IEEE P802.11
Wireless LANs

|  |
| --- |
| LB272 CR for CIDs on TF Sounding Phase – Part 3 |
| Date: 2023-07-11 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Dong Wei | NXP | 6501 W. William Cannon Dr, Austin, TX, U.S.A. |  | dong.wei@nxp.com |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This document aims to resolve the following three LB272 comments: CIDs 1733, 2286, and 2202.

R0: Initial version

R1: Add CID 2202

R2: Revised resolution for CID 2202

R3: Further revised resolution for CID 2202

R4: Remove CID 2202 from the SP

##### ****CIDs 1733, 2286****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Comment** | **Proposed Change** |
| 1733 | 11.55.1.5.2.4 | 181.02 | Change the text "TB sensing measurement instance if at least one STA that is a sensing transmitter in this TF sounding phase" to | TB sensing measurement instance if at least one STA that is a sensing transmitter to which AP is an sensing receiver in this TF sounding phase |
| 2286 | 11.55.1.5.2.4 | 180.65 | "The SR2SI variant of a TF sounding phase shall be present in a TB sensing measurement instance if at least one STA that is a sensing transmitter in this TF sounding phase and that is not assigned to be polled or has responded in the polling phase."The sounding transmitter could be SR2SR and in this case SR2SI variant does not need to exist | change to "The SR2SI variant of a TF sounding phase shall be present in a TB sensing measurement instance if at least one STA that is a sensing transmitter in this TF sounding phase to be triggered by SR2SI sounding trigger frame and that is not assigned to be polled or has responded in the polling phase" |

**Proposed resolution**: Revised

*TGbf Editor: Please revise the first paragraph of 11.55.1.5.2.4 of D1.2 as follows.*

In the SR2SI variant of a TF sounding phase, the AP solicits SR2SI NDP transmissions from one or more STAs, on which to perform sensing measurements. The SR2SI variant of a TF sounding phase shall be present in a TB sensing measurement exchange if at least one STA that is a sensing transmitter to which the AP is the only sensing receiver in this TF sounding phase and that is not assigned to be polled or has responded in the polling phase.

##### ****CID 2202****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **Clause**  | **Page** | **Comment** | **Proposed Change** |
| 2202 | 11.55.1.5.2.4 | 181.22 | If multiple SR2SI Sounding Trigger frames are sent to solicit SR2SI NDP mutliples times from multiple responders, it is not clear how the remaining responders know whether or not they will be triggered. Is it needed to specify the setting of More TF subfield in Sounding Trigger frame? Please clarify. | As in the comment |

**Proposed resolution**: Revised

*TGbf Editor: Please revise the first paragraph on Page 143 of D1.2 as follows.*

If the number of available sensing transmitters exceeds the available uplink resources, the AP may perform the frame exchange of transmitting an SR2SI Sounding Trigger frame and soliciting the SR2SI NDP transmission(s) multiple times during the TF sounding phase (see Figure 11-74f (Example of a TF sounding phase that contains multiple SR2SI Sounding Trigger frames)). The AP shall indicate the extra measurement exchange(s) by setting the More TF field in the Common Info field of each SR2SI Sounding Trigger frame to 1, except for the last SR2SI Sounding Trigger frame in the TF sounding phase.

**SP:** Do you agree to the resolutions provided in the document 11-23/1243r4for the following 2 CIDs: 1733, 2286,?