IEEE P802.11
Wireless LANs

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| LB276 resolutions on primitive-related comments – Part 4 |
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**Abstract**

This document proposes the comment resolution for CID 3110 and 3111.

R0: initial version on Sept 20, 2023.

R1: revised version on Oct 10, 2023. Changed the CID tag.

# 3110

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| **CID** | **Clause** | **Page** | **Comment** | **Proposed change** | **Proposed resolution** |
| 3110 | 11 | 133.01 | There is no text in chapter 11 to explain what to do in the case of MLME-DMG-SENSMSMT (presented in Table 6-1, page 23 line 44) | Add text in chapter 11 to describe what to do | **REVISED.**Agree with the commenter. Please refer to the modifications in DCN 23/1659r0:<https://mentor.ieee.org/802.11/dcn/23/11-23-1659-01-00bf-lb276-resolutions-on-primitive-related-comments-part-4.docx> |
| 3111 | 11 | 133.01 | There is no text in chapter 11 to explain what to do in the case of MLME-DMG-SENSREPORT (presented in Table 6-1, page 23 line 45) | Add text in chapter 11 to describe what to do |

**Discussions:**

I agree with the commenter on these two comments. We should add normative texts in clause 11 to define the use of MLME-DMG-SENSMSMT primitive and MLME-DMG-SENSREPORT primitive. Both of the primitives are reporting-related.

* MLME-DMG-SENSMSMT primitive:
	+ Type 7 – it has only MLME-DMG-SENSMSMT.indication primitive.
	+ Issued at the sensing receiver, when receiving the BRP frame or EDMG multistatic sensing PPDU.
	+ (similar as MLME-SENSREPORT.indication primitive used for Sub-7)
* MLME-DMG-SENSREPORT primitive:
	+ Type 3 – it has MLME-DMG-SENSREPORT.request and MLME-DMG-SENSREPORT.indication primitives.
	+ MLME-DMG-SENSREPORT.request primitive is issued at the sensing responder to cause the measurement report to be sent to the sensing initiator.
	+ MLME-DMG-SENSREPORT.indication primitive is issued at the sensing initiator after receiving the measurement report

The text changes will be made to subclauses on Bistatic and Multistatic sensing types.

**Modifications:**

(Bistatic)

***To TGbf editor: Please modify the text in 11.55.3.6.3 at P183L24-29 as follows.***

…sensing instance times, going to the first one after the last one. All BRP frames transmitted by the sensing initiator shall be separated by SIFS. Upon reception of a BRP frame with a TRN field, the sensing responder shall issue an MLME-DMG-SENSMSMT.indication primitive that includes sensing measurements obtained with the beams in the TRN field of the received BRP frame. (#3110) The sensing responder shall issue an MLME-DMG-SENSREPORT.request primitive to prepare a BRP frame with a report to be transmitted to the sensing initiator a BRPIFS after the received BRP frame. (#3111) The report may be based on Channel Measurement Feedback elements or DMG Sensing Report elements. The presence and type of the report is indicated by the Report Control field of the DMG Sensing Report Element (see 9.4.2.330 (DMG Sensing Report element)). Upon reception of a BRP frame with a report, the sensing initiator shall issue an MLME-DMG-SENSREPORT.indication primitive. (#3111)

***To TGbf editor: Please modify the text in 11.55.3.6.3 at P183L42-45 as follows.***

same as in a bistatic DMG sensing instance in which the sensing initiator is the sensing transmitter. All BRP frames transmitted by the sensing responder shall be separated by SIFS. Upon reception of a BRP frame with a TRN field, the sensing initiator shall issue an MLME-DMG-SENSMSMT.indication primitive that includes sensing measurements obtained with the beams in the TRN field of the received BRP frame. (#3110) There is no reporting in bistatic DMG sensing instances in which the sensing initiator is the sensing receiver.

(Multistatic)

***To TGbf editor: Please add the following text in 11.55.3.6.5.2 at P185L43.***

**11.55.3.6.5.2 Sounding**

…the same parameters. All the EDMG multistatic sensing PPDUs in a multistatic EDMG sensing instance shall have the same PPDU length and TRN field format.

Upon receiving an EDMG multistatic sensing PPDU, the sensing responder shall issue an MLME-DMG-SENSMSMT.indication primitive that includes sensing measurements obtained with the beams in the TRN field of the received EDMG multistatic sensing PPDU. (#3110)

***To TGbf editor: Please add the following text in 11.55.3.6.5.2 at P185L49.***

**11.55.3.6.5.3 Reporting**

The multistatic EDMG sensing instance may end with the sensing initiator polling each of the sensing

responders for sensing measurement reports.

The SME of the sensing responder shall issue an MLME-DMG-SENSREPORT.request primitive to prepare a DMG Sensing Report frame to be transmitted to the sensing initiator. (#3111)

The sensing initiator sends a DMG Sensing Poll frame to each of the sensing responders a SIFS after the transmission of the last PPDU. Each sensing responder responds after a SIFS with a DMG Sensing Report frame which includes a DMG Sensing Report Control element and either a DMG Sensing Report element or one or more Channel Measurement Feedback elements.

Upon reception of such a DMG Sensing Report frame, the sensing initiator shall issue an MLME-DMG-SENSREPORT.indication primitive. (#3111)

SP:

Do you agree to the resolution provided for CIDs 3110 and 3111 in 23/1659r1 to be included in the latest 11bf Draft?

Y/N/A