IEEE P802.11
Wireless LANs

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| 802.11bi – Comment resolution Clauses 9.6.42.1, 9.6.42.4 |
| Date: March 26, 2025 |
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 Abstract

This submission addresses the comments with CID:

493, 950, 315, 499, 500, 501, 502, 504, 1011, 1012, 1013, 1014, 1015

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 493 | 9.6.42.1 | 69  | 7 | " EDP Group Parameter frame" should not have " frame" | As it says in the comment | ACCEPT |
| 950 | 9.6.42.1 | 69 | 13 | "otaMAC" => "OTA MAC" (we have no precedent for this odd type of capitalization and it is inconsistent with other uses) | And at 73.1, 73.3, 73.8 | ACCEPT |

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| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 315 | 9.6.42.4 | 71 | 19 | singular form "group" not correct | use plural form "groups" | REVISEDReplace "EDP Group Parameter" with "EDP Groups Parameter" |
| 499 | 9.6.42.4 | 71 | 19 | "for one or more group" should be "... groups" | As it says in the comment |  ACCEPT |
| 500 | 9.6.42.4 | 71 | 48 | "Value 0 is reserved." should be "The value 0 is reserved." | As it says in the comment |  ACCEPT |
| 501 | 9.6.42.4 | 71 | 50 | "one or more EDP Setting fields" -- no such fields | Change to "one or more EDP Epoch Setting fields" | REVISEDImplement changes marked as [501] in document 25/544r0 |
| 502 | 9.6.42.4 | 72 | 9 | " Epoch request" should be " Epoch Request" | As it says in the comment | ACCEPTNote to editor: the clause is wrong it is 9.6.42.5 |
| 504 | 9.6.42.4 | 72 | 46 | "Status" should be "Status Code" | As it says in the comment | ACCEPTNote to editor: the clause is wrong it is 9.6.42.6 |
| 1011 | 9.6.42.4 | 71 | 17 | "9.6.42.4 EDP Group Parameter frame format". The frame contains information for all available EDP groups - not just a single EDP group. | Replace "EDP Group Parameter" with "EDP Groups Parameter" | ACCEPT |
| 1012 | 9.6.42.4 | 71 | 19 | "one or more group". To avoid confusion, always clarify that this is an EDP epoch. There may be other occurences of "group" without the EDP prefix. | Throguhout document, ensure that any mentino of a group identifying an EDP group always uses the "EDP" prefix | REVISEDEditor please implement the changes marked as [1012] in the document 25/544r0. |
| 1013 | 9.6.42.4 | 71 | 37 | There is an EDP Epoch Setting for each EDP group, This number more naturally describes the number of EDP groups. | Replace "Number of EDP Epoch Settings Included" with "Number of EDP Epoch Settings" |  ACCEPT |
| 1014 | 9.6.42.4 | 71 | 47 | See comment on p71 line 37. It would be good to update this sentence to clarify that the number of EDP Epoch Settings fields is the number of EDP groups. | Update "Number of EDP Epoch Settings" to align with comment on p71 line 37. Update this sentence to clarify that the number of EDP Epoch Settings fields is the number of EDP groups. | REVISEDEditor please implement the changes as indicated with the tag [1014] in document with DCN 25/544r0 |
| 1015 | 9.6.42.4 | 71 | 47 | "EDP Setting" field does not exist. This is a typo. | Replace "EDP Setting" with "EDP Epoch Settings" | REVISEDImplement changes marked as [501] in document 25/544r0 |

**9.6.42.1 EDP Action field**

An EDP Action field, in the octet immediately after the Category field, differentiates the EDP Action frame formats. The EDP Action field values associated with each frame format within the EDP category are defined in Table 9-658u (EDP Action field values).

**Table 9-658u— EDP Action field values**

|  |  |
| --- | --- |
| **Value** | **Meaning** |
| 0 | Capabilities And Operation Parameters Request |
| 1 | Capabilities And Operation Parameters Response |
| 2 | EDP Group Parameter [493] ~~frame~~ |
| 3 | EDP Epoch Request |
| 4 | EDP Epoch Response |
| 5 | [950] OTA ~~ota~~MAC Collision Warning |
| 6 | Privacy Beacon Solicit Request |
| 7 | AID Assignment |
| 8-255 | Reserved |

**9.6.42.4 EDP Groups [1011] Parameter frame format**

The EDP Groups [1011] Parameter frame is used to carry the EDP epoch settings for one or more [1012] EDP groups [499] using the procedures defined in 10.71.2.2 (EDP group operations) and 10.71.2.3 (EDP epoch transitions operations). The EDP Groups [1011] Parameter frame contains the information shown in Table 9-658z (EDP Groups [1011] Parameter frame Action field format).

**Table 9-658z—EDP Group**s [1011] **Parameter frame Action field format**

|  |  |
| --- | --- |
| **Order** | **Meaning** |
| 0 | Category |
| 1 | EDP Action |
| 2 | Dialog Token |
| 3 | [1013] Number of EDP Epoch Settings ~~Number of EDP Epoch Settings Included~~ |
| 4 | EDP Epoch Settings List |

The Category field is defined in 9.4.1.11 (Action field).

The EDP Action field is defined in 9.6.42.1 (EDP Action field).

The [1013] [1014] Number of EDP Epoch Settings ~~Number of EDP Epoch Settings Included~~ field specifies the number of EDP Epoch Settings fields that are in the EDP Epoch Settings List field [1014] (i.e., the number of EDP groups for which parameters are conveyed). The length of this field is one octet. [500] The v~~V~~alue 0 is reserved.

The EDP Epoch Settings List field contains one or more EDP Epoch [501] Settings [501] fields (as defined in 9.4.1.83 (EDP Epoch Settings field)) indicating the parameters of EDP groups that the AP MLD wants to convey to the non-AP MLD.

**Resolution for the Comment 1012**

***Editor please do the following changes, marked with the tag [1012]:***

**Table 9-67—Reassociation Response frame body**

|  |  |  |
| --- | --- | --- |
| 91 | EDP | The EDP element carrying configuration and Group Epoch ID for the assigned group [1012] EDP epoch. This element is present if the Reassociation Response frame is encrypted and dot11EDPGroupEpochActivated is true; otherwise, is not present. |

**Table 9-80— Status codes**

|  |  |  |
| --- | --- | --- |
| Status code | Name | Meaning |
| … |  |  |
| 145 | SUCCESS\_SIMILAR\_EPOCH | The request to join or create a group [1012] EDP epoch is successful but the epoch parameters are not exactly th~~e~~ose [22] requested |
| 146 | [192] SUCCESS~~FAILURE~~\_ALREADY\_EXISTING\_EPOCH | ~~The creation of the group epoch fails because the group already exists.~~ The STA has successfully joined the requested group [1012] EDP epoch. [192] The EDP group already exists, no new EDP group is created. |
| 147 | FAILURE\_MAX\_NUM\_EPOCH\_REACHED [931] | Failure to create a group [1012] EDP epoch because the maximum number of group EDP [1012] epochs at the AP has been reached |
| 148 | SUCCESS\_AID\_LIST\_PARTIALLY\_STORED | The AID List is too large and the CPE non-AP MLD has stored it only partially.  |
| 149 | FAILURE\_AID\_LIST\_NOT\_STORED | No AID value has been stored. |
| 150 | FAILURE\_AID\_STORAGE\_TOO\_SMALL | The request to join or create a group [1012] EDP epoch has failed, because the AID storage of the non-AP MLD is too small |
| 151 | NO\_ASSIGNED\_AID | The non-AP MLD has no AID value for the current group EDP [1012] epoch.  |

**9.4.1.84 EDP Epoch Settings field**

***Editor: change the line 52 of page 48 as follows:***

The [1012] EDP Group ID field signals an identifier of the EDP group. The value 0 indicates the default [1012] EDP group. The value 255 is reserved.

***Editor: Change the name of the field Group ID to EDP Group ID in Figure 9-207n (EDP Epoch Settings field format) and the field Group ID Present to EDP Group ID Present in Figure 9-207o (EDP Epoch Settings Control field format)***

***Editor: change the line 36 of Page 50 as follows:***

The Participating Affiliated STAs Count field represents an indication of the number of affiliated STAs par-

ticipating in the signaled [1012] EDP 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 STAs participating to the signalled [1012] EDP group on the link. Values 101-255 are reserved.

**9.4.2.350 AID List element**

***Editor: change the field Group ID in Figure 9-1074ds (AID List element) to EDP Group ID***

***Editor: change the line 6 of page 64 as follows:***

The [1012] EDP Group ID field signals an identifier of the EDP group.

**9.6.42.4 EDP Group Parameter frame format**

The EDP Group Parameter frame is used to carry the EDP epoch settings for one or more [1012] EDP groups using the procedures defined in 10.71.2.2 (EDP group operations) and 10.71.2.3 (EDP epoch transitions operations).

**9.6.42.5 EDP Epoch Request frame format**

The EDP Epoch Request frame contains the information that a CPE STA provides an AP to request a new EDP ~~epoch~~ [1012] group, or to be assigned to a particular EDP ~~epoch~~[1012] group, or to maintain its current EDP ~~epoch~~[1012] group, as defined in 10.71.2.1 (General) and 10.71.2.2 (EDP group operations).

**10.71.2 EDP epoch operation**

**10.71.2.1 General**

A non-AP MLD that is a member of an EDP group and its associated AP MLD shall anonymize the selected fields of the individually addressed frames according to the group [1012] EDP epoch settings as defined in 10.71.3 (Establishing frame anonymization parameter sets), 10.71.5 (MAC header anonymization and transmitting functions), 10.71.6 (MAC header anonymization and receiving functions) and 10.71.7 (Frame anonymization and AID).

**10.71.2.2 EDP group operations**

If no EDP element is included in the encrypted (Re)Association Request frame, or if the EDP element does not include information defining the parameters for the EDP group, the CPE non-AP MLD is assigned to the default [1012] EDP group. The first EDP epoch of an EDP epoch sequence is EDP epoch number 0.

If the CPE AP MLD can fulfill the request, it will include the CPE non-AP MLD in the new EDP group and

remove it from the previous EDP group. The result of the operation is indicated to the CPE non-AP MLD

through an EDP Response frame. This frame includes a Status field, "SUCCESS", indicating the operation result and an optional EDP Epoch Settings field to indicate the parameters of the newly joined [1012] EDP group.

***Editor please perform the following changes in page 143, MIB object dot11EDPGroupEpochCurrentGroup***

Page 143

dot11EDPGroupEpochCurrentGroup OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity.

This attribute indicates the current ~~EDP~~ epoch EDP [1012] group to which the non-AP

MLD is assigned. A value of zero (0) indicates the non-AP MLD is assigned

to the default [1012] EDP group. A null value indicates that the non-AP MLD is not

currently assigned to an ~~epoch~~[1012] EDP group."

DEFVAL { NULL }

::= { dot11EDPStationConfigEntry 5 }