IEEE P802.11
Wireless LANs

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| Resolution for miscellaneous comments  |
| Date: 2024-02-27 |
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Abstract

This submission resolves miscellaneous comments. The following CIDs are resolved: 4031, 4165, 4298, 4300.

Revisions:

* Rev 0: Initial version of the document.

# 4031, 4165

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| **CID** | **Commenter** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 4031 | Chaoming Luo | 145.17 | Grammar issue. The word "this" does not have a context, suggest to change it to "a". And "request ... to participate" sounds better than "request that ... participates". | Change to "An AP may request an unassociated STA in a TB sensing measurement exchange to participate in another sensing measurement session as a sensing responder by setting the Comeback field of the corresponding User Info field in the Sensing Polling Trigger frame to 1." | ***Revised***The commented text duplicates with P149L12, it’s better to be deleted as suggested by CID 4165, with minor editorial changes on the next paragraph.*TGbf editor to make the changes shown in Https://mentor.ieee.org/802.11/dcn/24/11-24-0351-00-00bf-lb281-misc.docx under all headings that include CID 4165.* |
| 4165 | Alireza Raissinia | 149.12 | Change the text "If the AP intends to request a sensing responder that is an unassociated non-AP STA to participate in another sensing measurement session as a sensing responder, the AP may set the Comeback field of the corresponding User Info field in the Sensing Polling Trigger frame in a TB sensing measurement exchange to 1." to | An AP may set the Comeback field of the corresponding User Info field in the Sensing Polling Trigger frame in a TB sensing measurement exchange to 1 to request a sensing responder that is an unassociated non-AP STA to participate in another sensing measurement session as a sensing responder.The new text removed the word "intends" as this word can be perceived 'not testable'.We should discuss if it makes sense to also consider deleting a similar text in P145L17-19 | ***Revised***Agree with the commentor with minor editorial changes related to P145L17-19.*TGbf editor to make the changes shown in Https://mentor.ieee.org/802.11/dcn/24/11-24-0351-00-00bf-lb281-misc.docx under all headings that include CID 4165.* |

## Resolution

**11.55.1.4.2 Sensing measurement session for unassociated STAs**

*TGbf editor to change the two paragraphs at P145L17 of draft D3.0 as follows:*

~~An AP may request that an unassociated STA in this TB sensing measurement exchange participates in~~

~~another sensing measurement session as a sensing responder by setting the Comeback field of the corresponding User Info field in the Sensing Polling Trigger frame to 1.~~ (#4165)

If the sensing responder is an unassociated non-AP STA, the sensing initiator shall assign the sensing

responder to be polled in ~~the~~ a (#4165) TB sensing measurement exchange by setting the Poll Assigned field in the TB Sensing Specific subelement of the Sensing Measurement Parameters element in the Sensing Measurement Request frame to 1.

**11.55.1.5.2.2 Polling phase**

*TGbf editor to change the paragraph at P149L12 of draft D3.0 as follows:*

~~If the AP intends to request a sensing responder that is an unassociated non-AP STA to participate in another sensing measurement session as a sensing responder, the~~ An AP may set the Comeback field of the corresponding User Info field in the Sensing Polling Trigger frame in a TB sensing measurement exchange to 1 to request a sensing responder that is an unassociated non-AP STA to participate in another sensing measurement session as a sensing responder. (#4165) After reception of a Sensing Polling Trigger frame with the Comeback field of the corresponding User Info field set to 1, the unassociated non-AP STA should transmit a Sensing Measurement Query frame to the AP outside the sensing availability window associated with the corresponding Measurement Session ID.

# 4298

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| 4298 | Liuming Lu | 20.20 | The description is confusing. For performing sensing a sensing receiver and sensing responder are needed. | Suggest to change "The sensing procedure allows an HE STA or EHT STA to perform sensing" to "The sensing procedure allows HE STAs or EHT STAs to perform sensing" or "The sensing procedure allows an HE STA or EHT STA to initiate sensing" | ***Revised***Agree with the commentor and use the first option of the proposed change.*TGbf editor to make the changes shown in Https://mentor.ieee.org/802.11/dcn/24/11-24-0351-00-00bf-lb281-misc.docx under all headings that include CID 4298.* |

## Resolution

**4.11 WLAN sensing**

*TGbf editor to change the paragraphs at P20L20 of draft D3.0 as follows:*

The sensing procedure allows ~~an~~ HE STAs or EHT STAs to perform sensing. The SBP procedure enables a non-AP HE STA or non-AP EHT STA to request an HE AP or EHT AP to perform sensing on its behalf. Similarly, the DMG sensing procedure allows ~~a~~ DMG STA(s) to perform DMG sensing, and the DMG SBP procedure enables a non-AP and non-PCP DMG STA to request a DMG PCP/AP to perform DMG sensing on its behalf. (#4298)

# 4300

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| 4300 | Liuming Lu | 140.12 | The description is confusing as a sensing measurement session may contain zero sensing measurement exchanges. | Suggest to change "A sensing measurement session is a set of sensing measurement exchanges that use operational parametersagreed to between a sensing initiator and sensing responder and is identified by a Measurement Session ID." to "A sensing measurement session contains zero or more sensing measurement exchanges that use operational parameters agreed to between a sensing initiator and sensing responder and is identified by a Measurement Session ID." | ***Revised***The commented text does have inconsistency issue with P136L8. However, it not good to normalize such an unwanted ‘zero’ case. And the text duplicates with text in 11.55.1.1 Overview. And there’re also duplicated text about identification using measurement session ID.Further, the group discussed and clarified the relationship between sensing procedure, sensing measurement session, sensing measurement exchange.*TGbf editor to make the changes shown in Https://mentor.ieee.org/802.11/dcn/24/11-24-0351-00-00bf-lb281-misc.docx under all headings that include CID 4300.* |

## Resolution

**11.55 WLAN sensing**

**11.55.1 Sensing procedure**

**11.55.1.1 Overview**

*TGbf editor to change the paragraphs at P136L8 of draft D3.0 as follows:*

~~A sensing procedure is initiated with the establishment of a sensing measurement session, which is then followed by zero or more sensing measurement exchanges, and then terminated either implicitly or explicitly with a sensing measurement session termination.~~

A sensing procedure includes sensing operations in which the sensing STAs exchange sensing capabilities, followed by sensing initiator establishing one or more sensing measurement sessions with sensing responders, followed by one or more sensing measurement exchanges for each sensing measurement session, followed by sensing measurement session termination. (#4300)

NOTE – A sensing initiator can manage multiple Measurement Session IDs to satisfy sensing applications. (#4300)

~~A sensing measurement session is an agreement between a sensing initiator and a sensing responder on operational parameters associated with sensing measurement exchanges (see 11.55.1.4 (Sensing measurement session)).~~ A sensing measurement session includes: sensing measurement session establishment (see 11.55.1.4 (Sensing measurement session)), one or more sensing measurement exchanges using operational parameters agreed during the sensing measurement session establishment, and sensing measurement session termination. (#4300) A sensing measurement exchange is a sequence of frame exchanges that results in the acquisition and/or reporting of sensing measurements (see 11.55.1.5 (Sensing measurement exchange)). Two sensing measurement exchange variants are defined: Trigger-based (TB) sensing measurement exchange (see 11.55.1.5.2 (TB sensing measurement exchange)) and non-TB sensing measurement exchange (see 11.55.1.5.3 (Non-TB sensing measurement exchange)). A sensing measurement session shall be active until either explicitly terminated in a sensing measurement session termination or implicitly terminated with the expiration of a measurement session expiry timer (see 11.55.1.6 (Sensing measurement session termination)).

NOTE – Although a sensing measurement session can be terminated without any measurement exchange performed due to any reason, the intention of establishing a sensing measurement session is to perform at least one exchange to get the measurement results. (#4300)

**11.55.1.4 Sensing measurement session**

**11.55.1.4.1 General**

*TGbf editor to delete the P140L12 of draft D3.0 as follows:*

~~A sensing measurement session is a set of zero or more sensing measurement exchanges that use operational parameters agreed between a sensing initiator and sensing responder and is identified by a Measurement Session ID.~~ (#4300)

To establish a sensing measurement session, the SME of a sensing initiator shall issue an MLME-SENSMSMTSESSION.request primitive that results in the transmission of a Sensing Measurement Request frame from this sensing initiator to a sensing responder.

# SP

Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4031, 4165, 4298, 4300, in 11-24/0351r0.

Y/N/A