IEEE P802.11  
Wireless LANs

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| **LB272 CR for Sensing Trigger frame part2** |
| **Date:** 2023-05-13 |
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Abstract

This submission proposes the resolutions for following 10 CID

* 1934, 1558, 1644, 1285, 2207, 2113, 1869, 1645, 1525, and 1772

Revisions:

* Rev 0: Initial version of the document.

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGbf D1.0 Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGbf D1.0 Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGbf Editor: Editing instructions preceded by “TGbf Editor” are instructions to the TGbf editor to modify existing material in the TGbf draft. As a result of adopting the changes, the TGbf editor will execute the instructions rather than copy them to the TGbf Draft.***

#### *CID 1934*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1934 | 11.55.1.5.2.2 | 178.46 | In many places throughout section 11.55.1.5.2, reference is made to a "Sensing Polling Trigger frame". However, section 9.3.1.22.14.2 defines it as a "Sensing Poll Trigger frame". There are also some instances throughout the section which refer to it correctly, however there are at least 13 incorrect references. | Change all instances of "Sensing Polling Trigger frame" to "Sensing Poll Trigger frame" to match with 9.3.1.22.14.2. | Rejected.  On 23/0511r1, we decided to use “Sensing Polling” instead of “Sensing Poll”. Thus, Consistent terminology should be used. |

Discussion:

#### *CID 1558*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1558 | 9.3.1.22.14.2 | 78.36 | The Comeback subfield indicates different behaviors depending on which frame includes this subfield. | Change the text to "The Comeback subfield in the User Info field of a Sensing Poll Trigger frame indicates..." | Revised  To make it clearly, it can be modified.  Instruction to TGbf Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/ 11-23-0656-00-00bf-LB272-CR-for-Sensing-Trigger-frame-part2.docx |

Discussion:



***TGbf Editor: please modify the text of 11bf D1.0 as follows***

The Comeback field in the User Info field of a Sensing Polling Trigger frame indicates performing a new sensing measurement setup for an unassociated non-AP STA. The Comeback field in the User Info field of a Sensing Polling Trigger frame is set to 1 to indicate that the AP intends to perform a new sensing measurement setup with this unassociated non-AP STA. Otherwise, the subfield is set to 0.

#### *CID 1644*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1644 | 9.3.1.22.14.3 | 78.55 | SS Allocation/RA-RU Information field should be changed to SS Allocation field since RA-RU information is not relevant to Sensing Poll Trigger frame. | As in comment | Rejected.  I agree with the commenter in principle.  However, some fields included in the user field are already described that it is identical to the corresponding field in the user field of the basic Trigger frame.  So, we don’t need to change it. |

Discussion:



#### *CID 1285*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1285 | 9.3.1.22.14.3 | 78.56 | In the subclause 11.55.1.5.2.6 only the term SS Allocation subfield is used, propose to remove "RA-RU information subfield" in figure Figure 9-98d. | as in the comment | Rejected.  Some fields included in the user field are already described that it is identical to the corresponding field in the user field of the basic Trigger frame.  So, we don’t need to change it. |

Discussion: None

#### *CID 2207*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 2207 | 9.3.1.22.14.3 | 79.29 | Please clarify the STA Info field with AID12/USID12 = 2008 is present or not in a Sensing Sounding trigger frame when the polling phase is not present in a measurement instance. | As in the comment | Rejected.  It is obvious that AID/USID = 2008 is only used when the Sensing polling frame is transmitted by AP according to the description of P79L31. |

Discussion:



#### *CID 2113*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 2113 | 9.3.1.22.14.3 | 79.32 | The term "Sensing Sounding Trigger frame" is not accurate. | Changed to "SR2SI Sounding Trigger frame" | Accepted |

#### *CID 1869, 1645*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1869 | 9.3.1.22.14.4 | 79.46 | The descriptions of the fileds of Sensing Report Trigger frame are missing | Describe each field of the Sensing Report Trigger frame in Figure 9-98f | Revised.  I agree with the commenter in principle.  The description for each field should be included.  Instruction to TGbf Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/ 11-23-0656-00-00bf-LB272-CR-for-Sensing-Trigger-frame-part2.docx |
| 1645 | 9.3.1.22.14.4 | 79.55 | SS Allocation/RA-RU Information field should be changed to SS Allocation field since RA-RU information is not relevant to Sensing Report Trigger frame | As in comment | Revised.  According to the resolution for CID 1869, the description for SS Allocation/RA-RU Information field is added.  Please refer the resolution for CID 1869.  Instruction to TGbf Editor: incorporate the changes in https://mentor.ieee.org/802.11/dcn/23/ 11-23-0656-00-00bf-LB272-CR-for-Sensing-Trigger-frame-part2.docx |

Discussion: None

***TGbf Editor: please add the text after figure 9-98f of 11bf D1.0 as follows***

The AID12/USID12 subfield is identical to the corresponding subfield in the Sensing Polling Trigger frame. The RU Allocation, UL FEC Coding Type, UL HE-MCS, UL DCM, SS Allocation/RA-RU Information, UL Target Receive Power subfields are identical to the corresponding subfield in the Basic Trigger frame; see 9.3.1.22 (Trigger frame format).

#### *CID 1525*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1525 | 9.3.1.22.14.4 | 79.53 | It is not clear how the AP will allocate resources for unassociated STAs to report their sensing measurements without knowing the puncturing pattern in the OBSS AP to which this unassociated STA is associated. It is likely that this unassociated STA is served by an AP which employs a puncturing pattern that is different from the Initiator AP and the RU Allocation subfield in the User Info field may contain an allocation which is punctured in this OBSS and should not be used for transmission. | As in comment | Rejected.  The Puncturing is not allowed in the sensing measurement and the RU allocation subfield is identical to the corresponding subfield in the basic Trigger frame. Please refer the Table 9-52— B7–B1 of the RU Allocation subfield in 802.11Revme D2.1. |

Discussion: None

#### *CID 1772*

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| **CID** | **Clause** | **PP.LL** | **Comment** | **Proposed Change** | **Resolution** |
| 1772 | 9.3.1.22.14.4 | 79.65 | There is a figure showing the fields in the User Info field, but then they are not defined. | I assume that the intent is that the subfields in this figure are defined the same way as the subfields with the same names in some other field, but that still needs to be stated. | Revised.  I agree with the commenter in principle.  The description for some fields included in the user field by the resolution for CID 1869.  Please refer the resolution for CID 1869  Instruction to TGbf Editor: No further change needs. |

Discussion: None

# SP

Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 1934, 1558, 1644, 1285, 2207, 2113, 1869, 1645, 1525, and 1772 in 11-23/0656r?

Y/N/A