 | The protected control frames handling shall be simple for IoT devices and simple client devices. The integrity protection of the frame may require additional processing time that may not be easy to implement to IoT devices. | Please allow the recipient of the frame to configure additional padding time to integrity verify the protected control frame, as specified in the submission 11-24-2055. | Rejected  Discussion: The control frame protection is not covered by 11bn. The commenter is welcome to submit the comment to the appropriate TG. |
| 2686 | 37.14 | 85.23 | Unclear what is "TBD" at the start of the paragraph, if the entire sentence or paragraph is TDB, it is better to remove before it is determined. | as in comment | Revised  Discussion: various 11bn new features require the padding and I-FCS where the padding starts right after the last User Info field carrying I-FCS. When multiple features require the padding, the padding requirement of each feature is independently satisfied.  TGbn editor: please make changes with #2686 tag in 11-25/1097R3. |
| 3110 | 37.14 | 85.24 | "a Trigger frame, that is an initial Control frame, based on" shouldn't have commas | As it says in the comment | Revised  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #3110 tag in 11-25/1097R3. |
| 1422 | 37.14 | 85.25 | The rules should be clarified since DPS padding delay can be different from EMLSR Padding delay depending on the signaling of DPS padding delay, e.g., EMLSR Padding delay is the value of the EMLSR Padding Delay subfield (in table) while DPS Padding delay can be delay value itself. | as in the comment. | Revised  Discussion: Generally agree with the commenter. The following 11bn features may need to padding: DSO, DPS besides EMLSR/EMLMR in baseline spec. The various padding requirements need to be satified independently.  TGbn editor: please make changes with #1422 tag in 11-25/1097R3. |
| 3111 | 37.14 | 85.28 | "the MinTrigProcTime" shouldn't have an article | As it says in the comment | Revised  Discussion: Generally agree with the commenter.  TGbn editor: please make changes with #3111 tag in 11-25/1097R3 |
| 3112 | 37.14 | 85.30 | "at least LPAD, MAC," not clear (maybe a formatting issue?) | As it says in the comment | Revised  Discussion: Generally agree with the commenter. “LPAD, MAC” Should be LPAD, MAC.  TGbn editor: please make changes with #3112 tag in 11-25/1097R3 |
| 3196 | 37.14 | 85.30 | "LPAD, MAC" should be changed to math symbol | Change "LPAD, MAC" to math symbol "L\_{PAD, MAC}" | Revised  Discussion: Generally agree with the commenter. “LPAD, MAC” Should be LPAD, MAC.  TGbn editor: please make changes with #3196 tag in 11-25/1097R3 |
| 2687 | 37.14 | 85.31 | It is unclear what "LPAD, MAC", no such expression exists in D0.1 or RevME. Please correct | as in comment | Revised  Discussion: Generally agree with the commenter. “LPAD, MAC” Should be LPAD, MAC.  TGbn editor: please make changes with #2687 tag in 11-25/1097R3 |
| 2166 | 37.14 | 85.34 | 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. |  |

*TGbe Editor: Please make the following changes in 37.20 of 11bn D0.3.*

**37.20 Padding for an ICF**

(#2686)If an intermediate FCS and padding are required in a ICF addressed to a UHR STA affiliated with an MLD(# 2165) by one or more modes of operation enabled by the UHR STA(#2505), then the peer UHR STA affiliated with an MLD shall set the length of the Padding field of (#3110)the ICF, based on the rules defined in 35.5.2.2.3 (Padding for a Trigger frame), with the following superseding requirements:

* (#2505, 1422)The padding shall satisfy independently the padding requirement of each mode of operation enabled by the UHR STA, wherein the padding requirement is specified in
* the UHR STA’s DPS Padding Delay field for the enabled DPS mode (see 37.15.1 (Dynamic power save (DPS) operation)),
* the UHR STA’s DSO Padding Delay field for the enabled DSO mode if the STA is switching to the DSO subband (see 37.24 (Dynamic Subband Operation)),
* the EMLSR Padding Delay field of the non-MLD with which the UHR STA is affiliated for the enabled EMLSR mode (see 37.19 (Enhanced multi-link single-radio (EMLSR) operation for a UHR non-AP MLD)),
* the UHR STA’s MIC Padding Delay when Control frame protection is negotiated (see 12.5.5.7 (Padding)).
* (#2505, 1422)For each of the following modes EMLSR, DSO, and DPS enabled by the UHR STA with the padding requirement, (#3111) the bits after the last User Info field carrying the intermediate FCS are at least (#3112, 3196, 2687) LPAD, MAC, defined in Equation (35-1), where mPAD is equal to 0 if the padding requirement of the mode is equal to 0 and mPAD is equal to the padding requirement of the mode if the padding requirement of the mode is not equal to 0.