IEEE P802.11
Wireless LANs

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| 802.11bi – Remaining CIDs |
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 Abstract

This submission addresses the comments with CID: 18, 19, 112, 208, 756, 757, 790, 791

**Comment Resolution**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Clause Number(C)** | **Page(C)** | **Line(C)** | **Comment** | **Proposed Change** | **Resolution** |
| 18 | 9.3.3.5 | 36 | 48 | "This element carries the desired parameters of the Epoch to be joined by the sending STA." This is confusing. Needs clarifying. I assume it is the STA indictaing its desired Epoch settings. Also is this mandatory for the STA? I would have thought it should be optionally present as the "standard ' prcoedure would be to simply join the default epoch? | At 35.50 edit cited sentence as follows: "The EDP element is optionally present if theAssociation Request frame is encrypted anddot11EDPGroupEpochActivated is true;otherwise, it is not present. When present, this element includes the desired EDC epoch parameters of the epoch for the associating STA.carries the desired parameters of the Epochto be joined by the sending STA. | REVISEEditor please implement changes tagged as [18] in document 25/1275r0 |
| 19 | 9.3.3.7 | 36 | 45 | "This element carries the desired parameters of the Epoch to be joined by the sending STA." This is confusing. Needs clarifying. I assume it is the STA indictaing its desired Epoch settings. Also is this mandatory for the STA? I would have thought it should be optionally present as the "standard ' prcoedure would be to simply join the default epoch? | At 35.50 edit cited sentence as follows: "The EDP element is optionally present if theReassociation Request frame is encrypted anddot11EDPGroupEpochActivated is true;otherwise, it is not present. When present, this element includes the desired EDC epoch parameters of the epoch for the reassociating STA.carries the desired parameters of the Epochto be joined by the sending STA. | REVISEDEditor please implement changes tagged as [19] in document 25/1275r0 |
| 112 |   |   |   | The text should specify in detail which optional fields should not be included in a EDP Epoch Request frame or (Re)Assocation Request frame. Otherwise add text to specify what is the expected behavior if those fields are included. | The CPE non-AP MLD shall not include the FirstEpoch TSF Start Time field, Time Range field, Epochs Remaining field, and Number Of Participating Affiliated STAs field in the EDP Epoch Settings field it transmits. | REVISEDText has been added to section 10 explaining when each of the fields should be included. |
| 208 | 9.4.1.84 | 50 | 26 | Unclear why STA needs explicitly define whether AP creates a new group epoch or the STA just joins to an existing epoch. | Please allow an operaiton that may join or create (which ever is more suitable) for the STA to simplify the non-AP STA epoch usage. | REVISEDEditor please implement changes tagged as [208] in doc 25/1275r0. |
|  |  |  |  |  |  |  |
| 756 | 10.71.2.1 | 78 | 42 | The anonymization and the group allocation suppose negotiations between the STA and the AP, this is fine when there is a single AP, but this would also delay operations during roaming. | Extend the mechanism to allow the STA to pre-set its group and parameters with the next AP for fast roaming. |   |
| 757 | 10.71.2.2 | 78 | 65 | The STA is assigned to the default group if it does not express a group preference, but the STA has no way to discover the groups before (re)assoc, which is an issue especially for fast roaming. | Design a mechanism for the associated STA to learn about the neighboring APs and their groups to faciliate roaming |   |
| 790 | 9.3.3.6 | 36 | 19 | Phrasing of first sentence in EDP Notes column is confusing. | Revise first sentece of the notes text to "The EDP element carries the Epoch settings information and the Group Epoch ID for the assigned group epoch." | REVISEDEditor please make the changes tagged as [790] in document 25/1275r0 |
| 791 | 9.3.3.10 | 37 | 25 | Phrasing of first sentence in EDP Notes column is confusing. | Revise first sentece of the notes text to "The EDP element carries the Epoch settings information and the Group Epoch ID for the assigned group epoch." | REVISEDEditor please make the changes tagged as [791] in document 25/1275r0 |

Resolution

**9.3.3.5 Association Request frame format**

**Association Request frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| … |  |  |
| 70 | DS MAC Address | The DS MAC Address element is present if the Association Request frame is encrypted, dot11DSMACAddressActivated is true, and the peer indicates support for DS MAC Address in the RSNXE; otherwise, it is not present.(#160) |
| 71 | EDP | The EDP element is optionally present if the Association Request frame is encrypted and dot11EDPGroupEpochActivated is true; otherwise, it is not present. When present, this element includes the desired EDP epoch parameters of the epoch for the associating STA.[18] |
| 72 | Mobility domain | An MDE is present in an Association Request frame ifdot11FastBSSTransitionActivated is true, encryption of the Association Request frame is used, and if the frame is beingsent to an AP that advertised its FT capability in the MDE in itsBeacon or Probe Response frame (i.e., AP also hasdot11FastBSSTransitionActivated equal to true).(#176, #Ed) |
| 73 | Fast BSS Transition | An FTE is present in an Association Request frame ifdot11FastBSSTransitionActivated is true, encryption of the Association Request frame is used, anddot11RSNAAuthenticationSuiteSelected is equal to an AKM suiteselector value for which the Authentication type column indicatesFT authentication. See Table 9-190 (AKM suite selectors) (i.e.,part of a fast BSS transition in an RSN).(#176, #Ed)  |

**9.3.3.7 Reassociation Request frame format**

**Reassociation Request frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| … |  |  |
| 72 | DS MAC Address | The DS MAC Address element is present if the Reassociation Request frame is encrypted, dot11DSMACAddressActivated is true, and the peer indicates support for DS MAC Address in the RSNXE; otherwise, it is not present.(#160) |
| 73 | EDP | The EDP element is optionally present if the Reassociation Request frame is encrypted and dot11EDPGroupEpochActivated is true; otherwise, it is not present. When present, this element includes the desired EDP epoch parameters of the epoch for the reassociating STA.[19] |

**9.4.1.84 Epoch Request field**

The Epoch Request field carries information on the action to be performed by the AP upon receiving an EDP Epoch Request frame.

The format of the Epoch Request field is shown in Figure 9-207r (Epoch Request field format).

|  |  |
| --- | --- |
|  | Epoch Request |
| Bits: | 8 |

**Epoch Request field format**

The possible values of the Epoch Request field and their meaning are shown in Table 9-129t (Values for the Epoch Request field).

|  |  |
| --- | --- |
| **Value** | **Meaning** |
| 0 | Reserved |
| 1 | Create/Join [208] |
| 2 | Leave |
| 3-255 | Reserved |
|  |  |

**Values for the Epoch Request field**

**9.3.3.6 Association Response frame format**

**Association Response frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| … |  |  |
| 10 | RSN | The RSNE is present if dot11FILSActivated is true or if performing OWE or if the Association Response frame is encrypted; otherwise, it is not present.(#402)  |
| ... |  |  |
| 38 | Key Delivery | The Key Delivery element is present if dot11FILSActivated is true or if the Association Response frame is encrypted; otherwise, it is not present.(#402) |
| ... |  |  |
| 91 | EDP | The EDP element carries the EDP settings information and the EDP Group ID for the assigned group EDP epoch [790]. This element is present if the Association Response frame is encrypted and dot11EDPGroupEpochActivated is true; otherwise, it is not present. |

**9.3.3.8 Reassociation Response frame format**

**Reassociation Response frame body**

|  |  |  |
| --- | --- | --- |
| **Order** | **Information** | **Notes** |
| … |  |  |
| 10 | RSN | An RSNE is present in a Reassociation Response frame if dot11FastBSSTransitionActivated is true, dot11RSNAActivated is true, and this frame is a response to a Reassociation Request frame that contained an FTE (i.e., part of a fast BSS transition in an RSN)~~;~~, or if dot11FILSActivated is true~~;~~, or ifperforming OWE, or if the Reassociation Response frame is encrypted. Otherwise, it is not present.(#Ed, #400)  |
| ... |  |  |
| 41 | Key Delivery | The Key Delivery element is present if dot11FILSActivated is true and FILS authentication is used or if the Reassociation Response frame is encrypted; otherwise, it is not present.(#402)  |
| ... |  |  |
| 91 | EDP | The EDP element carries the EDP settings information and the EDP Group ID for the assigned group EDP epoch [791]. This element is present if the Ressociation Response frame is encrypted and dot11EDPGroupEpochActivated is true; otherwise, it is not present. |