IEEE P802.11  
Wireless LANs

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| |  |  |  |  |  | | --- | --- | --- | --- | --- | | LB 272 CR for CIDs (1574, 1953) | | | | | | Date: 2023-07-06 | | | | | | Author(s): | | | | | | Name | Affiliation | Address | Phone | email | | Mahmoud Kamel | InterDigital |  |  | mahmoud.kamel@interdigital.com | | Rui Yang |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

Abstract

This submission proposes resolutions for 2 CIDs (1574, 1953) in subclause 11.55.1.4 in P802.11bf D1.0:

NOTE – Set the Track Changes Viewing Option in the MS Word to “All Markup” to clearly see the proposed text edits.

**Revision History:**

R0: Initial version

## CIDs: 1574, 1953

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| **CID** | **Clause** | **Page.Line** | **Comment** | **Proposed Change** | **Resolution** |
| 1574 | 11.55.1.4 | 172.54 | It is not clear how an unassociated non-AP STA can initiate a non-TB sensing measurement setup with an AP. | State explicitly the procedure by which an unassociated non-AP STA can initiate a non-TB sensing measurement setup with an AP. | **Revise**  Agree in principle with the comment and the changes are applied according to CID 1953.  TGbf editor: please incorporate changes shown in 11-23/1164 below. |
| 1953 | 11.55.1.4 | 173.31 | There is description of how a non-AP STA may act as an unassociated responder, however there is no description of how a non-AP STA may act as an initiator with an unassociated AP as a responder. This will only be applicable for the non-TB measurement instance, and should be stated. | Insert the text following paragraph into section 11.55.1.4: "If an unassociated non-AP STA intends to act as a sensing initiator, it shall transmit a Sensing Measurement Setup Request frame to an AP STA of which the sensing capabilities are known, and include a non-TB Sensing Specific subelement in the Sensing Measurement Parameters element." | **Revise**  Agree in principle with the comment.  TGbf editor: please incorporate changes shown in 11-23/1164 below. |

***TGbf editor: please make the following change in subclause 11.55.1.4.2***

11.55.1.4.2 Sensing measurement session with unassociated STAs (# 2241)

The Comeback field of the Sensing Comeback Info field within the Sensing Measurement Request frame shall be set to 0 if the frame is sent by an AP, it is addressed to an unassociated non-AP STA, and it includes a Sensing Measurement Parameters element (see 9.4.2.319 (Sensing Measurement Parameters element))(#1560).

The Comeback field of the Sensing Comeback Info field within the Sensing Measurement Request frame shall be set to 1 if the frame is sent by an AP, it is addressed to an unassociated non-AP STA, and it does not include a Sensing Measurement Parameters element (see 9.4.2.319 (Sensing Measurement Parameters element))(# 1560).

NOTE—The Comeback field is only applicable for sensing measurement setups with unassociated non-APSTAs(\*0474).

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 Request frame with the Comeback field of the Sensing Comeback Info field set to 1, a non-AP STA shall transmit a Sensing Measurement Query frame to the AP after the time specified as Unassociated STA Comeback After value (see Table 11-29a (Sensing procedure timeout values)) and before the time specified as Unassociated STA Comeback Before value (see Table 11-29a(Sensing procedure timeout values)) to solicit a Sensing Measurement Request frame from the AP. Both STAs(#1085) start a corresponding unassociated STA comeback timer when the exchange of the Sensing Measurement Query frame and the Sensing Measurement Request frame with the Comeback field of the Sensing Comeback Info field set to 1 completes. The unassociated STA comeback timer shall be set to the Unassociated STA Comeback Before value (see Table 11-29a (Sensing procedure timeout values)) indicated in the Sensing Measurement Request frame.

If an AP intends to request from one of the unassociated non-AP STAs in this TB sensing measurement exchange 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 to 1.

If the sensing responder is an unassociated non-AP STA, the sensing initiator shall assign the sensing responder to be polled in the 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(#1548, #1549, #2109).

A sensing initiator shall only request a sensing availability window from an unassociated sensing responder that overlaps with a 10 TU interval in which the sensing responder is available as signaled by the ISTA Availability Window element (see 9.4.2.296 (ISTA Availability Window element)) in the Sensing Measurement Query frame.

If an unassociated non-AP STA intends to act as a sensing initiator, it shall transmit a Sensing Measurement Setup Request frame to an AP STA of which the sensing capabilities are known and shall include a non-TB Sensing Specific subelement in the Sensing Measurement Parameters element (#1574, #1953).