IEEE P802.11
Wireless LANs

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| EDP Epoch Transition period introductory text for 11bi |
| Date: 2024-01-18 |
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Abstract

We propose the draft specification for the following requirements in contribution “11-23-0892-03-00bi-requirements-and-issues-tracking” for TGbi draft D0.1.

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| --- | --- | --- | --- | --- |
|  | **Requirement** | **Issue**  | **Status** | **Information** |
| 7 | 11bi shall define a mechanism for a CPE Client to initiate changing its own OTA MAC Address used with a CPE AP in Associate STA State 4 without any loss of connection. | MAC address change while associated |  |  |
| 9 | Edited to: 11bi shall define a mechanism for a CPE Client and CPE AP to change the transmitted SN and the scrambler seed on downlink and uplink to uncorrelated new values in Associate STA State 4, without any loss of connection when the OTA MAC address of the CPE Client is changed. | MAC address change while associated |  |  |
| 10 | Edited to: 11bi shall define a mechanism for a CPE Client and CPE AP to change the transmitted PN on downlink and uplink to uncorrelated new values in Associate STA State 4, without any loss of connection when the OTA MAC address of the CPE Client is changed. | MAC address change while associated |  |  |

*Notes: this document handles the Epoch operation (definition, negotiation, initiation) to be used as a framework to handle change of CPE and BPE parameters.*

Revisions:

* Rev 0: Initial version of the document.
* Rev 1 : Text change to explicit transition period authorized operations

**Proposed spec text:**

The baseline for this text is the 802.11bi D0.2 and the 802.11 REVme D5.

* MAC sublayer functional description

***Insert the following new subclause at the end of clause 10 (MAC sublayer functional description):***

* Frame anonymization

**…**

* EDP epoch(#Ed) operation

…

## 10.71.2.1 Introduction

Note to the technical editor : add following text at the end of the chapter 10.71.2.1.

Each EDP Epoch starts with a transition period.

During the transition period of an EDP Epoch, the EDP parameters assigned to a STA during the preceding EDP Epoch, remain valid only for the following operations:

* Retransmission of a frame.
* Reception of a retransmitted frame.
* Frame acknowledgement

A transition period terminates at the end of a transition timeout interval or before the end of the transition timeout interval, after the completion of the successful transmissions or retransmissions initiated during the preceding EDP Epoch, whichever comes first.



1. Figure 9-[DDD] — Example of EDP Epoch timeline

Figure 9-DDD shows an example EDP Epoch sequence of consecutive EDP Epochs with their associated EDP Epoch start times tn and transition period tpn.