IEEE P802.11
Wireless LANs

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| Resolution for Miscellaneous CIDs related to Trigger frame (CC34) |
| Date: Apr 15, 2021 |
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 Abstract

This submission proposes resolutions for following 10 comments received for TGbe CC34:

* 10 CIDs: 1003, 1595, 1596, 1597, 1598, 1600, 1601, 1602, 1940, 2011

Revisions:

* Rev 0: Initial version of the document.

***TGbe editor: Please note Baseline is REVmd D5.0, 11ax D8.0, and 11be D0.4***

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 TGbe Draft. This introduction is not part of the adopted material.

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

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

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| **CID** | **Commenter** | **Clause** | **Page** | **Comment** | **Proposed Change** | **Resolution** |
| 1003 | Abhishek Patil | 9.3.1.22.1 | 57.20 | Table 9-29i needs to be updated to consider BW > 160 MHz | As in comment | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, Table 9-29j1 has been added to D0.4 to handle BW > 160 MHzTGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 1595 | Eunsung Park | 9.3.1.22.1 | 57.20 | In order to trigger EHT TB PPDU, Trigger frame needs to be modified. For example an EHT Common Info field and EHT User Info field are needed in the Trigger frame. | Specify EHT Common Info field and EHT User Info field in the Trigger frame. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, subclause 9.3.1.22 (Trigger frame format) in D0.4 covers the EHT Common Info field and User Info field.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 1596 | Eunsung Park | 9.3.1.22.1 | 57.20 | A particular method needs to be defined to solicit either EHT or HE TB PPDU in Trigger frame. | Specify how the Trigger frame solicits either EHT or HE TB PPDU. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/490r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0490-04-00be-pdt-trigger-frame-update.docx], which specifies how the Trigger frame solicits either EHT or HE TB PPDUTGbe Editor: Please incorporate the changes as proposed by 11-21/490r4.  |
| 1597 | Eunsung Park | 9.3.1.22.1 | 57.20 | 320MHz EHT TB PPDU is supported in 11be and spec needs to specify how to trigger it.. | Specify how to trigger 320MHz EHT TB PPDU. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, subclause 9.3.1.22 (Trigger frame format) in D0.4 defines how to trigger 320MHz EHT TB PPDU.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 1598 | Eunsung Park | 9.3.1.22.1 | 57.20 | Since the tone plan has been changed in TGbe, a new design for RU Allocation subfield is needed in the Trigger frame which can assign STAs to RUs/MRUs for EHT TB PPDU transmission. | Define a new design for RU Allocation subfield in the Trigger frame and specify how to assign STAs to RUs/MRUs for EHT TB PPDU transmission. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, Table 9-29j1 (Encoding of PS160 and RU Allocation subfields in an EHT variant User Info field) in D0.4 defines new RU Allocation subfield.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 1600 | Eunsung Park | 9.3.1.22.1 | 57.20 | Trigger frame has the UL HE-SIG-A2 Reserved subfield in the Common Info field and when Trigger frame solicits HE TB PPDU this subfield is copied and pasted into the Reserved field in HE-SIG-A of HE TB PPDU. Even if Trigger frame solicits EHT TB PPDU, Trigger frame still has the UL HE-SIG-A2 Reserved subfield in the Common Info field and in this case spec needs to define how to set this subfield. | Describe how to set the UL HE-SIG-A2 Reserved subfield in Common Info field when EHT TB PPDU is triggered. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/490r04 [https://mentor.ieee.org/802.11/dcn/21/11-21-0490-04-00be-pdt-trigger-frame-update.docx], which specifies how to set B54 and B55 in Common Info field when EHT TB PPDU is triggered.TGbe Editor: Please incorporate the changes as proposed by 11-21/490r4.  |
| 1601 | Eunsung Park | 9.3.1.22.1 | 57.20 | In order for OBSS EHT STAs to perform spatial reuse, a particular SR subfield for EHT needs to be defiend in Trigger frame. | Define an SR subfield for EHT STAs in Trigger frame and describe its detail. | **Revised**Agree with the commenter in principle. Definition of SR subfield has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, Figure 9-64f3 (Special User Info field format) in D0.4 defines two SR fields for EHT STAsDetailed rules of the SR subfields have been resolved in doc: IEEE 21/491r1 [ https://mentor.ieee.org/802.11/dcn/21/11-21-0491-01-00be-d0-3-cr-for-cid-1599.docx]TGbe Editor: Please incorporate the changes as proposed by 11-21/491r1.  |
| 1602 | Eunsung Park | 9.3.1.22.1 | 57.20 | U-SIG in EHT TB PPDU has a Disregard field and Trigger frame needs a certain subfield which is used to set the Disregard field of EHT TB PPDU for the same setting in all STAs transmitting EHT TB PPDU. | Define a U-SIG Disregard subfield in the Trigger frame which is used to set the Disregard field in U-SIG of EHT TB PPDU. | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, Table 9-29j4 (Mapping from Special User Info field to U-SIG-1 and U-SIG-2 fields in the EHT TB PPDU) in D0.4 defines how to set the disregard field in U-SIG of EHT TB PPDU.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 1940 | Jian Yu | 9.3.1.22 | 57.17 | Define enhanced trigger frame format | As in comment | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, subclause 9.3.1.22 (Trigger frame format) in D0.4 covers the EHT Common Info field and User Info field.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |
| 2011 | JINYOUNG CHUN | 9.3.1.22 | 57.17 | We need to update the trigger frame for EHT TB PPDU because of 320MHz BW support, (M)RU allocation, etc. | Newly define Trigger frame format for EHT TB PPDU | **Revised**Agree with the commenter in principle. This has been resolved in doc: IEEE 21/259r4 [https://mentor.ieee.org/802.11/dcn/21/11-21-0259-04-00be-pdt-trigger-frame-for-eht.docx]. As a result, subclause 9.3.1.22 (Trigger frame format) in D0.4 covers the EHT Common Info field and User Info field.TGbe Editor: Please incorporate the changes as proposed by 11-21/259r4.  |

**Do you support the resolutions for the following CIDs in doc 11-21/0682r0:**

1003, 1595, 1596, 1597, 1598, 1600, 1601, 1602, 1940, 2011