IEEE P802.11  
Wireless LANs

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| LB279 Comment Resolution – PICS section | | | | |
| Date: 2024-02-20 | | | | |
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Abstract

This submission proposes to address the following CIDs 1357, 1006, 1089, 1119, 1120, 1127, 1369 (total of 7) based in Draft P802.11REVme\_D4.2, and Draft P802.11bk D1.0.

Revisions:

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

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

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

**The text preceded by “Discussion” is not part of the adopted changes.**

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1357 | 98 | B | What has changed on this page? There must be some PICS entries for 11bk, surely? | Clarify | **Revised.**  Agree in principle, submission 11-24-155 identify a set of specific changes to clause B.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |
| 1006 | 98.3 | B.4 | PICS is missing | Added relevant PICS | **Revised.**  Agree in principle, submission 11-24-155 identify a set of specific changes to clause B.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |
| 1089 | 98.3 | B.4 | Section B.4 is empty | Complete PICS | **Revised.**  Agree in principle, submission 11-24-155 identify a set of specific changes to clause B.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |
| 1119 | 98.4 | B.4 | The PICS CFTB, CFNT, CFPT, CFPS, and EP7.1 have in the STATUS column CFHE but not CFEHT and should be generalized to include CFEHT. | Please change the Status column of the PICS CFTB, CFNT, CFPT, CFPS, and EP7.1 from "CFHE:O" to "(CFHE OR CFEHT):O" | **Revised**  Agree in principle.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |

*Resolution for CIDs 1357, 1006, 1089, 1119:*

*TGbk editor, make changes identified below to clause B.4.3 IUT Configuration:*

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| **B.4.3 IUT configuration** | | | | | | | | |
| **Item** | **IUT configuration** | | **References** | | **Status** | | **Support** | |
| CFTB | | Support for FTM TB sounding | | [11.21.6.4.3](#H11o21o6o4o3) (Fine timing measurement (FTM) procedure) | | (CFHE OR CFEHT):O (#1357, 1006, 1089, 1119) | | Yes  No  |
| CFNTB | | Support for FTM Non TB sounding | | [11.21.6.4.4](#H11o21o6o4o4) (Non-TB ranging measurement exchange) | | (CFHE OR CFEHT OR CFNGV):  :O  (#1119) | | Yes  No  |
| CFPTB | | Support for Passive Sounding | | [11.21.6.4.8](#H11o21o6o4o8) Measurement exchange in passive TB ranging mode | | (CFHE OR CFEHT): O (#1119) | | Yes  No  |
| CFPASN | | Support for PASN | | [[12.12](#H12o12)](#H12o13) (Preassociation Security Negotiation) | | PC34:O | | Yes  No  |
| CFPSEC | | Support for PHY security, ability to transmit and receive secure LTF waveforms for TB and non-TB operation. | | [11.2.6.4.6](#H11o22o6o4o6)  (Secure non-TB and TB ranging measurement exchange protocol) | | PC34 AND  (CFHE OR CFEHT):O(#1119) | | Yes  No  |

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| **CID** | **P.L** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 1120 | 98.4 | B.4 | The base line REVme D4.1 defines the following PICS features for Enhanced Positioning with respect to HE: EPP1.1 HE ranging NDP EPP1.2 HE ranging NDP with secure HE-LTFs EPP1.3 HE TB ranging NDP EPP1.4 HE TB ranging NDP with secure HE-LTFs  Generalize the MIBs so that they are applicable both to HE or EHT | Please repalce in the Protocol capability column "HE ranging" and "HE TB ranging" with "HE/EHT ranging" and "HE/EHT TB ranging" and in the References column for EPP1 add 36.3 (EHT PHY), for EPP1.1 add 36.3.4.1 (EHT Ranging NDP), for EPP1.2 add 36.3.4.1 (EHT Ranging NDP), for EPP1.3 add 36.3.4.2 (EHT TB Ranging NDP), and for EPP1.4 add 36.3.4.2 (EHT TB Ranging NDP). | **Revised.**  Agree in principle, submission 11-24-155 identify a set of specific changes to clause B.4.37.2 EP PHY features  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |
| 1127 | 98.3 | B.4 | In this draft, there are no updates to the PICS. Surely this amendement define some requirments that need to be reflected in the PICs | Update the PICS to summarize the requirements given in this amendment. | **Revise.**  Agree in principle, some elements of the PICS relevant to ranging has been updated as needed.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |
| 1369 | 98.4 | B.4 | Annex B update information is missing | Add the PICS details for 320 MHz prositioning support | **Revise.**  Agree in principle, some elements of the PICS relevant to ranging has been updated as needed.  TGbk editor make changes identified in r3 of <https://mentor.ieee.org/802.11/documents?is_dcn=155&is_year=2024> |

*Resolution for CIDs 1120, 1120, 1127, 1369:*

*TGbk editor, make changes identified below to clause B.4.37.2 EP PHY features:*

**B.4.37 Enhanced positioning (Ranging) features**

**B.4.37.2 EP PHY features**

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| **Item** | **Protocol capability** | **References** | **Status** | **Support** |
|  | Are the following PHY protocol features supported? |  |  |  |
| EPP1 | EP TB and non-TB measurement exchange waveforms | [27.3](#H27o3) (HE PHY)  37.3 (EHT PHY) (#1120, 1127, 1369) |  |  |
| EPP1.1 | HE ranging NDP | 27.3.19.1 (HE Ranging NDP) | (CFTB OR CFNTB OR CFPTB):M | Yes  No  N/A  |
| EPP1.2 | HE ranging NDP with secure LTFs | 27.3.19.1 (HE Ranging NDP) | (CFTB OR CFNTB):M  CFPASN:M  CFPSEC:M | Yes  No  N/A  |
| EPP1.3 | HE TB ranging NDP | 27.3.19.2 HE TB Ranging NDP | CFTB:M | Yes  No  N/A  |
| EPP1.4 | HE TB ranging NDP with secure LTFs | 27.3.19.2 HE TB Ranging NDP | CFPASN:M  CFPSEC:M  CFTB:M | Yes  No  N/A  |
| EPP1.5 | EHT ranging NDP | 36.3.4.1 EHT Ranging NDP  (#1120, 1127, 1369) | (CFTB OR CFNTB OR CFPTB):O | Yes  No  N/A  |
| EPP1.6 | EHT ranging NDP with secure LTFs | 36.3.4.1 EHT Ranging NDP  (#1120, 1127, 1369) | (CFTB OR CFNTB):O  CFPASN:O  CFPSEC:O | Yes  No  N/A  |
| EPP1.7 | EHT TB ranging NDP | 36.3.4.2 EHT TB Ranging NDP (#1120, 1127, 1369) | CFTB:O | Yes  No  N/A  |
| EPP1.8 | EHT TB ranging NDP with secure LTFs | 36.3.4.2 EHT TB Ranging NDP (#1120, 1127, 1369) | CFPASN:O  CFPSEC:O  CFTB:O | Yes  No  N/A  |