IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| LB272 CR for DMG CID 2217 | | | | |
| Date: 2023-06-02 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Narengerile | Huawei | Shenzhen, China |  | narengerile@huawei.com |
| Rui Du |  |  |
| Mengshi Hu |  |  |
| Zhuqing Tang |  |  |
| Yiyan Zhang |  |  |  |

**Abstract**

This document proposes comment resolutions for CID 2217.

R0: initial version on June 2nd, 2023.

# CID 2217

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CID** | **Page** | **Comment** | **Proposed change** | **Proposed resolution** |
| 2217 | 219.10 | The procedure of how sensing responder sends back the SBP report to SBP initiator after the per-instance/per-burst measurement report collection is unspecified. For DMG SBP reporting, TGbf should also specify when to send the SBP report during the scheduled time. The current text is pretty vague, only saying "commence at the time scheduled". | As in the comment | REVISED.  I agree with the commenter in principle. We could specify the SBP reporting process in a similar manner as sub-7.  Please incorporate the modifications specified in 23/0970r0 ([https://mentor.ieee.org/802.11/dcn/23/11-23-0970-00-00bf-lb272-cr-for-dmg-cid-2217.docx](https://mentor.ieee.org/802.11/dcn/23/11-23-xxxx-00-00bf-lb272-cr-for-dmg-cid-2217.docx)) for CID 2217. |

**Discussions for CID 2217:**

Regarding the time when SBP responder sends DMG SBP reports to SBP initiator, the current text in 11.55.4.3 (DMG SBP reporting) gives a very brief description: “The transmission of the DMG SBP report frame(s) shall commence at the time scheduled for the delivery of the frames.” But, the text does not specify clearly what is the “time” that is “scheduled for the delivery of the frames”.

We know from 11.55.4.3 (DMG SBP reporting) that the SBP responder will send the DMG SBP reports to the SBP initiator after it collects the reports from the sensing responders. The collection of reports from sensing responders may happen at instances and/or at bursts, depending on the report type.

As specified in 11.55.3.7 (DMG sensing measurement reporting),

1. Report Type 1, 2 and 4: the sensing responder provides reports in each instance (the report can be a delayed report);
2. Report Type 3, 5, 6 and 7, the sensing responder provides measurement for the whole burst, either after the end of the current burst or after the first instance of the next burst.

Consequently, the “time” that is “scheduled for the delivery of the frames” for the SBP responder can be after each DMG sensing instance, or after the end of a burst or after the first instance of a burst. The following modifications are proposed to improve the clarity.

**Modifications for CID 2217:**

***To TGbf Editor: Please modify the text in 11.55.4.3 DMG SBP Reporting in D1.1 as follows.***

An SBP responder is a sensing initiator that provides service to the SBP initiator. The SME of the SBP responder (sensing initiator) collects DMG reports from the sensing responders associated with the DMG Measurement Session ID set at the DMG SBP setup exchange. The reports are collected at the instance and/or at the burst, depending on the Report types.

The SME of the SBP responder issues an MLME-DMG-SBPREPORT.request primitive to deliver the DMG reports collected from sensing responders at the instance or burst to the SBP initiator. Upon receipt of an MLME-DMG-SBPREPORT.request primitive, the SBP responder shall prepare DMG SBP Report frame(s) to be transmitted to the SBP initiator indicated by the PeerSTAAddress parameter of the primitive.

The DMG Sensing Scheduling subelement conveyed in the DMG SBP Response frame shall provide the schedule information at the DMG SBP setup exchange. The transmission of the DMG SBP report frame(s) shall commence at the time scheduled for the delivery of the frames.

If the DMG reports are collected from sensing responders at instances, the SBP responder may send DMG SBP report frame(s) after the last phase of a DMG sensing instance. If the DMG reports are collected from sensing responders at bursts, the SBP responder may send DMG SBP report frame(s) after the last phase of the last DMG sensing instance in a burst or after the last phase of the first DMG sensing instance in a burst. (#2217)

At the time scheduled to deliver the DMG SBP report frame(s), the SBP responder shall transmit all frames prepared for delivery at the preceding scheduled time(#2089).

SP:

Do you agree to the resolution provided for CID 2217 to be included in the latest 11bf Draft?

Y/N/A