IEEE P802.11
Wireless LANs

|  |
| --- |
| 802.11bi – Editorial comment resolution to 9.4.1.83 |
| Date: May 12, 2025 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Antonio de la Oliva | Interdigital Ltd, UC3M |  |  | aoliva@it.uc3m.es |
| Joseph Levy | Interdigital Ltd. |  |  |  |

 Abstract

This submission addresses the comments with CID:

23, 24, 25, 32, 106, 161, 193, 194, 195, 196, 198, 202, 327, 328, 423, 425, 427, 428, 430, 433, 434, 439, 440, 442, 443, 447, 750, 792, 995, 997, 999, 1001

**Comment Resolution**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 23 | 9.4.1.83 | 47 | 3 | "The EDP Epoch Settings field includes the information regarding the parameters of an epoch." This is not how to refer to these format figures. | Replace cited text with "The EDP Epoch Settings field format is shown in Fugure 9-207k" | ACCEPT |
| 24 | 9.4.1.83 | 47 | 42 | "The EDP Epoch Settings Control is defined as follows:" This is not how to refer to these format figures. | Replace cited text with "The EDP Epoch Settings Control field format is shown in Figure 9-207l" | ACCEPT |
| 25 | 9.4.1.83 | 48 | 9 | "The Epoch Interval field is defined as follows:" This is not how to refer to these format figures. | Replace cited text with "The EDP Epoch Interval filed format is shown in Figure 9-207m" | ACCEPT |
| 32 | 9.4.1.83 | 49 | 2 | "The Epochs Remaining field indicates the number of EDP Epochs left in the sequence after the current epoch finishes, except 255, which means that the sequence duration is unlimited." Needs a little tidying. | Rewrite cited text as follows: "The Epochs Remaining field value indicates the number of EDP Epochs left in the sequence after the current epoch finishes. A value of 255 indicates that the sequence duration is unlimited. " | ACCEPT |
| 106 | 9.4.1.83 | 48 | 58 | In consistent field name. In Figure (9-207k--EDP Epoch Settings field format), it's "Minimum EpochPacing Parameters", while in P48L58 it's "Minimum Epoch Pacing field" and "Minimum Epoch Pacing element", in P77L2 it's "Minimum Epoch Pacing Parameters field" and "Minimum Epoch Pacing field". | Use a consistent field name. | REVISEDAll names changed to Minimum Epoch Pacing field.Editor please implement the changes tagged as [106] in document with DCN 25/924r1. |
| 161 | 9.4.1.83 | 48 | 1 | Some figures use different fonts (e.g. Figure 9-207m) | Please use a single consistent font for all figures. | ACCEPTNote to editor: No changed marked for this comment. |
| 193 | 9.4.1.83 | 47 | 41 | Missing part of the field name. | Please use field name EDP Epoch Settings Control. | ACCEPT |
| 194 | 9.4.1.83 | 47 | 45 | Incorrect description order. The EDP Epoch Settings field should be described before Group ID. | Change the group id description after the EDP Epoch Settings Control field. | ACCEPT |
| 195 | 9.4.1.83 | 48 | 12 | Unclear text. Please clarify. | Change the sentence:" Each field in the EDP Epoch Settings Control field..." | ACCEPT |
| 196 | 9.4.1.83 | 49 | 1 | Difficult sentence, please clarify. | The sentence should be split to multiple sentences. The use of the field should be in normative clauses. Please change to:" The First Epoch TSF Start Time filed contains the first Epoch start time presented as the TSF of the link in which this field was sent, see 10.71.2.4 (EDP Epoch Start Time Computation)." Please move all other text to the normative clauses. | REVISEDAccepted the rewriting of the phrase but not included anything in 10.71.2.4.Editor please implement changes tagged as [196] in document 25/924r1 |
| 198 | 9.4.1.83 | 49 | 5 | Unclear sentence. | Change to:"The Minimum Epoch Pacing field indicates the minimum epoch duration the non-AP MLD can support." | ACCEPT |
| 202 | 9.4.1.83 | 49 | 18 | Unclear sentence. | Plaase chagne to:"The Epochs Remaining field indicates the number of EDP Epochs left in the sequence after the currentepoch, except value 255 indicates unlimited Epochs. | REVISEDEditor please implement the changes tagged as [202] in document with DCN 25/924r1. |
| 327 | 9.4.1.83 | 47 | 38 | Group ID description in wrong place | Move sentence after Fig. 9-207l | REVISEDEditor please implement changes marked as [194] in document 25/924r1. |
| 328 | 9.4.1.83 | 48 | 50 | mispelled Field - filed | Change filed to field. Recommend global check for other filed instances. | REVISEDEditor please includes the changes tagged as [25] in document 25/924r1. |
| 423 | 9.4.1.83 | 47 | 3 | "The EDP Epoch Settings field includes the information regarding the parameters of an epoch." is too waffly and vague ("includes") | Change to "The EDP Epoch Settings field specifies the parameters of an epoch." | REVISEDSuperceeded by Editor please includes the changes tagged as [23] in document 25/924r1. |
| 425 | 9.4.1.83 | 47 | 38 | "The Group ID field signals an identifier" is a bit weird | Change "signals" to "contains" | ACCEPT |
| 427 | 9.4.1.83 | 47 | 38 | Fields should be specified in the order in the figure | Move the para at line 38 to be after the description at line 42 | REVISEDEditor please includes the changes tagged as [194] in document 25/924r1. |
| 428 | 9.4.1.83 | 47 | 42 | "The EDP Epoch Settings Control is defined as follows" missing "field" | Add "field" before "is" | REVISEDSuperceeded by [24] |
| 430 | 9.4.1.83 |   |   | "Interval Unit" should be lowercase except when actual field name | Lowercase everywhere except in Figure 9-207m--Epoch Interval field format and change "The Epoch Interval Length field contains the length of the EDP epoch, expressed in Epoch Interval Units,shown in Table 9-129g (Epoch Interval Units and epoch durations)" to "The Epoch Interval Unit field indicates the units for the Epoch Interval Length field, and the Epoch Interval Length field contains the length of the EDP epoch, as shown in Table 9-129g (Epoch Interval Units and epoch durations)" | REVISEDEditor please implement changes tagged as [430] in document with DCN 25/924r1. |
| 433 | 9.4.1.83 | 48 | 28 | "Epoch Interval Length value 0" is missing "field" before "value" | As it says in the comment | ACCEPT |
| 434 | 9.4.1.83 | 48 | 50 | "filed" should be "field" | As it says in the comment | REVISEDEditor please implement changes tagged as [328] in document 25/924r1 |
| 439 | 9.4.1.83 | 48 |   | Aaargh, everything is jumbled up! | Describe fields in the same order as they appear in the figures! | ACCEPTEditor please implement changes tagged as [439] in document 25/924r1 |
| 440 | 9.4.1.83 | 48 | 61 | "Epoch Interval Units" bad case | As it says in the comment | REVISEDEditor please implement changes tagged as [430] in document 25/924r1 |
| 442 | 9.4.1.83 | 49 | 1 | "EDP Epochs" bad case | As it says in the comment |  ACCEPT |
| 443 | 9.4.1.83 |   |   | "Participating AffiliatedSTAs Count Present" v. "Number Of Participating Affiliated STAs" inconsistency | Pick one name for the field and make the presence indicator field match it | REJECTThe EDP Epoch Settings Control field indicates the presence of each of the sub-fields of the Number Of Participating Affiliated STAs.  |
| 447 | 9.4.1.83 | 49 | 7 | "participating to this group EDP epoch" should be "participating in this group EDP epoch"; similarly at line 24 | As it says in the comment | ACCEPT |
| 750 | 9.4.1.83 | 49 | 1 | Typo filed->field | filed -> field | ACCEPTEditor please implement changes tagged as [328] in document 25/924r1 |
| 792 | 9.4.1.83 | 48 | 50 | The text says uses the word "filed" but should be "field" | Revise as "The First Epoch TSF Start Time field contains ... | ACCEPTEditor please implement changes tagged as [328] in document 25/924r1 |
| 995 | 9.4.1.83 | 47 | 9 | In 10.71.2.4, this "First Epoch TSF Start Time" is called "First Planned Epoch TSF Start Time". Inconsistent terminology. | Update "First Epoch TSF Start Time" to "First Planned Epoch TSF Start Time" here, elsewhere in this clause, and in 10.71.2.4 | REVISEDEditor please implement changes tagged as [995] in document with DCN 25/924r1Note: I do not think changes in 10.71.2.4 are needed at this point. |
| 997 | 9.4.1.83 | 47 | 38 | The Group ID field is shown after EDP Epoch Settings Control in Figure 9-270k, but the description is provided before EDP Epoch Settings Control in the text. The orders should be aligned. | Move the dsecription for Group ID field to after the description of the EDP Epoch Settings Control | REVISEDEditor please implement changes tagged as [194] in document with DCN 25/924r1 |
| 999 | 9.4.1.83 | 48 | 50 | "filed" is a typo | replace "filed" with "field" | REVISEDEditor please implement changes tagged as [328] in document 25/924r1 |
| 1001 | 9.4.1.83 | 48 | 54 | This clause applies only to MLDs, and does not apply to APs and non-AP STAs. See also p48, line 62 (twice), | In this clause, replace "AP" with "AP MLD" and replace "non-AP STA" with "non-AP MLD". | REVISEDEditor implement the changes tagged as [1001] in document with DCN 25/924r1. |

**9.4.1.83 EDP Epoch Settings field**

The EDP Epoch Settings field format is shown in Figure 9-207k.[23]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | EDP Epoch Settings Control | Group ID | Epoch Interval | First Planned [995] Epoch TSF Start Time | Epoch Number Offset | Time Range | Epochs Remaining | Minimum Epoch Pacing [106] |
| Bits: | 16 | 0 or 8 | 16 | 0 or 64 | 0 or 8 | 0 or 16 | 0 or 16 | 0 or 16 |

|  |  |  |
| --- | --- | --- |
|  | Number Of Participating Affiliated STAs | AID Storage Size |
| Bits: | 0 or 8 or 16 or 24 | 0 or 16 |

**Figure 9-207k—EDP Epoch Settings field format**

The EDP Epoch Settings field contains the EDP epoch parameters of an EDP epoch sequence for the non-AP MLD.

The EDP Epoch Settings field [193] Control field format is shown in Figure 9-207l. [24]

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Group ID Present | First Planned [995] Epoch TSF Start TimePresent | Time RangePresent | Epochs RemainingPresent | Participating Affiliated STAs Count Present | Participating Affiliated STAs Percentage Present | Minimum Epoch Pacing [106]Present | AID Storage Size Present |
| Bits: | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

|  |  |
| --- | --- |
|  | Reserved |
| Bits: | 8 |

**Figure 9-207l—EDP Epoch Settings Control field format**

Each field in the EDP Epoch Settings Control field indicates [195] the presence of the corresponding field in the EDP Epoch Settings field when set to 1 and its absence when set to 0.

[194] contains [425]

The EDP Epoch Interval field format is shown in Figure 9-207m [25]

|  |  |  |  |
| --- | --- | --- | --- |
|  | Epoch Interval Unit | Epoch Interval Length | Reserved |
| Bits: | 3 | 11 | 2 |

**Figure 9-207m—Epoch Interval field format**

The Epoch Interval Unit field indicates the units for the Epoch Interval Length field, and the Epoch Interval Length field contains the length of the EDP epoch, as shown in Table 9-129g (Epoch Interval Units and epoch durations) [430].

Epoch Interval Length field [433] value 0 is reserved.**Table 9-129g—Epoch Interval Units and epoch durations**

|  |  |  |
| --- | --- | --- |
| **Epoch Interval Unit field value** | **Epoch Interval Unit** | **Max Epoch Duration (approx.)** |
| 0 | 1000 s | 23 d 16 h 36 min 40 s |
| 1 | 1 s | 34 min 7 s |
| 2-7 | Reserved | N/A |

The First Planned [995] Epoch TSF Start Time field [328] contains the first EDP Epoch start time presented as the TSF timer value of the link in which this field was sent, see 10.71.2.4 (EDP Epoch Start Time Computation). [196]

The Epoch number offset field value contains the offset between the AP MLD [1001] epoch number and the non-AP MLD [1001] epoch number (see 10.71.2.4 (EDP Epoch Start Time Computation)).

[439] The Time Range field contains the range of values, expressed in epoch interval units [430] as defined in Table 9-129g (Epoch Interval Units and epoch durations), used by the AP MLD [1001] and each non-AP MLDs [1001] member of the EDP group to determine a random delay added to the EDP epoch planned start time (PlannedTSFStartTime) as defined in 10.71.2.4 (EDP Epoch Start Time Computation).

[439] The Epochs Remaining field value indicates the number of EDP epochs [442] left in the sequence after the current epoch finishes [202], except value of 255 indicates that the epoch sequence duration is unlimited.[32]

The Minimum Epoch Pacing field indicates the minimum epoch duration the non-AP MLD can support.[198] The format of the Minimum Epoch Pacing field [106] is the same as the Epoch Interval field.

The Number of Participating Affiliated STAs field is optional. When present, the field signals an indication of the number of affiliated non-AP MLD [1001] currently participating in [447] this group EDP epoch on the current link.

|  |  |  |
| --- | --- | --- |
|  | Participating Affiliated STAs Count | Participating Affiliated STAs Percentage |
| Octets: | 2 | 1 |

**Figure 9-207n—Number of Participating Affiliated STAs field format**

The Participating Affiliated STAs Count field represents an indication of the number of affiliated non-AP MLDs [1001] participating in the signaled group on the link. The Participating Affiliated STAs Percentage field, with values in the range of 0 to 100, represents an indication of the percentage of the associated affiliated non-AP MLD [1001] participating to the signalled group on the link. Values 101-255 are reserved.

When transmitted by a CPE AP MLD [1001], the AID Storage Size field indicates the minimum number of AID values required by a CPE non-AP MLD to be allowed to join in the EDP group.

When transmitted by a CPE non-AP MLD, the AID Storage Size field indicates the number of AID values that the non-AP MLD can store.