IEEE P802.11
Wireless LANs

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| LB272-DMG-CIDs-v4 |
| Date: 2023-04-24 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Assaf Kasher | Qualcomm |  |  | akasher@qti.qualcomm.com |

Abstract

This document proposes resolution to several LB272 DMG related CIDs.

The list of CIDs is: 1377, 1841, 1842, 2255, 2092, 2183, 2184, 2215, 1054, 2006, 1849, 1456, 1475, 1850, 1458, 1459, 1927, 2213, 1046, 1232, 1383, 1384, 1385, 1386, 1387

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| 1377 | 9.4.2.329.3 | 132.49 | "Reflection Subelements" - this is a subelement of a subelement. This doesn't work | Replace "Reflection Subelements" with "Reflection fields" - submission will be provided | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx> |

***TGbf Editor: in subclause 9.4.2.329.3 replace “Reflection Subelements” with “Reflection fields” including in figure 9-1002cc (twice). Replace “Reflection subelement” with “Reflection field”***

***TGbf Editor: in subclause 9.4.2.329.4 replace “Reflecection Subelements” with “Target Fields”***

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| 1841 | 9.4.2.329.3 | 133.32 | Why part of the Field descriptions belonging to Figure 9-1002cc are placed after the list of field descriptions for Figure 9-1002cd? | Move field descriptions to other field descriptions of Figure 9-1002cc or separate this field descriptions from text above to have a more clear text allocation to both figures | Reject. The reason is that 9-1002cd describes a field in 9-1002cc, The description of fields after this figure are about fields that appear after this field (axis present) |

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| 1842 | 9.4.2.329.4 | 136.23 | Why part of the Field descriptions belonging to Figure 9-1002ch are placed after field descriptions for Figure 9-1002ci? | Move field descriptions to other field descriptions of Figure 9-1002ch or separate this field descriptions from text above to have a more clear text allocation to both figures | Reject. The reason is that 9-1002ci describes a field in 9-1002ch, The description of fields after this figure are about fields that appear after this field (axis present) |

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| 2255 | 9.4.2.329.3 | 133.08 | In addition to adding Reflection phase in reflection element in Figure 9-1002ce and Figure 9-1002cf, the presence of Reflection phase needs to be signaled. | Add a bit to signal presence of Reflection phase in Figure 9-1002cd--Axis Present field format | Revised: this CID has been resolved by https://mentor.ieee.org/802.11/dcn/23/11-23-0505-01-00bf-lb272-dmg-cids-phase-report.docx |

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| 2092 | 9.6.21.10 | 158.26 | The Information column corresponding to order 5 should be 'one or more DMG Sensing Report elements or one or more Channel Measurement Feedback elements' | As in comment. | Reject, the DMG Sensing report element is an extensible element. When extensible elements appear in frame format tables, they are not listed as “one or more” |

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| 2183 | 9.6.21.10 | 158.49 | In Table 9-401v, if the Report Type is set to 0, it refers to No report, and if the Report Type is set to 1, it refers to CSI report, that is channel measurement report. This is inconsistent with the text on page 158. Please clarity. | As in the comment | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx> |

***TGbf Editor: In the information column of table 9-576c (DMG Sensing Measurement Report frame Action field format), add the text “(optionaly present)” at the end.***

***TGbf Editor: Change the text in P158L49-56 as follows:***

If the Report Type field within the Report Control field in the DMG Sensing Report Control element is set to 1, the Channel Measurement Feedback element(s) is present in the DMG Sensing Measurement Report

frame.

If the Report Type field within the Report Control field in the DMG Sensing Report Control element is set to a value between 2-7 (inclusive), the DMG Sensing Report element is present in the DMG Sensing Measurement Report frame.

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| 2184 | 9.6.21.14 | 163.01 | The value of Report Type being 1 in DMG Sensing Report Control element is not indicating DMG Sensing Report. Here, the text may refer to a different Report Type. Please clarify. | As in the comment | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx>  |

***TGbf Editor: Delete the text in P163L1-02***

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| 2215 | 9.6.21.8 | 156.62 | There isn't a counterpart subfield in Allocation field to replace Number Bursts as in DMG Sensing Scheduling subelement. So, the subfield Number Bursts cannot be set to 0 when SP is used for DMG sensing. | Please modify the text for clarification. | Reject: when scheduling of a burst using an SP, the nature of the SP dictates how many bursts exist. If it is pseudo-static, it will continue as long as it appear in the extended schedule element or dot11MaxLostBeacons have not passed. If it is not pseudo-static, then only one burst within a single beacon exist. |

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| 1054 |  | 0.00 | 11bf lacks of phase report in (E)DMG report elements for vital sign detection. Vital sign detection is one of 11BF use cases. | Add phase report in (E)DMG report elements for vital sign detection | Revised: this CID has been resolved by https://mentor.ieee.org/802.11/dcn/23/11-23-0505-01-00bf-lb272-dmg-cids-phase-report.docx |

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| 2006 | 11.5.3.5 | 202.22 | Typo "ruled". Please replace "ruled" by "rules". | As in comment | accept |

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| 1849 | 11.55.3 | 195.21 | Since DMG sensing consists of mutliple procedures, ti would be better to refer to the procedues as DMG sensing. | Change "DMG sensing procedure" to "DMG sensing" throughout the draft.Note to editor "I searched through the draft for the term and it looked as though this change could be made globally. | Reject: DMG Sensing is the capability or the general process. DMG Sensign procedure is how exactly it is done |

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| 1456 | 11.55.3.1 | 195.43 | "Coordinated monostatic sensing is an extension of monostatic sensing to coordinate monostatic sensing." Suggest to rephrase | Replace with "Coordinated monostatic sensing is an extension of monostatic sensing to coordinate several monostatic sensing responders." | Accept |

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| 1457 | 11.55.3.1 | 195.64 | "A DMG sensing procedure may be comprised of multiple DMG sensing instances. The instances may be sequenced in a DMG sensing bursts. The burst may be comprised of multiple DMG sensing instances."Suggest to rephrase | Replace with "A DMG sensing procedure may be comprised of multiple DMG sensing instances. The instances may be sequenced in a DMG sensing bursts. The burst may be comprised of multiple DMG sensing instances." | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx> |

***TGbf Editor: Change the text in P195L64-65 as follows:***

A DMG sensing procedure may be comprised of multiple DMG sensing Instances. DMG instances may be sequenced in DMG sensing bursts. A DMG sensing burst may be comprised of multiple DMG sensing instances.

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| 1850 | 11.55.3.1 | 195.24 | Similar to WLAN sensing, DMG sensing should have an introductory sentence | Insert the following sentence at the beginning of the clause "DMG sensing procedures allow a DMG STA to perform sensing. | Accept |
| 1458 | 11.55.3.3 | 198.30 | "The PCP/AP shall set the Sensing Supported subfield of the Short DMGSensing Capabilities field to 1 to indicate it supports any type of DMG sensing." Duplication of the Dependencies sub clause. | Remove the sentence | Accept |

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| 1459 | 11.55.3.3 | 198.37 | "The DMG sensing session setup is compete when a DMG STA and a DMG PCP/AP have exchanged theircapabilities." Wrong sentence. For example, an exchange of the prob frames does not complete the session setup. | Replace with "The DMG sensing session setup is complete when a DMG STA and a DMG PCP/AP have completed the association." | Accept |
| 1927 | 11.55.3.3 | 198.37 | typo, compete should be complete | change as indicated in the comment | Accept  |

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| 2213 | 11.55.3.3 | 199.10 | The initiator is in the transmitter role for multistatic sensing. The text is inaccurate. If the condition is "and/or", then the initiator can take the role of sensing receiver in multistatic, which is incorrect. | Modify the text. | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx> |

***TGbf Editor: Change the text in P199L8-10***

The sensing initiator of the DMG sensing type multistatic shall be capable of the sensing transmitter.

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| 1046 | 11.55.3.4 | 201.09 | It seems the frame should be "DMG Sensing Measurement Setup Response frame", not "Request" frame. | Change "Request" to "Response". | Reject: The sensing initiator assignes sensingbeams in the request, not the resposne. The responders don’t have all the information to select non-interfering beams |

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| 1232 | 11.55.3.4 | 189.25 | "The DMG sensing measurement setup procedure is optional." The optional behavior is not defined | If the optionality is still persued, the conditions of the optionality shall be defined.There are a few options:- The Initiator may initiate sounding w/o the setup. The definition shall provide conditions that enable this.- The responder advertizes capabilty associated with default parameters for this case.Overwise, the text shall be removed. | Revise: TGbf editor: make changes specified in <https://mentor.ieee.org/802.11/dcn/23/11-23-0751-00-00bf-lb272-dmg-cids-v4.docx> |

***TGbf Editor: Change the text in P199L24-25 as follows:***

sensing responder are assigned a DMG Measurement Setup ID.

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| 1383 | 11.55.3.4 | 199.43 | "to type of report" - missing article | replace with "to the type of report" | Accept |

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| 1384 | 11.55.3.4 | 200.44 | "scheduled by the sensing initiator to employ in the sensing instances" - language | replace with "scheduled by the sensing initiator to participate in the sensing instances" | Accept |

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| 1385 | 11.55.3.4 | 200.58 | "The sensing initiator shall set the Allocation Block Duration subfieldequal to the time allocated for the instance" - wrong aritcle | replace with "The sensing initiator shall set the Allocation Block Duration subfieldequal to the time allocated for an instance" | Accept |

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| 1386 | 11.55.3.4 | 200.61 | The paragraph in P200L61-65 is a repeat of lines 29-33. These are not fields of the extended schedule element | delete the paragraph | Reject. These are fields that are not part of the allocation in the extended scheudle element, and therefore should be set even in SP scheduling |

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| 1387 | 11.55.3.4 | 201.38 | "same DMG sensing measurementinstance" - multiple instances will be used | replace with "same DMG sensing measurementinstances" | Accept |

SP: Do you agree to the resolutions of CIDs 1377, 1841, 1842, 2255, 2092, 2183, 2184, 2215, 1054, 2006, 1849, 1456, 1475, 1850, 1458, 1459, 1927, 2213, 1046, 1232, 1383, 1384, 1385, 1386, 1387 as depicted in 11-23-0751r0.

**references: Draft P802.11bf\_D1.0**