IEEE P802.11
Wireless LANs

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| Comment Resolution in LB272 for OST CID (Part 3) |
| Date: 2023-04-22 |
| Author(s): |
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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.

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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 |
| 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:**

**CID 1706:** Agree with the commentor. I have introduced a MIB variable to capture that timeout value. The row corresponding to this comment is removed from Table 11-29a.

**CID 1707**: The timeout value is meant both for the transmitter and the receiver of the frame. So, the text suggested by the commentor is not completely correct. After discussing with the commentor I have converged on the text which is put in the description of the new MIB variable introduced as part of resolution to CID 1706.

**CID 1967:** This table entry is now removed from Table 11-29a as part of resolution to CID 1706. So this comment is not relevant now.

**CID 1071:** This table entry is now removed from Table 11-29a as part of resolution to CID 1706. So this comment is not relevant now.

**Modifications:** Tgbf Editor please make modifications as specified below:

**Tgbf Editor please modify P241L59 as shown below.**

Dot11SENSStationConfigEntry::= SEQUENCE

{

dot11SENSReportSegmentSize, Unsigned32

dot11SBPSetupExpiry, Unsigned32

dot11SensingFrameExchangeTimeout, Unsigned32

dot11DMGSensingProcedureExpiry, Unsigned32

dot11DMGSBPSetupExpiry, Unsigned32

dot11DMGSBPProcedureExpiry, Unsigned32

}

**Tgbf Editor please insert the following text at P242L56**

dot11SensingFrameExchangeTimeout OBJECT-TYPE

SYNTAX Unsigned32 { 20 }

UNITS "milliseconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity or the SME. Changes take effect as soon as practical in the implementation.

A STA transmitting a frame to begin a frame exchange sequence should consider the exchange unsuccessful if it does not receive a response frame from the peer STA within the value of this attribute.

A STA receiving a frame that initiates a frame exchange sequence should consider the exchange unsuccessful if it does not send a response frame to the peer STA within the value of this attribute."

::= { dot11SENSStationConfigEntry 3 }

**Tgbf Editor Please change P242L42 as follows**

::= { dot11SENSStationConfigEntry ~~3~~4 }

**Tgbf Editor Please change P242L55 as follows**

::= { dot11SENSStationConfigEntry ~~4~~5 }

**Tgbf Editor Please change P243L4 as follows**

::= { dot11SENSStationConfigEntry ~~5~~6 }

**Tgbf Editor Please change P173L22-25 as follows**

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

~~Frame Exchange Timeout (see Table 11-29a (Sensing timeout values))~~ dot11SensingFrameExchangeTimeout in response to the Sensing Measurement Setup Request frame.

**Tgbf Editor Please change P173L34 as follows**

If an unassociated non-AP STA intends to participate in a sensing measurement setup initiated by an AP, it shall transmit a Sensing Measurement Setup Query frame to solicit a Sensing Measurement Setup Request frame from the AP. Upon reception of a Sensing Measurement Setup Query frame from an unassociated STA, the AP may transmit a Sensing Measurement Setup Request frame to the unassociated STA within dot11SensingFrameExchangeTimeout to initiate a sensing measurement setup.

**Tgbf Editor Please change P189L40-44 as follows**

Upon reception of a Sensing Measurement Setup Query frame from an unassociated STA, the AP may transmit a Sensing Measurement Setup Termination frame to the unassociated STA within dot11SensingFrameExchangeTimeout ~~a sensing frame exchange timeout (see Table 11-29a (Sensing timeout values))~~, to terminate one or more sensing measurement setup(s).

**Tgbf editor: please remove the first row in Table 11-29a**:

|  |  |  |
| --- | --- | --- |
| **Name** | **Value** | **Description** |
| ~~Sensing Frame Exchange Timeout value~~ | ~~20 ms~~  | ~~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.~~ |
| Unassociated STA Sensing Session Timeout value | 100 s  | The sensing session between an unassociated STA and an AP shall be terminated if the corresponding sensing session expiry timer has expired (see 11.55.1.3 (Sensing session setup)). |
| Unassociated STA Comeback After value | As indicated in the Sensing Measurement Setup Request | Upon reception of a Sensing Measurement Setup Request frame with Comeback subfield of the Sensing Comeback Info field set to 1, the unassociated non-AP STA should transmit a Sensing Measurement Setup Query frame to the AP after this time (see 11.55.1.3 (Sensing session setup)). |
| Unassociated STA Comeback Before value | As indicated in the Sensing Measurement Setup Request | Upon reception of a Sensing Measurement Setup Request frame with Comeback subfield of the Sensing Comeback Info field set to 1, the unassociated non-AP STA should transmit a Sensing Measurement Setup Query frame to the AP before this time (see 11.55.1.3 (Sensing session setup)). |
| Measurement Setup Expiry value | As indicated in the Sensing Measurement Setup Request | Upon expiry of the corresponding measurement setup expiry timer, the sensing initiator and sensing responder shall terminate the sensing measurement setup (see 11.55.1.6 (Sensing measurement setup termination)). |

**References:**

1. Draft P802.11bf\_D1.0

**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 11-23/0718r1 and incorporate the changes into the TGbf Draft D1.0

Y/N/A