IEEE P802.11  
Wireless LANs

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| TGbe September 2023 Meeting Minutes | | | | |
| Date: 2023-09-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Jason Yuchen Guo | Huawei |  |  | guoyuchen@huawei.com |
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|  |  |  |  |  |

Abstract

This document contains the minutes for the May 2023 IEEE 802.11 TGbe sessions.

Revision history:

* Rev0: First version of the document.

Abbreviations:

* C: Comment.
* A: Answer.

# Sept. 11, Monday, AM2, Joint (10:30-12:30)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Jason Yuchen Guo (Huawei) is serving as the Secretary.
* Registration information
  + The chair announced that registration is needed to attend this meeting.
* Meeting protocol
  + The chair announced that everyone is required to log in WebEx to vote.
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
* Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
* Please record your attendance during the conference call by using the IMAT system:
  + 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to:
  + Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
* IEEE 802 and 802.11 IPR policy and procedure
  + Patent Policy: Ways to inform IEEE:
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair. **Nobody speaks/writes up**.

* + Copyright Policy: Participants are advised that
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy

**Copyright Policy was presented.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
  + **Summary from July meeting & conf calls**
  + **Progress Report**
* Agenda
  + **Submissions-Joint:**
    - [1410r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1410-00-00be-lb275-cr-for-tpe.docx) CR for TPE Yanjun Sun [6C]
    - [1411r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1411-00-00be-lb275-cr-for-puncturing.docx) CR for puncturing Yanjun Sun [2C]
    - ~~1472r0 CR for EHT MU Operation Jason Yuchen Guo [XC]~~
    - [1510r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1510-00-00be-cr-for-19592-and-19893.docx) CR for 19592 and 19893 Yanjun Sun [2C]
  + **Submissions-MAC:**
    - [1402r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1402-02-00be-resolution-of-epcs-related-cids-lb275.docx) Resolution of EPCS-related CIDs (LB275) John Wullert [31C-30GT]
    - [1458r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1458-00-00be-lb275-cr-for-35-3-7-2-4-part-1.docx) CR for 35.3.7.2.4 part 1 Jason Y. Guo [8C]
  + Discussions:
    - Doc. 1472 is deferred
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [1410r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1410-00-00be-lb275-cr-for-tpe.docx) CR for TPE Yanjun Sun

C: Editorial suggestions

C: 19382 is deferred per Ming’s request.

C: 19622, the power is defined for 320MHz only in the frame format, which is not consistent with the text in the last page. Change “320MHz” to “EHT” in the field name.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1410r2 and incorporate the text changes into the latest TGbe draft?

         19622,19623,19668,19908,19621

Discussion: None.

Result: No objection.

* + [1411r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1411-00-00be-lb275-cr-for-puncturing.docx) CR for puncturing Yanjun Sun

C: we’ve already had the EHT Operation element to do the function, it seems we don’t need the Channel Switch Wrapper element.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1411r0 and incorporate the text changes into the latest TGbe draft?

         19625

Discussion: None.

Result: No objection.

* + [1510r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1510-00-00be-cr-for-19592-and-19893.docx) CR for 19592 and 19893 Yanjun Sun

C: Clarification questions.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1510r0 and incorporate the text changes into the latest TGbe draft?

         19592 and 19893

Discussion: None.

Result: No objection.

* + [1402r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1402-02-00be-resolution-of-epcs-related-cids-lb275.docx) Resolution of EPCS-related CIDs (LB275) John Wullert

C: 19547, editorials: remove the period, and change “See” to “see”

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1402r5 and incorporate the text changes into the latest TGbe draft?

         19345, 19547, 19548, 19549, 19550, 19551, 19552, 19553, 19554, 19555, 19304, 19556, 19306, 19307, 19308, 19557, 19305, 19558, 19309, 19310, 19311, 20125, 19559, 19560, 19561, 19562, 19563, 19731, 19564, 19565, 19312

Discussion: None.

Result: No objection.

* + [1458r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1458-00-00be-lb275-cr-for-35-3-7-2-4-part-1.docx) CR for 35.3.7.2.4 part 1 Jason Y. Guo

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1458r0 and incorporate the text changes into the latest TGbe draft?

         19318 19701 19946 19947 20045 19573 19106 19654

Discussion: None.

Result: No objection.

* + Agenda discussion
    - Doc 1471 and 1553 are added to the agenda
    - No objection is received
  + 1471r0 LB275 CR for 35.12 Jason Yuchen Guo

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1471r0 and incorporate the text changes into the latest TGbe draft?

         19403 19069

Discussion: Qi asked for deferral.

SP deferred.

* + 1553r0 LB275 CR on TWT and P2P Rubayet Shafin

C: why are the individual TWT and broadcast TWT treated differently?

C: using the baseline action frames can already do that.

C: TDLS peer STAs need to have deterministic knowledgement of the capabilities of each other to know whether the peer supports the rTWT.

Unfinished document.

* Recess at 12:30

# Sept 11, Monday PM2, Joint (13:30-15:30)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Jason Yuchen Guo (Huawei) is serving as the Secretary.
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* IEEE 802 and 802.11 IPR policy and procedure
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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy

**Copyright Policy was presented.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Agenda
  + **Submissions:**
    - [1527r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1527-00-00be-lb275-cr-for-cids-in-35-3-1.docx) CR for CIDs in 35.3.1 Ming Gan [7C]
    - [1526r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1526-00-00be-lb275-cr-for-cids-in-clause-9.docx) CR for CIDs in clause 9 Ming Gan [11C]
    - [1525r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1525-00-00be-lb275-cr-for-twt-teardown.docx) CR for TWT Teardown Ming Gan [8C]
    - [1505r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1505-00-00be-pdt-for-multi-link-reconfiguration.docx) PDT for Multi-link Reconfiguration Guogang Huang [1C]
  + Discussions:
    - Ming’s documents are deferred due to a meeting conflict
    - Laurent asked to add doc. 1547
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [1505r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1505-00-00be-pdt-for-multi-link-reconfiguration.docx) PDT for Multi-link Reconfiguration Guogang Huang

C: On the 2nd view point, we can simply extend the inheritance to the Multi-Link Reconfiguration element.

A: It’s redundant to define inheritance rules again to be used by the Multi-Link Reconfiguration element.

C: don’t understand why we need such changes since we can already do that.

SP deferred.

* + 1547r0 LB275 CR for misc CIDs Laurent Cariou

C: Guogang asked to defer CID 19423 for more offline discussion.

C: CID 19900, is the “reported AP” correct?

A: yes, it means if the reported AP were to transmit the Beacon.

C: suggest to add “as a reporting AP” in the end.

C: or, we just use “AP”, and remove “reported”.

C: resolution to 19743, 4th line, should be "subfield is SET to 1".

C: 19411, could you further explain the reason? This CID is deferred.

C: Arik asked to defer 19670.

C: CID 19321, it is not appropriate to say “it is my understanding that …” in the resolution.

C: Rubayet requested to defer CID 19914.

C: Abhi requested to defer CID 19159.

C: Brian requested to defer CID 20038 since it’s still under discussion.

C: Liuming requested to defer 20089 since he is preparing a contribution to resolve it.

C: Jeongki requested to defer 19686.

C: CID 19217, we’ve already have minimum frequency separation for NSTR, why do we need this.

A: It’s for more general operation.

C: Yunbo requested to defer 19217.

C: Hanqing rerquested to defer CID 19599.

Unfinished document.

* Recess at 15:30

# Sept 12, Tuesday, AM2, MAC/PHY (10:30-12:30)

* https://

# Sept 12, Tuesday PM1, Joint (13:30-15:30)

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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy

**Copyright Policy was presented.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Agenda
  + **Submissions:**
    - [1547r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1547-02-00be-lb275-cr-for-misc-cids.docx) CR for misc CIDs Laurent Cariou [80C]
    - [1583r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1583-00-00be-lb275-cr-for-cids-in-9-2-4-7-11.docx) CR for CIDs in 9.2.4.7.11 Bo Gong [3C]
    - [1564r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1564-00-00be-lb275-cr-on-9-4-1-68-and-9-4-1-73.docx) CR on 9.4.1.68 and 9.4.1.73 Jinyoung Chun [2C]
    - [1437r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1437-00-00be-lb275-cr-for-cids-19163-and-19543.docx) CR for CIDs 19163 and 19543 Eunsung Park [2C]
    - [1574r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1574-00-00be-lb275-cr-for-cid-19443.docx) CR for CID 19443 Mengshi Hu [1C]
    - [1550r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1550-00-00be-lb275-cr-for-cid-20083.docx) CR for CID 20083 Jeongki Kim [1C]
    - [1531r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1531-00-00be-lb275-cr-for-35-3-16-2.docx) cr-for-35.3.16.2 Yunbo Li [9C]
    - [1540r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1540-00-00be-lb275-cr-for-scs-tclas-counter-proposal.docx) CR for SCS TCLAS Counter Proposal Binita Gupta [4C]
    - [1467r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1467-00-00be-lb275-cr-for-ml-reconfiguration-part-3.docx) CR for ML Reconfiguration part 3 Binita Gupta [15C]
  + **Motions (including approving minutes):** [**11-23/442r23**](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-22-00be-tgbe-motions-list-part-4.pptx)
  + Discussions:
    - None
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [1547r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1547-02-00be-lb275-cr-for-misc-cids.docx) CR for misc CIDs Laurent Cariou

C: Yue requested to defer CID 19796.

C: CID 19741, the note 5 seems not correct. Need to correct it.

C: 19799, need to add another bullet to use the ML reconfiguration procedure.

C: for the recommended links, should it use the same links in the recommended link set or subset?

A: following the link recommendation procedure, should be the same link set.

C: 19466 19463 19438 deferred per the request from Yue Zhao.

C: 19917, the comment is not correct. Need to delete “Agree with the comment” in the resolution column. Add “clarify the intension of the sentence”.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1547r4 and incorporate the text changes into the latest TGbe draft?

         20119 19663 19900 19743 19604 19365 19377 19378 19670 19321 19912 19913 19472 19650 19660 19239 19916 19917 19240 19918 19919 19923 19328 19941 19684 19599 19943 19252 20039 19105 19253 19323 20040 19262 19078 19325 19951 20049 19263 20093 20094 20058 19274 19278 19279 19280 19281 19282 19795 19300 19301 19797 19799

Discussion: None.

Result: No objection.

* + [1583r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1583-00-00be-lb275-cr-for-cids-in-9-2-4-7-11.docx) CR for CIDs in 9.2.4.7.11 Bo Gong

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1583r0 and incorporate the text changes into the latest TGbe draft?

         19358, 19380, 19381

Discussion: None.

Result: No objection.

* + [1564r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1564-00-00be-lb275-cr-on-9-4-1-68-and-9-4-1-73.docx) CR on 9.4.1.68 and 9.4.1.73 Jinyoung Chun

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1564r0 and incorporate the text changes into the latest TGbe draft?

         19362, 19363

Discussion: None.

Result: No objection.

* + [1437r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1437-00-00be-lb275-cr-for-cids-19163-and-19543.docx) CR for CIDs 19163 and 19543 Eunsung Park

C: 19163, the added sentence is duplicated in clause 36.

C: Change the description in PHY to a note.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1437r1 and incorporate the text changes into the latest TGbe draft?

         19163 and 19543

Discussion: None.

Result: No objection.

* + [1574r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1574-00-00be-lb275-cr-for-cid-19443.docx) CR for CID 19443 Mengshi Hu

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1574r0 and incorporate the text changes into the latest TGbe draft?

         19443

Discussion: None.

Result: No objection.

* + [1550r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1550-00-00be-lb275-cr-for-cid-20083.docx) CR for CID 20083 Jeongki Kim

C: With intra-PPDU PS, there can be much pwer saving effect.

SP deferred.

* + [1531r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1531-00-00be-lb275-cr-for-35-3-16-2.docx) cr-for-35.3.16.2 Yunbo Li

C: Alfred will send some offline feedback to Yunbo via email.

C: Qi requsted for more time to review before running the SP

SP deferred.

* + **Motions (including approving minutes):** [**11-23/442r22**](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-22-00be-tgbe-motions-list-part-4.pptx)

**Move to approve TGbe minutes listed below:**

* + July plenary: <https://mentor.ieee.org/802.11/dcn/23/11-23-1233-02-00be-tgbe-july-2023-meeting-minutes.docx>
  + Teleconferences July-Sept: [https://mentor.ieee.org/802.11/dcn/23/11-23-1412-03\*-00be-tgbe-july-september-teleconference-minutes.docx](https://mentor.ieee.org/802.11/dcn/23/11-23-1412-03*-00be-tgbe-july-september-teleconference-minutes.docx)

**Move: Jason Y. Guo Second: Ross J. Yu**

**Discussion: None**

**Result: Approved with unanimous consent**

**Motion 615 (JOINT)**

**Move to approve resolutions to the CIDs:**

* 19066, 19489, 19499, 19130, 19063, 19224, 19062, 19003, 19052, 19054, 19050, 19053, 19229, 19514, 19515 in [11-23/1383r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1383-03-00be-cr-for-some-subclauses-in-4-10-and-11.docx) *[15 CIDs]*
* 19064, 19284, 19640, 19641, 19642, 19643, 19644, 19285, 19286, 19287, 19857 in [11-23/1385r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1385-03-00be-cr-for-35-3-14.docx) *[11 CIDs]*
* 19000, 19469, 19646, 19647, 19467, 19648, 19162 in [11-23/1409r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1409-01-00be-lb275-cr-for-trigger-frame.docx) *[7 CIDs]*
* 19070, 19811, 19812, 19813, 19814, 19815, 19816, 19601, 19602, 19806 in [11-23/1406r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1406-00-00be-lb275-resolution-for-comments-assigned-to-abhi-part-6.docx) *[10 CIDs]*
* 19780, 19275, 19789, 19297, 19793, 19298, 19205 in [11-23/1405r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1405-00-00be-lb275-resolution-for-comments-assigned-to-abhi-part-5.docx) *[7 CIDs]*
* 19102, 19202, 19204, 19760, 19915, 19762, 19763, 19764, 20068, 19242 in [11-23/1404r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1404-01-00be-lb275-resolution-for-comments-assigned-to-abhi-part-4.docx) *[10 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

**Move: Abhishek Patil Second: Po-Kai Huang**

**Discussion: None**

**Result: Approved with unanimous consent**

***Note: These are comment resolution documents that were discussed during the Joint session of August 23rd.***

***Note: 1383r2 and 1385r2, revisions to align with IEEE802.11 template. No tech changes w.r.t. what was straw polled.***

**Motion 616 (MAC)**

**Move to approve resolutions to the CIDs:**

* 19237, 19757, 19758, 19056, 19077, 19243, 19244, 19245, 19246, 19247, 19925, 19926, 19927, 20003, 19497, 19498 in [11-23/1381r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1381-02-00be-cr-for-35-3-2-and-35-3-5.docx) *[16 CIDs]*
* 19231, 19232, 19519, 19058, 19233, 19234, 19388, 19756, 19117, 19196, 19059, 19060, 19061, 19901 in in [11-23/1382r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1382-03-00be-cr-for-13.docx) *[14 CIDs]*
* 19606, 19283, 19122, 19386, 19618 in [11-23/1384r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1384-02-00be-cr-for-miscellaneous-cids.docx) *[5 CIDs]*
* 19075, 19209, 19238, 19395, 19525, 19808, 19910, 19911, 19241, 19526 in [11-23/1403r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1403-00-00be-lb275-resolution-for-comments-assigned-to-abhi-part-3.docx) *[10 CIDs]*
* 19745, 19746, 19747, 19748, 19751, 19026, 20010, 19759 in [11-23/1396r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1396-00-00be-lb275-resolution-for-comments-assigned-to-abhi-part-2.docx) *[8 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

**Move: Abhishek Patil Second: Ming Gan**

**Discussion: None**

**Result: Approved with unanimous consent**

**Motion 617 (MAC)**

**Move to approve resolutions to the CIDs:**

* 19794, 19802 in [11-23/1405r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1405-01-00be-lb275-resolution-for-comments-assigned-to-abhi-part-5.docx) & 19589 in [11-23/1383r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1383-04-00be-cr-for-some-subclauses-in-4-10-and-11.docx) *[3 CIDs]*
* 19894, 19895, 20005, 19896, 19897, 20008, 20079, 19742, 19744, 19807 in [11-23/1395r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1395-03-00be-lb275-resolution-for-comments-assigned-to-abhi-part-1.docx) *[10 CIDs]*
* 19829, 19057, 19767, 19924 in [11-23/1381r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1381-03-00be-cr-for-35-3-2-and-35-3-5.docx) & 19368, 19753 in [11-23/1396r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1396-04-00be-lb275-resolution-for-comments-assigned-to-abhi-part-2.docx) *[6 CIDs]*
* 19512, 19761, 19203, 19268, 19269, 20062, 20063, 20065, 19805, 19332 in [11-23/1407r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1407-01-00be-lb275-resolution-for-comments-assigned-to-abhi-part-7.docx) *[10 CIDs]*
* 19264, 19267, 19324, 19714 in [11-23/1398r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1398-01-00be-lb275-cr-for-subclause-35-3-7-5-editorials.docx) & 19265 in [11-23/1398r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1398-02-00be-lb275-cr-for-subclause-35-3-7-5-editorials.docx) *[5 CIDs]*
* 19166, 19225, 19226, 19235, 19456, 19474 in [11-23/1415r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1415-02-00be-lb275-11be-d4-0-comment-misc-cids.docx) *[6 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

**Move: Matthew Fischer Second: Abhishek Patil**

**Discussion: None**

**Result: Approved with unanimous consent**

**Motion 618 (PHY)**

**Move to approve resolutions to the CIDs:**

* 19036, 19037, 19038, 19039, 19040, 19041, 20117 in [11-23/1378r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1378-00-00be-lb-275-cr-for-annex-z.docx) *[7 CIDs]*
* 19020, 19021, 19022, 19023, 19024, 19025, 19081, 19093, 19172, 19447, 19536, 20118 in [11-23/1377r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1377-01-00be-lb-275-cr-for-eht-sig.docx) *[12 CIDs]*
* 19010, 19092, 19534, 19535 in [11-23/1425r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1425-01-00be-lb275-comment-resolution-on-u-sig.docx) *[4 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

**Move: Binita Gupta Second: Ross J. Yu**

**Discussion: None**

**Result: Approved with unanimous consent**

**Motion 619 (MAC)**

**Move to approve resolutions to the CIDs:**

* 19123, 19486, 19132, 19133, 19134, 19135, 19136, 19505, 19610, 19734, 19137, 19138, 19139, 19140, 19141, 19487, 19506, 19611, 19612, 19613, 19614 in [11-23/1443r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1443-00-00be-lb275-11be-d4-0-cids-on-3-1-3-2-4-9-6-5-1-5-1.docx) *[21 CIDs]*
* 19271, 19655, 20080, 19080, 19210, 19809, 19272, 19273 in [11-23/1480r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1480-04-00be-lb275-cr-for-editorial-cids-in-38-3-10.docx) *[8 CIDs]*
* 20120, 19828, 19398, 19572, 19103, 19116, 19195, 19043, 19907, 19044, 19578 in [11-23/1481r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1481-03-00be-lb275-cr-for-editorial-cids-in-38-3-1-35-3-4-and-35-3-24.docx) *[11 CIDs]*
* 19104, 19249, 19250, 19251, 19396, 19426, 19471, 19651, 19672, 19855, 19856, 19933, 20018 in [11-23/1465r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1465-00-00be-lb275-cr-for-ml-reconfiguration-part-1.docx) *[13 CIDs]*
* 19664, 19673, 19674, 19681, 19934, 20015, 20021, 20023, 20024, 20025 in [11-23/1466r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1466-01-00be-lb275-cr-for-ml-reconfiguration-part-2.docx) *[10 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

**Move: Mike Montemurro Second: Binita Gupta**

**Discussion: None**

**Result: Approved with unanimous consent**

* Recess at 15:30

# Sept 12, Tuesday, PM2, MAC/PHY (16:00-18:00)

* https://

# Sept 13, Wednesday, AM2, Joint (10:30-12:30)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Jason Yuchen Guo (Huawei) is serving as the Secretary.
* Registration information
  + The chair announced that registration is needed to attend this meeting.
* Meeting protocol
  + The chair announced that everyone is required to log in WebEx to vote.
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
* Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
* Please record your attendance during the conference call by using the IMAT system:
  + 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to:
  + Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
* IEEE 802 and 802.11 IPR policy and procedure
  + Patent Policy: Ways to inform IEEE:
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair. **Nobody speaks/writes up**.

* + Copyright Policy: Participants are advised that
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy

**Copyright Policy was presented.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Agenda
  + **Submissions:**
    - [1410r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1410-02-00be-lb275-cr-for-tpe.docx) CR for TPE Yanjun Sun [1C-SP]
    - [1411r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1411-01-00be-lb275-cr-for-puncturing.docx) CR for puncturing Yanjun Sun [1C-SP]
    - [1399r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1399-02-00be-lb275-cr-for-subclause-35-3-7-5-2-part-1.docx) CR-for-Subclause-35.3.7.5.2 - Part 1 Arik Klein [15C-SP]
    - [1614r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1614-00-00be-lb-275-cr-for-cids-on-ndpa-frame-format.docx) CR for CIDs on NDPA frame format Mahmoud Kamel [4C]
    - [1555r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1555-00-00be-lb275-cr-for-cids-in-35-3-10.docx) CR for CIDs in 35.3.10 Ming Gan [8C]
    - [1554r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1554-00-00be-lb275-cr-for-cids-in-in-35-3-4-4-and-35-3-15-1.docx) CR for CIDs in 35.3.4.4 and 35.3.15.1 Ming Gan [8C]
    - [1556r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1556-00-00be-lb275-cr-for-cids-in-af-11-2-3-and-35-3-12-6.docx) CR for CIDs in AF, 11.2.3 and 35.3.12.6 Ming Gan [6C]
    - [1540r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1540-00-00be-lb275-cr-for-scs-tclas-counter-proposal.docx) CR for SCS TCLAS Counter Proposal Binita Gupta [4C]
    - [1590r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1590-00-00be-lb275-crs-for-35-8-misc-cids.docx) LB275 CRs for 35.8 misc CIDs Chunyu Hu [12C]
    - [1588r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1588-00-00be-resolution-of-additional-epcs-related-cids-lb275.docx) Resolution of Additional EPCS-related CIDs (LB275) John Wullert [3C]
  + Discussions:
    - Yunbo requested to add a SP for 1531r3
    - Po-Kai requested to add a SP for 1381r4
    - Rubayet requested to add a SP for 1553r2
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [1410r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1410-02-00be-lb275-cr-for-tpe.docx) CR for TPE Yanjun Sun

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1410r2 and incorporate the text changes into the latest TGbe draft?

         19382

Discussion: None.

Result: No objection.

* + [1411r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1411-01-00be-lb275-cr-for-puncturing.docx) CR for puncturing Yanjun Sun

C: OK to use “shall” for the EHT Operation element, but have concern to use “shall” for the Channel Switch Wrapper element.

C: The EHT Operation element is not present in CSA frame.

C: But the text is talking about Beacon frame.

C: for the 2nd bullet, does it also indicate the puncturing pattern in the current BSS?

A: Yes, it’s under the same context.

**SP**: Which option do you prefer for the resolution of CID 19624

1. Opt1: Use of “should” wording
2. Opt2: Use of “may” wording
3. Opt3: Abstain

Result:

Opt 1: 27

Opt 2: 38

Opt 3: 41

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1411r2 and incorporate the text changes into the latest TGbe draft?

         19624

Note: The normative behavior contains may for the BW Indication element.

Discussion: None.

Result: No objection.

* + [1399r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1399-02-00be-lb275-cr-for-subclause-35-3-7-5-2-part-1.docx) CR-for-Subclause-35.3.7.5.2 - Part 1 Arik Klein

C: We’ve already had text for link disablement using the link removal imminent. Why do we need to define a new bit for that?

A: using a separate bit is more clear

C: the industry has already accepted the original spec.

C: echo Arik, using a separate bit is better.

C: we’ve already have a way to solve this issue, it’s too late to have a new solution.

C: the receiver already knows the information whether the link will be removed or disabled.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1399r3 and incorporate the text changes into the latest TGbe draft?

         19414, 19435, 19709, 19711, 19712, 19716, 19952, 20076, 20051, ~~19710~~, 20050

Discussion: None.

Result: No objection.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1399r3 and incorporate the text changes into the latest TGbe draft?

         19713

Discussion: None.

Results:

Yes: 39

No: 31

Abstain: 27

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1399r3 and incorporate the text changes into the latest TGbe draft?

         19710

Discussion: None.

Results:

Yes: 33

No: 33

Abstain: 34

* + 1531r3 LB275-cr-for-35.3.16.2 Yunbo Li

C: editorial comments: number of bits in the frame format should be fixed

C: editorial comments: delete the extra “the”

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1531r4 and incorporate the text changes into the latest TGbe draft?

         19879 19115 19194 19327 19439 19871 19874 19167 19289

Discussion: None.

Result: No objection.

* + 1381r4 CR for 35.3.2 and 35.3.5 Po-Kai Huang

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1381r4 and incorporate the text changes into the latest TGbe draft?

         19338

Discussion: None.

Result: No objection.

* + 1553r2 LB275 CR on TWT and P2P Rubayet Shafin

C: is be --> is

C: still don’t understand why we need to combine TDLS with TWT.

A: the peer STA needs to know the STA’s schedule with the AP.

The conflicting CIDs are deferred.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1553r2 and incorporate the text changes into the latest TGbe draft?

         19114, 19193, 20108, 20109, 20110

Discussion: the Beacon needs to carry the TWT for other APs, it will cuase Beacon bloating issue..

SP deferred.

* + [1614r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1614-00-00be-lb-275-cr-for-cids-on-ndpa-frame-format.docx) CR for CIDs on NDPA frame format Mahmoud Kamel

C: it’s about HE NDPA frame, which is out of the scope of TGbe.

C: But the figure is in the TGbe draft.

C: it’s in the EHT draft since we need to refer to it.

C: why do we delete “VHT/HE” before the NDPA.

A: it’s been decided for a while.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1614r1 and incorporate the text changes into the latest TGbe draft?

         19649, ~~19545~~, 19361

Discussion: None.

Result: No objection.

* Recess at 12:18

# Sept 13, Wednesday, PM2, MAC (16:00-18:00)

* https://

# Sept 14, Thursday, AM1, Joint (08:00-10:00)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Jason Yuchen Guo (Huawei) is serving as the Secretary.
* Registration information
  + The chair announced that registration is needed to attend this meeting.
* Meeting protocol
  + The chair announced that everyone is required to log in WebEx to vote.
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Attendance reminder.
* Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
* Please record your attendance during the conference call by using the IMAT system:
  + 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802 Wireless Interim/Plenary Session” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to:
  + Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
* IEEE 802 and 802.11 IPR policy and procedure
  + Patent Policy: Ways to inform IEEE:
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair. **Nobody speaks/writes up**.

* + Copyright Policy: Participants are advised that
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy

**Copyright Policy was presented.**

* + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Agenda
  + **Submissions:**
    - [1478r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1478-02-00be-channel-usage.docx) Channel Usage Brian Hart [1C SP]
    - [1468r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1468-01-00be-lb275-cr-for-ttlm-mode-2.docx) CR for TTLM Mode 2 Binita Gupta [4C-SP]
    - 1467r2 LB275 CR for ML Reconfiguration part 3 Binita Gupta [6C-SP]
    - 1604r0 LB275-Resolution for comments assigned to Abhi - Part 9 Abhishek Patil [5C]
    - 1573r0 LB275 CR-for-35-3-19 Kaiying Lu [14C]
  + Discussions:
    - Revision changes
    - Jeongki requested to add 1617r0 for SP
    - Rubayet requested to add 1553r3 for SP
    - Morteza requested to add 1603r0
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [1478r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1478-02-00be-channel-usage.docx) Channel Usage Brian Hart

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1478r3 and incorporate the text changes into the latest TGbe draft?

         19478

Discussion: Count is requested.

Result: 35Y, 21N, 26A.

* + [1468r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1468-01-00be-lb275-cr-for-ttlm-mode-2.docx) CR for TTLM Mode 2 Binita Gupta

C: Removing the Multi-Link traffic indication will make the scheme broken.

C: The default TID-to-Link mapping can give you what you want. You can do it by changing the (MU)EDCA parameter set, e.g., set the AIFSN of non-LL traffic to be larger than the CW of LL traffic.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1468r1 and incorporate the text changes into the latest TGbe draft?

         19369, 20038, 19597, 19598

Discussion: None.

Result: 49Y, 45N, 15A

* + 1467r2 LB275 CR for ML Reconfiguration part 3 Binita Gupta

C: the “offline discussion” does not provide adequate information, you can remove it.

C: CID 20019, why do you add the if condition there?

Some modifications are made on the fly which addresses the comment.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1467r4 and incorporate the text changes into the latest TGbe draft?



Discussion: None.

Result: No objection.

* + 1617r0 LB275 CR for CID 19686 Jeongki Kim

C: in laurent’s doc., he removed QoS Null in the 2nd bullet, is this aligned with that document?

A: the only change is replacing “MPDUs” with “QoS Data frames”

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1617r0 and incorporate the text changes into the latest TGbe draft?

         19686

Discussion: None.

Result: No objection.

* + 1553r3 LB275 CR on TWT and P2P Rubayet Shafin

C: why do the TDLS STAs need to wait for the RTWT to do the data transmission.

A: for TDLS, the STAs also need to use power save.

C: We don’t even have TDLS for peer to peer.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1553r3 and incorporate the text changes into the latest TGbe draft?

         19114, 19193, 20108, 20109, 20110

Discussion: None.

Result: No objection.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1553r3 and incorporate the text changes into the latest TGbe draft?

         19027, 20114, 19982, 19983, 19984, 19976, 19977

Discussion: None.

Result: 29Y, 19N, 22A

* + 1604r0 LB275-Resolution for comments assigned to Abhi - Part 9 Abhishek Patil

C: If an AP is removed, can the link ID be reassigned to other APs?

A: yes, with this change, it can.

C: Is the non-AP part of the link?

A: No, one AP, one link, all the STAs use the same link ID for that AP

C: Need to be consistent through the TGbe draft.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1604r1 and incorporate the text changes into the latest TGbe draft?

         19187 19626 20064

Discussion: None.

Result: No objection.

* + 1573r0 LB275 CR-for-35-3-19 Kaiying Lu

C: CID 19349, are they the same BSS?

C: change the “for the BSS” to “of the AP MLD”

C: in the note 2, it sais how to designate the primary link is implementation specific, but the next paragraphs says that it’s not implementation specific.

C: CID 20091, you meant to say, neither affiliated with a NSTR mobile AP MLD, nor operating on a nonprimary link.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/1573r3 and incorporate the text changes into the latest TGbe draft?

         19349, 20096, 20097, 19791, 19790, 19211, 19296, 19528, 19810, 20098, 20091, 19617

Discussion: None.

Result: No objection.

* Recess at 10:00

# Sept 14, Thursday, PM1, Joint (13:30-15:30)