IEEE P802.11
Wireless LANs

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| LB272 Resolutions for MS Termination |
| Date: April 18, 2023 |
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Abstract

This submission proposes resolutions to the following LB272 CIDs.

* 1163, 1164, 1166, 1167, 1168, 1503, 1672, 1745, 1746, 1747, 1922, 1923, 2004, 2208, 2212.

The text used as reference is 802.11bf D1.0.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Minor revision based on Ali’s offline comments.
* Rev 2: Revised based on teleconference on April 18 and deferred CID 1166.
* Rev 3: Add the missing CID 1672 to the table according to Leif’s observation. Add the resolution to CID 1166 according to offline discussion with Claudio.

**Comments:**

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1922 | Leif Wilhelmsson | 11.55.1.6 | 189.28 | Remove "After it is established" | It is obvious tha a session must have been established first. Just begin the sentence "A sensing measuremetn setup..." | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1163 | Claudio da Silva | 11.55.1.6 | 189.28 | "... a sensing measurement setup is terminated either..." must be made normative. Shall/should/may/can. | As noted. | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1164 | Claudio da Silva | 11.55.1.6 | 189.42 | "sensing frame exchange timeout" is not defined in Table 11-29a. | Use a value that is defined in Table 11-29a, or define a new parameter. | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1166 | Claudio da Silva | 11.55.1.6 | 189.46 | This paragraph redefines behavior defined in Clause 6; for example, "Upon reception of an MLME-SENSMSMTTERMINATION.request primitive, the STA shall initiate the termination of sensing measurement setup(s) by transmitting the Sensing Measurement Setup Termination frame..." This particular sentence could be re-written as: "The explicit sensing measurement setup termination is initiated by issuing an MLME-SENSMSMTTERMINATION.request primitive with the RA field set to the MAC address of.... The STA that initiates..." | As noted. Please note that more changes are required in addition to the example provided bu the commenter. | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1745 | Alireza Raissinia | 11.55.1.6 | 190.05 | Delete the word "first" as the value needs to be reinitialized in any TB sensing measurement instance | As per comment | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 2212 | narengerile narengerile | 11.55.1.6 | 190.05 | Suggest to list all possible "first frame exchange" in a TB sensing measurement instance for clarification. In DMG, the frame exchange is described by specific frames. | As in the comment | **Revised.**“first” is deleted. So, there is no need to list all possible "first frame exchange".TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1167 | Claudio da Silva | 11.55.1.6 | 190.11 | Note reads as an editor's note. | Delete the note. | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1503 | Albert Petrick | 11.55.1.6 | 190.11 | Notes are not allowed to included normative language. | Remove NOTE or reword the text "AP shall assign polling" | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1672 | Chaoming Luo | 11.55.1.6 | 190.11 | Provide normative text in TB instance clause and remove this note. | As in comment | **Revised.**The note was deleted. No need to provide normative text in TB instance clause.TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1746 | Alireza Raissinia | 11.55.1.6 | 190.12 | Delete this Note as it is misplaced and also Note cannot be normative. | "As per comment | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1923 | Leif Wilhelmsson | 11.55.1.6 | 190.11 | The note reads strange | Consider rewriting the text in the Note. | **Revised.**The note was deleted. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 2004 | Stephan Sand | 11.55.1.6 | 190.11 | Remove the NOTE as it seems out of context | As in comment | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 2208 | narengerile narengerile | 11.55.1.6 | 190.11 | The text in the NOTE is normative, which should not be provided in the NOTE. | Move the text in the NOTE to the subclause of polling phase or NDPA sounding phase as normative text. | **Revised.**The note was deleted. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1168 | Claudio da Silva | 11.55.1.6 | 190.15 | Replace with "shall terminate the sensing measurement setup and issue MLMESENSMSMTTERMINATION.confirm primitives to their respective SMEs." | As suggested. | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |
| 1747 | Alireza Raissinia | 11.55.1.6 | 190.19 | Delete the text "Once the sensing measurement setup between a sensing initiator and a sensing responder is terminated, the sensing responder shall not participate in any sensing measurement instance associated with the Measurement Setup ID of a terminated measurement setup" | "As per comment | **Revised.**Agree with the commenter. TGbf Editor make changes as in doc.: 11-23/0527r3 |

**11.55.1.6 Sensing measurement setup termination**

***TGbf Editor: Please revise clause 11.55.1.6 (Sensing measurement setup termination) as below.***

A(#1922) sensing measurement setup may be(#1163) terminated either explicitly or implicitly. Under the explicit sensing measurement setup termination, a STA uses the Sensing Measurement Setup Termination frame for the sensing measurement setup termination. Under the implicit sensing measurement setup termination, the sensing measurement setup is terminated after the expiration of the measurement setup expiry timer.

Sensing measurement setup(s) may be terminated explicitly at any time by either the sensing initiator or the sensing responder by transmitting an individually addressed Sensing Measurement Setup Termination frame.

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 the time specified as Sensing Frame Exchange Timeout value before Sensing Frame Exchange Timeout expires (see Table 11-29a (Sensing timeout values)), to terminate one or more sensing measurement setup(s).(#1164)

The explicit sensing measurement setup termination is initiated by issuing an MLME-SENSMSMTTERMINATION.request primitive with the RA field set to the MAC address indicated in the primitive (#1166). The STA that initiates the termination of sensing measurement setup(s), shall issue an MLME-SENSMSMTTERMINATION.confirm primitive upon completion of the transmission of the Sensing Measurement Setup Termination frame and terminate the indicated sensing measurement setup(s). The STA that receives the Sensing Measurement Setup Termination frame addressed to it, shall issue an MLME-SENSMSMTTERMINATION.indication primitive and shall terminate the indicated sensing measurement setup(s).

NOTE—Sensing measurement setup termination only applies to the measurement setup(s) between the peer STAs of the Sensing Measurement Setup Termination frame exchange and not to the other sensing responders with the same Measurement Setup ID.

For the implicit sensing measurement setup termination of the measurement setup, the sensing initiator and the sensing responder shall use the measurement setup expiry timer. The measurement setup expiry timer maintains the measurement setup identified with the Measurement Setup ID between the sensing initiator and the sensing responder. The measurement setup expiry timer shall be set to the Measurement Setup Expiry value at

* the success of the procedure specified in 11.55.1.4 (Sensing measurement setup)
* the(#1745, #2212) exchange is completed in the TB sensing measurement instance (see 11.55.1.5.2 (TB sensing measurement instance))
* the exchange is completed in the non-TB sensing measurement instance (see 11.55.1.5.3 (Non-TB sensing measurement instance)).

Upon expiry of the measurement setup expiry timer, the sensing initiator and sensing responder shall terminate the sensing measurement setup and issues MLME-SENSMSMTTERMINATION.confirm primitives to their respective SMEs.(#1168)

**SP: Move to approve resolutions to CIDs 1163, 1164, 1166, 1167, 1168, 1503, 1672, 1745, 1746, 1747, 1922, 1923, 2004, 2208, 2212,**

**as specified in doc.: 11-23/0527r3 and incorporate the text changes into the latest TGbf draft.**