IEEE P802.11Wireless LANs

|  |
| --- |
| Proposed Resolutions for CID 7217 of 11az SAB1  |
| Date: 2022-05-10 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Tianyu Wu | Apple Inc.  |  |  | tianyu@apple.com |
| Qi Wang |  |  | qi\_wang2@apple.com |

Abstract

This submission proposes the resolutions to 11az SA1 CID 7217.

The page and line numbers refer to those in 11az Draft 4.1 [1].

**Introduction**

This submission proposes the resolutions to 11az SAB1 CID 7217.

The page and line numbers refer to those in 11az Draft 4.1 [1].

**Comments:**

**CID 7217**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CID | Page/Line | Clause | Comment | Proposed change | Resolution |
| 7217 | 267/03 | B.4.37.2 | Annex B needs to be updated. The term NGP is no longer used. Additionally, section B.4.37.2 is missing Tx Window from PHY PICS section | Remove NGP and update with row for Tx Window. Also note p.268 | Revised. Agree with commenter to update the Annex B. TGaz editor: please incorporate the text changes in this document (22/0739r0) with tag #7217. |

**~~Proposed resolution~~**

***~~TGaz Editors: Please modify the text on page 264/line 1 of D4.1 as shown below: (#7217)~~***

**~~B.4.37 Enhanced Positioning (Ranging) features~~**

**~~B.4.37.1 EP MAC Features (#3281, #3387)~~**

***~~TGaz Editors: Please change all NGP to EP in B.4.37.1 of D4.1 (#7217)~~***

**~~B.4.37.2 EP PHY Features (#3281, #3387)~~**

***~~TGaz Editors: Please change all NGP to EP in B.4.37.2 of D4.1 (#7217)~~***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **~~Item~~** | **~~Protocol capability~~** | **~~References~~** | **~~Status~~** | **~~Support~~** |
|  | ~~Are the following PHY protocol features supported?~~ |  |  |  |
| ~~EPP1~~ | ~~EP TB and non-TB measurement exchange waveforms~~ | ~~[27.3](#_bookmark332) (HE PHY)~~ |  |  |
| ~~EPP1.1~~ | ~~HE ranging NDP~~ | ~~[27.3.18a](#_bookmark336) (HE~~~~Ranging NDP)~~ | ~~(CFTB OR CFNTB OR CFPTB):M~~ | ~~Yes  No  N/A ~~ |
| ~~EPP1.2~~ | ~~HE ranging NDP with secure HE- LTFs~~ | ~~[27.3.18a](#_bookmark336) (HE~~~~Ranging NDP)~~ | ~~(CFTB OR CFNTB):M CFPASN:M CFPSEC:M~~ | ~~Yes  No  N/A ~~ |
| ~~EPP1.3~~ | ~~HE TB ranging NDP~~ | ~~[27.3.18b](#_bookmark341) (HE~~~~TB Ranging NDP)~~ | ~~CFTB:M~~ | ~~Yes  No  N/A ~~ |
| ~~EPP1.4~~ | ~~HE TB ranging NDP with secure HE-LTFs~~ | ~~[27.3.18b](#_bookmark341) (HE~~~~TB Ranging NDP)~~ | ~~CFPASN:M CFPSEC:M CFTB:M~~ | ~~Yes  No  N/A ~~ |
| ~~EPP2~~ | ~~MIMO operation~~ |  |  |  |
| ~~EPP2.1~~ | ~~Multi transmit streams~~ | ~~[11.21.6.4.3](#_bookmark225)~~~~(TB ranging measurement~~ | ~~(CFTB or CFNTB):M~~ | ~~Yes  No  N/A ~~ |

**References**

[1] IEEE P802.11az™/D4.1, Draft Standard for information technology – Telecommunications and information exchange between systems Local and metropolitan area networks – Specific requirements, Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications, Amendment 4: Enhancements for positioning