IEEE P802.11
Wireless LANs

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| 10.71.5.1 LB290 Comments |
| Date: 2025-09-16 |
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Abstract

This submission proposes resolution of comments against following clauses of TGbi:

* 10.71.5.1(MAC header anonymization parameter set selection)

We propose draft specification text for TGbi draft D2.1.

Resolved CIDs (7): 2205, 2206, 2250, 2251, 2252, 2254, 2417

Revisions:

* Rev 00: Initial version of the document.

**Background**

These are this easily-resolvable against clause 10.71.5.1– the remaining CIDs against clause 10.71.5.1 (General) will be submitted in other documents.

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| **CID** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 2250 | 10.71.5.1 | 106.65 | It is CPE parameters, so should apply non-AP MLD specific offset. | Change "for the current EPP epoch in the EPP epoch sequence of the non-AP MLD" to "using the current non-AP MLD Specific Collision Epoch Offset for the EPP epoch of the BPE non-AP MLD" | **Rejected****Rationale:** Clause 10.71.3 takes the current non-AP MLD Specific Collision Epoch Offset into account when deriving the CPE MHA parameter set for the current epoch, so the existing text is correct. |
| 2205 | 10.71.5.1 | 107.30 | Phrase "Retransmissions are addressed in 10.71.2.3 (EPP epoch transition operations).". If you go to 10.71.2.3 It refers to 10.71.2.1 for retransmissions, but in 10.71.2.1 there is nothing about retransimssions. | Include correct reference or text about retransmissions | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2205 in this document. |
| 2251 | 10.71.5.1 | 107.41 | It is CPE parameters, so should apply non-AP MLD specific offset. | Change "for the current EPP epoch in the EPP epoch sequence of the BPE AP MLD" to "using the current non-AP MLD Specific Collision Epoch Offset for the EPP epoch of the BPE non-AP MLD". | **Rejected****Rationale:** Clause 10.71.3 takes the current non-AP MLD Specific Collision Epoch Offset into account when deriving the CPE MHA parameter set for the current epoch, so the existing text is correct. |
| 2252 | 10.71.5.1 | 107.51 | It is BPE parameters, it is not non-AP MLD specific, so we should not apply non-AP MLD specific offset. | Change "using the current non-AP MLD Specific Epoch Number for the EPP epoch of the AP MLD" to "for the current EPP epoch in the EPP epoch sequence of the BPE AP MLD" | **Agreed** |
| 2417 | 10.71.5.1 | 107.51 | Regarding the textt "using the current non-APMLD Specific Epoch Number for the EPP epoch of the AP MLD":This text should be updated to align with corresponding text at page 107 line 41. | Replace the identified text with:"for the current EPP epoch in the EPP epoch sequence of the BPE AP MLD" | **Agreed** |
| 2254 | 10.71.5.1 | 108.04 | Does this mean if BPE is enabled, there will be only one EPP group? If there are multiple EPP groups created, the current epoch number of different groups are definitely different, then which one should the AP use for BPE parameters? If there is only one EPP group, sounds like BPE loses much benefit of CPE. | Suggest make the default group as BPE EPP group, BPE parameters are generated using this group, CPE parameters are generated using per-non-AP MLD EPP group. | **Rejected**.**Rationale**: There is only one EPP group for BPE. See p117 line 20.  |
| 2206 | 10.71.5.2 | 108.47 | What is IQMF in the phrase:If the MAC header of the frame includes a Sequence Control field using sequence number space SNS12(IQMF) ), | What is IQMF?, I think there should be a reference to where QMF is defined | **Rejected**. **Rationale**: NOTE 1 (at the start of the clause) references Table 10-5 (Transmitter sequence number spaces) where the SNS name spaces are identified, including SNS12 (IQMF) |

| CID | Detailed response | Authors’ proposal | Notes |
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| 2250 | **Rejected**. The rationale is provided in the “Resolution” column of the CID table. | Reject | **N/A** |
| 2205 | **Revised**:**Change:** **P107, line 30, line 43 and line 54**.Replace "Retransmissions" with:"Completion of frame exchaneg sequences and TXOPs".  | Revised (updated change) | **Applied** |
| 2251 | **Rejected**. The rationale is provided in the “Resolution” column of the CID table. | Reject | **N/A** |
| 2252 | **Agreed**. Note to editor: Group # 2252 and #2417 | Use proposed change | **Applied** |
| 2417 | **Agreed**. Note to editor: Group # 2252 and #2417 | Use proposed change | **Applied** |
| 2254 | **Rejected**. The rationale is provided in the “Resolution” column of the CID table. | Reject | **N/A** |
| 2206 | **Rejected**. The rationale is provided in the “Resolution” column of the CID table. | Reject | **N/A** |

***TGbi editor: Apply the following changes to the text in clause 10.71.5.1 (MAC header anonymization parameter set selection)***

* **MAC header anonymization parameter set selection**

If the AP MLD does not have BPE FA mechanisms enabled, then:

* The transmitting MLD shall generate the applicable CPE MHA parameter set according to 10.71.3 (Establishing CPE MAC header anonymization parameter sets), for the current EPP epoch in the EPP epoch sequence of the non-AP MLD at the time when a frame is to be transmitted for the first time. Completion of frame exchange sequences and TXOPs (#2205) are addressed in 10.71.2.3 (EPP epoch transition operations).
* The transmitting MLD shall perform sequence number anonymization (10.71.5.2 (Sequence number anonymization)), packet number anonymization (10.71.5.3 (Packet number anonymization)) and address anonymization for affiliated STA of the non-AP MLD (10.71.5.4 (Addressing)) on individually addressed frames using the selected CPE MHA parameter set.

If the AP MLD has BPE FA mechanisms enabled, then:

* The transmitting BPE MLD shall generate the applicable CPE MHA parameter set according to 10.71.3 (Establishing CPE MAC header anonymization parameter sets), for the current EPP epoch in the EPP epoch sequence of the BPE AP MLD at the time when a frame is to be transmitted for the first time. Completion of frame exchange sequences and TXOPs (#2205) are addressed in 10.71.2.3 (EPP epoch transition operations).
* The transmitting BPE MLD shall perform sequence number anonymization (10.71.5.2 (Sequence number anonymization), packet number anonymization (10.71.5.3 (Packet number anonymization)) and address anonymization for the affiliated STAs of the BPE non-AP MLD (10.71.5.4 (Addressing)) on individually addressed frames using the selected CPE MHA parameter set.
* The transmitting BPE MLD shall generate the applicable BPE MHA parameter set according to 10.71.4 (Establishing BPE MAC header anonymization parameter sets), for the current EPP epoch in the EPP epoch sequence (#2252, #2417) of the AP MLD at the time when a frame is to be transmitted for the first time. Completion of frame exchange sequences and TXOPs (#2205) are addressed in 10.71.2.3 (EPP epoch transition operations).
* A transmitting BPE MLD shall perform address anonymization for the affiliated APs of the BPE AP MLD (10.71.5.4 (Addressing)) using the selected BPE MHA parameter set in all frames.
* A transmitting BPE AP MLD shall perform the following using the applicable BPE MHA parameter set:
* sequence number anonymization (10.71.5.2 (Sequence number anonymization)), packet number anonymization (10.71.5.3 (Packet number anonymization)), anonymization (10.71.5.4 (Addressing)) on group addressed frames
* timestamp anonymization (10.71.5.5 (Timestamp anonymization)) for Privacy Beacon frames using the selected BPE MHA parameter set.

NOTE—If the AP MLD has BPE FA mechanisms enabled, then the EPP epoch of the non-AP MLD is also the EPP epoch of the AP MLD.