IEEE P802.11
Wireless LANs

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| 10.71.5.4 and 10.71.6.1 LB290 comments |
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Abstract

This submission proposes resolution of comments against following clauses of TGbi draft D2.0:

* 10.71.5.4 (Addressing)
* 10.71.6.1 (Address filtering)

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

Resolved CIDs (11): 2420, 2421, 2422, 2425, 2259, 2426, 2260, 2427, 2352, 2428, 2429

Revisions:

* Rev 00: Initial version of the document.

**Background**

Most significant changes are reorganizing/rewriting to address CID #2259 (avoiding redundant text).

| **CID** | **Clause Number(C)** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 2420 | 10.71.5.4 | 109.63 | Regarding the item starting "EPP\_STA\_address[0:45]":other subclauses of 10.71.5 use the language "applicable CPE MHA parameter set", while this text use the language "CPE\_MHA\_block ... generated for the current EPP epoch". Align this text with other clauses. | Replace the identified item with the following text:"EPP\_STA\_address[0:45] shall be extracted from the applicable CPE MHA parameter set as described in Table 10-40c (Extracting EPP\_STA\_address values from CPE\_MHA\_block), according to the link ID of thelink." | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2420 in this document. |
| 2421 | 10.71.5.4 | 110.07 | Regarding the item starting "EPP\_AP\_address[0:45]":other subclauses of 10.71.5 use the language "applicable "applicable BPE MHA parameter set", while this text use the language BPE\_MHA\_block ... generated for the current EPP epoch". Align this text with other clauses. | Replace the identified item with the following text:"EPP\_AP\_address[0:45] shall be extracted from the applicable CPE MHA parameter set as described in Table 10-40i (Extracting EPP\_AP\_address values from the BPE\_MHA\_block), according to the link ID of thelink." | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2421 in this document. |
| 2422 | 10.71.5.4 | 110.29 | The description of computing OTAGroupAddresss (lines 29 to 40) does not align with the description for forming EPP\_STA\_address (page 109 line 63) and EPP\_AP\_address (page 110, line 7) | Replace the identified text with:"-- The AP MLD shall set the Address 1 field value of a group addressed frame to OTAGroupAddress which is the MAC addressed defined as follows:\* The Local/Global bit of the OTAGroupAddress shall be set to value 1, local address.\* The Individual/Group bit of the OTAGroupAddres shall be set to value 1, group address. \* OTAGroupAddress[0:45] = (Address 1 [0:45] + EPP\_Group\_Anonymization\_Offset) mod 2^{46}, where EPP\_Group\_Anonymization\_Offsetshall be extracted from the applicable BPE MHA parameter set as described in Table 10-40j (Extracting EPP\_Group\_Anonymization\_Offset from BPE\_MHA\_Block)."Note to Editor: "2^{46}" should be represented a 2 followed by a superscript of "46". | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2422 in this document. |
| 2425 | 10.71.6.1.1 | 111.08 | Regarding the text "Address filtering shall be applied per 10.2.8 (MAC data service) with the addressing clarifications in10.71.5.4 (Addressing)..":This reader should not be looking to 10.71.5.4 for addressing clarifications because the addressing clarifications are in the subclauses of 10.71.6 (including the present subclause). However, it is useful to point our that these addressing clarifications are needed to accommodate the changes for FA defined in 10.71.5.4 (Addressing). | Replace the identfied text with:"Address filtering shall be applied per 10.2.8 (MAC data service) with the addressing clarifications in 10.71.6.1 (Address filtering)NOTE--The changes in in 10.71.6.1 (Address filtering) accommodate the changes to addressing described in 10.71.5.4 (Addressing).. | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2425 in this document. |
| 2259 | 10.71.6.1.1 | 111.12 | Text between P111L12 and P111L32 duplicates with clause 10.71.5.4, it is a bad practice. A simple reference to clause 10.71.5.4 as existing P111L10 is enough. | Remove text between P111L12 and P111L45. And move text related to group address deanonymization (text between P111L33 and P111L45) into clause 10.71.5.4. | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2259 in this document. |
| 2426 | 10.71.6.1.1 | 111.33 | The description of obtainnig the deanonymized group address (lines 33 to 42) does not align with the description for forming EPP\_STA\_address (page 111 line 14) and EPP\_AP\_address (page 110, line 23) | Replace the identified text with:"-- An STA affiliated with a BPE non-AP MLD shall obtain the deanonymized group address for an identified EPP epoch from a received group address (that is, OTAGroupAddress) as follows:\* The Local/Global bit of the group address shall be set to value 1, local address.\* The Individual/Group bit of the group address shall be set to value 1, group address. \* Group address[0:45] = (OTAGroupAddress [0:45] - EPP\_Group\_Anonymization\_Offset) mod 2^{46}, where EPP\_Group\_Anonymization\_Offset shall be extracted from the applicable BPE MHA parameter set as described in Table 10-40j (Extracting EPP\_Group\_Anonymization\_Offset from BPE\_MHA\_Block)."Note to Editor: "2^{46}" should be represented a 2 followed by a superscript of "46". | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2426 in this document. |
| 2260 | 10.71.6.1.2 | 111.49 | Non-EPP AP MLD does not have BPE FA mechanisms enabled. | Change to "This clause applies when the AP MLD has CPE FA mechanisms enabled and does not have BPE FA mechanisms enabled" | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2260 in this document. |
| 2427 | 10.71.6.1.2 | 111.49 | Regarding the text "This clause applies when the AP MLD does not have BPE FA mechanisms enabled.":I assume this text should be normative. | Replace the identified text with:"This clause shall apply when the AP MLD does not have BPE FA mechanisms enabled." | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2427 in this document. |
| 2352 | 10.71.6.1.2 | 111.54 | the name of the "dot11EPPEpochStartTimeMargin period" according to the figure 10-166b and associated text is "margin period". Please harmonize the naming | change the text to : "during the margin period and the transition period of the EPP epoch" | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2352 in this document. |
| 2428 | 10.71.6.1.3 | 112.14 | Regarding the text "This clause applies when the AP MLD has BPE FA mechanisms enabled.":I assume this text should be normative. | Replace the identified text with:"This clause shall apply when the AP MLD has BPE FA mechanisms enabled." | **Revised****Instructions to the editor:** Please makes the changes as shown under CID 2428 in this document. |
| 2429 | 10.71.6.1.4 | 112.61 | Regarding the text "If dot11FrameAnonymizationMechanismActivated is bpe(2)":This corresponding MIB is not defined. Update this text to align with similar text in the document. | Replace the identified text with:"If the AP MLD has BPE FA mechanisms enabled" | **Agreed** |

| CID | Detailed response | Authors’ proposal | Notes |
| --- | --- | --- | --- |
| 2420 | Agreed in principle. The applicable text has been moved to 10.71.5.1.2 | Revised (updated change) |  |
| 2421 | Agreed in principle. The applicable text has been moved to 10.71.5.1.2 |  |
| 2422 | Agreed in principle. The applicable text has been moved to 10.71.5.1.2 |  |
| 2425 | Agreed in principle. |  |
| 2259 | Agreed in principle. Required significant updates to 10.71.5.4 and 10.71.6.1 |  |
| 2426 | Agreed in principle.  |  |
| 2260 | This text moved to 10.71.6.1.1. Also impacts headings of (new) 10.71.5.4.3, (new) 10.71.5.4.3, (existing) 10.71.6.1.2 and (existing) 10.71.6.1.2. |  |
| 2427 | This text moved to 10.71.6.1.1 |  |
| 2352 |  Agreed in principle. A similar change is required at P112 L33  |  |
| 2428 | This text moved to 10.71.6.1.1 |  |
| 2429 | The proposed change is good. | Use proposed change |  |

***TGbi editor: Apply the following changes to the text in clause 10.71.5.2 (Sequence number anonymization)***

* **Sequence number anonymization**

NOTE 1—The sequence number spaces are defined in Table 10-5 (Transmitter sequence number spaces).

NOTE 2—The applicable CPE MHA parameter set for a frame is determined in 10.71.5.1 (MAC header anonymization parameter set selection). If the AP MLD has BPE enabled, then the applicable BPE MHA parameter set for a frame is determined in 10.71.5.1 (MAC header anonymization parameter set selection).

***TGbi editor: Apply the following changes to the text in clause 10.71.5.3 (Packet number anonymization)***

10.71.5.3 Packet number anonymization

NOTE—The applicable CPE MHA parameter set for a frame is determined in 10.71.5.1 (MAC header anonymization parameter set selection). If the AP MLD has BPE enabled, then the applicable BPE MHA parameter set for a frame is determined in 10.71.5.1 (MAC header anonymization parameter set selection).

***TGbi editor: Apply the following changes to the text in clause 10.71.5.4 (Addressing)***

* **Address anonymization** (#2259)
	+ - * 1. **General** (#2259)

MLD addressing shall be applied per 35.3.2 (MLD addressing) with the following addressing clarifications:

* The MHA addresses are defined in 10.71.5.4.3 (MHA addresses).
* If CPE FA mechanisms are enabled and BPE FA mechanisms are disabled, then 10.71.5.4.3 (Addressing when CPE FA is enabled and BPE FA is disabled) shall be applied.
* If CPE FA mechanisms are enabled and BPE FA mechanisms are enabled, then 10.71.5.4.4 (Addressing when CPE FA is enabled and BPE FA is enabled) shall be applied. (#2259)
	+ - * 1. **MHA addresses** (#2259)

When a non-AP MLD has CPE FA mechanisms enabled – either with or without BPE FA mechanisms enabled – then an affiliated STA of the non-AP MLD is identified by a per-EPP-epoch MAC address denoted EPP\_STA\_address. (#2259)

A link-specific EPP\_STA\_address of an affiliated STA (of the non-AP MLD) (#2259) on a given link for a given EPP epoch of the non-AP MLD (#2259) shall be the MAC address defined as follows:

* The Local/Global bit shall be set to value 1, local address.
* The Individual/Group bit shall be set to value 0, individual address.
* EPP\_STA\_address[0:45] shall be extracted from the CPE MAC header anonymization parameter set of the non-AP MLD for the given EPP epoch, according to the link ID of the given link. (#2420, #2259)

When an AP MLD has CPE FA mechanisms enabled and BPE mechanisms enabled, then

* an affiliated AP is identified by a per-EPP-epoch MAC address denoted EPP\_AP\_address.
* the AP MLD transforms a group address into a per-EPP-epoch anonymized group address denoted OTAGroupAddress, which transmitted in Address 1. A non-AP MLD transforms a received OTAGroupAddress into a deanonymized group address, which is (nominally) the original group address. (#2259)

A link-specific EPP\_AP\_address assigned to an affiliated AP (of the AP MLD) (#2259) on a given link for a given EPP epoch (#2259) shall be the MAC address defined as follows:

* The Local/Global bit shall be set to value 1, local address.
* The Individual/Group bit shall be set to value 0, individual address.
* EPP\_AP\_address[0:45] shall be extracted from the BPE MAC header anonymization parameter of the AP MLD for the given EPP epoch, according to the link ID of the given link. (#2421, #2259)

An anonymized group address (denoted OTAGroupAddress) corresponding to a group address for a given EPP epoch shall be the MAC addressed defined as follows:

* The Local/Global bit of the OTAGroupAddress shall be set to value 1, local address.
* The Individual/Group bit of the OTAGroupAddress shall be set to value 1, group address.
* OTAGroupAddress[0:45] = (group address[0:45] + EPP\_Group\_Anonymization\_Offset) mod 246, where EPP\_Group\_Anonymization\_Offset shall be the single EPP\_Group\_Anonymization\_Offset value extracted from the BPE MAC header anonymization parameter of the AP MLD for the given EPP epoch. (#2259, #2422)

A deanonymized group address corresponding to a received anonymized group address (denoted OTAGroupAddress) for a given EPP epoch shall be the MAC addressed defined as follows:

* The Local/Global bit of the deanonymized group address shall be set to value 1, local address.
* The Individual/Group bit of the deanonymized group address shall be set to value 1, group address.
* deanonymized group address[0:45] = (OTAGroupAddress[0:45] − EPP\_Group\_Anonymization\_Offset) mod 246, where EPP\_Group\_Anonymization\_Offset shall be the single EPP\_Group\_Anonymization\_Offset value extracted from the BPE MAC header anonymization parameter of the AP MLD for the given EPP epoch. (#2259, #2426)
	+ - * 1. **Addressing when CPE FA is enabled and BPE FA is disabled** (#2259, #2260)

Within the scope of this clause,

* The STA\_address value is the per-EPP-epoch link-specific EPP\_STA\_address identifying the affiliated STA of the non-AP MLD on the given link, generated as defined in 10.71.5.2 (MHA Addresses),
* The AP\_address value is the (non-changing) address identifying the affiliated AP of the non-AP MLD on the given link,

where:

* the given link is the link on which the frame is transmitted, and
* the given EPP epoch is the current epoch,

For individually addressed frames transmitted to or from an affiliated STA of a non-AP MLD to an affiliated AP of an AP MLD:

* If the frame is transmitted by the AP MLD to the non-AP MLD, then AP MLD shall
* set the Address 1 field to the STA\_address value, and
* set the Address 2 field to the AP\_address value.
* If the frame is transmitted by the non-AP MLD to the AP MLD, then non-AP MLD shall
* set the Address 1 field to the AP\_address value, and
* set the Address 2 field to the STA\_address value. (#2259)
	+ - * 1. **Addressing when CPE FA is enabled and BPE FA is enabled** (#2259, #2260)

Within the scope of this clause,

* The STA\_address value is the per-EPP-epoch link-specific EPP\_STA\_address identifying the affiliated STA of the non-AP MLD on the given link,
* The AP\_address value is the per-EPP-epoch link-specific EPP\_AP\_address identifying the affiliated AP of the AP MLD on the given link, and
* OTAGroupAddress value denotes the per-EPP-epoch anonymized group address corresponding to the group address,

generated as defined in 10.71.5.2 (MHA Addresses), where:

* the given link is the link on which the frame is transmitted, and
* the given EPP epoch is the current epoch.

For individually addressed frames transmitted to or from an affiliated STA of a non-AP MLD to an affiliated AP of an AP MLD:

* If the frame is transmitted by the AP MLD, then the AP MLD shall
* set the Address 1 field to the STA\_address value, and
* set the Address 2 field to the AP\_address value.
* If the frame is transmitted by the non-AP MLD, then the non-AP MLD shall
* set the Address 1 field to the AP\_address value, and
* set the Address 2 field to the STA\_address value.

For group addressed frames transmitted by affiliated AP of an AP MLD, then the AP MLD shall:

* set the Address 1 field to the OTAGroupAddress value, and
* set the Address 2 field to the AP\_address value. (#2259)

***TGbi editor: Apply the following changes to the text in clause 10.71.6.1.1 (General)***

* **General**

Address filtering shall be applied per 10.2.8 (MAC data service) with changes to accommodate address anonymization (10.71.5.4(Address anonymization)): (#2425)

* The MHA addresses are defined in 10.71.5.4.2 (MHA addresses). (#2259)
* If CPE FA mechanisms are enabled and BPE FA mechanisms are disabled, thene 10.71.6.1.2 (Address filtering when CPE FA is enabled and BPE FA is disabled) shall be applied. (#2260, #2427)
* If CPE FA mechanisms are enabled and BPE FA mechanisms are enabled Clause 10.71.6.1.3 (Address filtering when CPE FA is enabled and BPE FA is enabled) shall be applied. (#2428)

(#2259)

* **Address filtering when CPE FA is enabled and BPE FA is disabled** (#2260, #2427)

(#2260, #2427)

Within the scope of this clause,

* a reference STA\_address is the per-EPP-epoch link-specific EPP\_STA\_address identifying the affiliated STA of the non-AP MLD on the given link, generated as defined in 10.71.5.2 (MHA Addresses),
* a reference AP\_address is the (fixed) address identifying the affiliated AP of the non-AP MLD on the given link,
* a reference group address of a group is the (fixed) MAC address assigned to the group,

where:

* the given link is the link on which the frame is transmitted, and
* the given EPP epoch is an old EPP epoch or a new EPP epoch, defined relative to a given EPP epoch boundary as follows:
* If the EPP epoch boundary is the start of the first EPP epoch in an EPP epoch sequence, then there is no old EPP epoch. Otherwise, ihe old EPP epoch is the EPP epoch that ends at the EPP epoch boundary.
* If the EPP epoch boundary is the end of the last EPP epoch in an EPP epoch sequence, then there is no new EPP epoch. Otherwise, the new EPP epoch is the EPP epoch that starts at the EPP epoch boundary. (#2259)

NOTE: The margin period (#2352) and transition period at an EPP epoch boundary are defined in 10.71.2.1 (General) and 10.71.2.2 (EPP group operations)) (#2259)

A frame received on a given setup link of the non-AP MLD during the margin (#2352) period and the transition period at an EPP epoch boundary of the non-AP MLD is processed as follows:

* An affiliated STA of a non-AP MLD on the setup link shall perform address filtering on individually addressed frames as follows:
* If there is an old EPP epoch:
* The reference STA\_address for the old EPP epoch is used to filter Address 1.
* The reference AP\_address is used to filter Address 2.
* If there is a new EPP epoch:
* The reference STA\_address for the new EPP epoch is used to filter Address 1.
* The reference AP\_address is used to filter Address 2.
* An affiliated STA of a non-AP MLD of the setup link shall perform address filtering on group addressed frames as follows:
* For each group to which the affiliated STA is assigned, the reference group address is used to filter Address 1.
* the reference AP\_address epoch is used to filter Address 2
* An affiliated AP of a non-AP MLD of the setup link shall perform address filtering on individually addressed frames as follows:
* If there is an old EPP epoch:
* The reference AP\_address is used to filter Address 1.
* The reference STA\_address for the old EPP epoch is used to filter Address 2.
* If there is a new EPP epoch:
* The reference AP\_address is used to filter Address 1.
* The reference STA\_address for the new EPP epoch is used to filter Address 2.

If there is new EPP epoch relative to this EPP epoch boundary (that is, if the EPP epoch boundary is the start of a new EPP epoch of the non-AP MLD), then a frame received on a given setup link of the non-AP MLD after this transition period and until the margin period of the next EPP epoch of the non-AP MLD is processed as follows:

* An affiliated STA of a non-AP MLD on the setup link shall perform address filtering on individually addressed frames as follows:
* The reference STA\_address for the new EPP epoch is used to filter Address 1.
* The reference AP\_address is used to filter Address 2.
* An affiliated STA of a non-AP MLD of the setup link shall perform address filtering on group addressed frames as follows:
* For each group to which the affiliated STA is assigned, the reference group address is used to filter Address 1.
* the reference AP\_address epoch is used to filter Address 2
* An affiliated AP of a non-AP MLD of the setup link shall perform address filtering on individually addressed frames as follows:
* The reference AP\_address is used to filter Address 1.
* The reference STA\_address for the new EPP epoch is used to filter Address 2. (#2259)

(#2259)

* **Address filtering when CPE FA is enabled and BPE FA is enabled** (#2260, #2428)

(#2428)

Within the scope of this clause,

* a reference STA\_address is the per-EPP-epoch link-specific EPP\_STA\_address identifying the affiliated STA of the BPE non-AP MLD on the given link, generated as defined in 10.71.5.2 (MHA Addresses),
* a reference AP\_address is the per-EPP-epoch link-specific AP\_STA\_address identifying the affiliated AP of the BPE AP MLD on the given link, generated as defined in 10.71.5.2 (MHA Addresses),
* for a group addressed frame, a deanonymized group addresss per a given EPP epoch is the MAC address determined from OTAGroupAddress as defined in 10.71.5.2 (MHA Addresses) for the given EPP epoch, using the value in Address 1 as OTAGroupAddress,
* a reference group address is of a group is the (fixed) MAC address assigned to a group,

where:

* the given link is the link on which the frame is transmitted, and
* the given EPP epoch is an old EPP epoch or a new EPP epoch of the BPE AP MLD, defined relative to a given EPP epoch boundary as follows:
* If the EPP epoch boundary is the start of the first EPP epoch in an EPP epoch sequence, then there is no old EPP epoch. Otherwise, the old EPP epoch is the EPP epoch that ends at the EPP epoch boundary.
* If the EPP epoch boundary is the end of the last EPP epoch in an EPP epoch sequence, then there is no new EPP epoch. Otherwise, the new EPP epoch is the EPP epoch that starts at the EPP epoch boundary. (#2259)

NOTE: The margin period (#2352) and transition period at an EPP epoch boundary are defined in 10.71.2.1 (General) and 10.71.2.2 (EPP group operations). (#2259)

A frame received on a given setup link of the BPE non-AP MLD during the margin (#2352) period and the transition period at an EPP epoch boundary of the BPE AP MLD is processed as follows:

* An affiliated STA of a BPE non-AP MLD on the setup link shall perform address filtering on individually addressed frames as follows:
* If there is an old EPP epoch:
* The reference STA\_address for the old EPP epoch is used to filter Address 1.
* The reference AP\_address for the old EPP epoch is used to filter Address 2.
* If there is a new EPP epoch:
* The reference STA\_address for the new EPP epoch is used to filter Address 1.
* The reference AP\_address for the new EPP epoch is used to filter Address 2.
* An affiliated STA of a BPE non-AP MLD of the setup link shall perform address filtering on group addressed frames as follows:
* If there is an old EPP epoch:
* For each group to which the affiliated STA is assigned, the reference group address is used to filter the deanonymized group address per the old EPP epoch.
* the reference AP\_address for the old EPP epoch is used to filter Address 2.
* If there is a new EPP epoch:
* For each group to which the affiliated STA is assigned, the reference group address is used to filter the deanonymized group address per the new EPP epoch.
* The reference AP\_address for the new EPP epoch is used to filter Address 2.
* An affiliated AP of a BPE non-AP MLD of the setup link shall perform address filtering on individually addressed frames as follows:
* If there is an old EPP epoch:
* The reference AP\_address for the old EPP epoch is used to filter Address 1.
* The reference STA\_address for the old EPP epoch is used to filter Address 2.
* If there is a new EPP epoch:
* The reference AP\_address for the new EPP epoch is used to filter Address 1.
* The reference STA\_address for the new EPP epoch is used to filter Address 2.

If there is new EPP epoch relative to this EPP epoch boundary (that is, if the EPP epoch boundary is the start of a new EPP epoch of the BPE AP MLD), then a frame received on a given setup link of the non-AP MLD after this transition period and until the margin period (#2352) of the next EPP epoch of the BPE AP MLD is processed as follows:

* An affiliated STA of a BPE non-AP MLD of the setup link shall perform address filtering on individually addressed frames as follows:
* The reference STA\_address for the new EPP epoch is used to filter Address 1.
* The reference AP\_address for the new EPP epoch is used to filter Address 2.
* An affiliated STA of a BPE non-AP MLD of the setup link shall perform address filtering on group addressed frames as follows:
* For each group to which the affiliated STA is assigned, the reference group address is used to filter the deanonymized group address per the new EPP epoch.
* The reference AP\_address for the new EPP epoch is used to filter Address 2.
* An affiliated AP of a BPE AP MLD of the setup link shall perform address filtering on individually addressed frames as follows:
* The reference AP\_address for the new EPP epoch is used to filter Address 1.
* The reference STA\_address for the new EPP epoch is used to filter Address 2. (#2259)
* **MAC header anonymization parameter set selection**

If an individually addressed frame is received by a non-AP MLD, then the non-AP MLD shall perform packet number deanonymization (10.71.6.3 (Packet number deanonymization)) and sequence number deanonymization (10.71.6.4 (Sequence number deanonymization)) using the CPE MHA parameter set containing the link-specific EPP\_STA\_address value matching the Address 1 field in the MAC header.

An AP MLD shall perform packet number deanonymization (10.71.6.3 (Packet number deanonymization)) and sequence number deanonymization (10.71.6.4 (Sequence number deanonymization)) using the applicable CPE MHA parameter set containing the link-specific EPP\_STA\_address value matching the Address 2 field in the MAC header.

The CPE MHA parameter set so identified is the applicable CPE MHA parameter set for the received frame.

If the AP MLD has BPE FA mechanisms enabled (#2429), then:

* If a group addressed frame is received by a BPE non-AP MLD, then the BPE non-AP MLD shall perform packet number deanonymization (10.71.6.3 (Packet number deanonymization)) and sequence number deanonymization (10.71.6.4 (Sequence number deanonymization)) using the applicable BPE MHA parameter set containing the link-specific EPP\_AP\_address value matching the Address 2 field in the MAC header of the group addressed frame.
* The BPE MHA parameter set so identified is the applicable BPE MHA parameter set for the received frame.
* If a Privacy Beacon is received by a BPE non-AP MLD, then the BPE non-AP MLD shall perform timestamp deanonymization (10.71.6.5 (Timestamp deanonymization)) using the BPE MHA parameter set containing the link-specific EPP\_AP\_address value matching the Address 2 field in the MAC header of the Privacy Beacon.