IEEE P802.11
Wireless LANs

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| Comment Resolution in LB272 for OST CID (Part 3) |
| Date: 2023-04-22 |
| Author(s): |
| Name | Affiliation | Address | Phone | Email |
| Anirudha Sahoo | NIST | 100 Bureau Dr, Gaithersburg, MD 20899 |  | anirudha.sahoo@nist.gov |
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Abstract

This document resolves comments in LB272 with CIDs 1706, 1707, 1967, 1071

Revisions:

r0 : Initial Revision

r1 : dot11SensingFrameExchangeTimeout constraint put in sensing measurement setup.

r2 : this is a major revision. The MIB variable introduced in r1 dot11SensingFrameExchangeTimeout has been take out. In stead a local variable *aSensingFrameExchangeExpiry* is now used. Normative text changes were modified accordingly. The changes proposed is now based on D1.1.

r3: Change a “may” to “should” and also underline the change text.

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| **CID** | **Commentor** | **Clause Number** | **Page** | **Comment** | **Proposed Change** |
| 1706 | Alireza Raissinia | 11.55.1.1 | 168.05 | Remove the values of "Sensing Frame Exchange Timeout value" and Unassociated STA Sensing Session Timeout value" from the table and make them as MIBs just like "dot11SBPSetupExpiry" shown in AnnexC. | As per comment |

**Proposed Resolution:** Reject

**Discussion:** Sensing Frame Exchange Timeout cannot be a MIB variable since it is only used within the MLME. It should be a local variable. This variable has been changed to a local variable named *aSensingFrameExchangeExpiry* as part of contribution in DCN 23/0814r3.

**Modification**: No modification needed.

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| **CID** | **Commentor** | **Clause Number** | **Page** | **Comment** | **Proposed Change** |
| 1707 | Alireza Raissinia | 11.55.1.1 | 168.09 | Change the text "Sensing frame exchange timeout is detected within a STA's MAC if the corresponding response frame is not received or not sent within this time" to | Sensing frame exchange timeout is the maximum time before the STA's response frame should be delivered. |
| 1967 | Robert Stacey | 11.55.1.1 | 168.05 | The normative requirement for each of these timeout values has already been established with the statement at 167.56 so the descriptions in the table should be exactly that; just a description of what the timeout value represents. | Change descrition to "The time from the end of the transmitted Sensing frame at which the transmitting STA determines that a corresponding response has not been received." |
| 1071 | Claudio da Silva | 11.55.1.1 | 168.09 | Request/Response frames that are timed out by this value must be explicitly identified | Define which request/response frames are timed out with this value. |

**Proposed Resolution:** Revise

**Discussion:** All these three CIDs refer to the Description of “Sensing Frame Exchange Timeout value” given in Table 11-29a. This timeout value as been replaced by *aSensingFrameExchangeExpiry* as part of contribution in DCN 23/0814r3. Because of that change, wherever “Sensing Frame Exchange Timeout value” is used in the normative text has to be modifed appropriately.

**Modifications:** Tgbf Editor please make modifications to D1.1 as specified below:

**Tgbf Editor Please change P134L12-17 as follows**

The sensing responder should transmit the Sensing Measurement Response frame within ~~a Sensing Frame~~

~~Exchange Timeout (see Table 11-29a (Sensing procedure timeout values))~~ a *aSensingFrameExchangeExpiry* (see Table X1 (Sensing procedure timing-related parameters)) timeout period in response to the Sensing Measurement Request frame. If the sensing initiator does not receive ~~no~~ the Sensing Measurement Response frame ~~is received~~ within this ~~time~~ timeout period, or if a Sensing Measurement Response frame is received with a status code other than SUCCESS, the sensing measurement session ~~shall not be resumed and is~~ shall be considered unsuccessful(#1103).

**Tgbf Editor Please change P134L19 as follows**

If an unassociated non-AP STA intends to participate in a sensing measurement session initiated by an AP, it shall transmit a Sensing Measurement Query frame to solicit a Sensing Measurement Request frame from the AP. Upon reception of a Sensing Measurement Query frame from an unassociated STA, the AP should transmit a Sensing Measurement Request frame to the unassociated STA within a *aSensingFrameExchangeExpiry* (see Table X1 (Sensing procedure timing-related parameters)) timeout period to initiate a sensing measurement session. If the unassociated non-AP STA does not receive a Sensing Measurement Request frame from the AP within a *aSensingFrameExchangeExpiry* (see Table X1 (Sensing procedure timing-related parameters)) timeout period, then it shall consider the solicitation to AP to initiate a sensing measurement session unsuccessful.

**Tgbf Editor Please change P152L13-17 as follows**

Upon reception of a Sensing Measurement Query frame from an unassociated STA, the AP may transmit a Sensing Measurement Termination frame to the unassociated STA ~~before the expiration of the sensing~~

~~frame exchange timeout timer (see Table 11-29a (Sensing procedure timeout values))~~ within a *aSensingFrameExchangeExpiry* (see Table X1 (Sensing procedure timing-related parameters)) timeout period to terminate one or more sensing measurement session(s)(#1164).

**References:**

1. Draft P802.11bf\_D1.1
2. DCN 23/0814r3

**Acknowledgement:** The author would like to thank the *OST*  TTT members for their feedback in resolving these CIDs.

**SP:**

Do you support the resolution to CIDs 1706, 1707, 1967, 1071 proposed in 11-23/0718r3 and incorporate the changes into the TGbf Draft D1.1

Y/N/A