IEEE P802.11  
Wireless LANs

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| TGbe May 2023 Meeting Minutes | | | | |
| Date: 2023-05-15 | | | | |
| Author(s): | | | | |
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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.
* Rev1: add the minutes for the joint session in Tuesday PM1 and Thursday AM1
* Rev2: add the minutes for the joint session in Thursday PM1
* Rev3: add the voting results for motion 564 and the PAR extension motion. Add the links for the MAC/PHY ad hoc sessions.

Abbreviations:

* C: Comment.
* A: Answer.

# May 15, 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
* Agenda
  + **Summary from March 2023 meeting, and conf calls**
  + **TGbe Editor’s Report:** [**273r1**](https://mentor.ieee.org/802.11/dcn/23/11-23-0273-01-00be-tgbe-editor-s-report-on-lb271.ppt)
  + **PAR Extension Request:** [**23/654**](https://mentor.ieee.org/802.11/dcn/23/11-23-0654-00-00be-p802-11be-par-extension.pdf)
  + **Submissions:**
    - [306r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0306-00-00be-cr-for-35-5-2-part-1.docx) CR for 35.5.2-part 1 Yanjun Sun [25C-19GT]
    - [518r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0518-00-00be-lb271-cr-for-9-3-1-22-4.docx) LB271 CR for 9 3 1 22 4 Yanjun Sun [5C-4GT]
    - [519r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0519-00-00be-lb271-cr-for-9-3-1-22-5.docx) LB271 CR for 9 3 1 22 5 Yanjun Sun [15C]
    - [669r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0669-00-00be-lb2271-cr-for-section-9-3-1-19-part1.doc) CR for Section 9.3.1.19–part1 Genadiy Tsodik [4C ]
    - [492r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0492-00-00be-lb271-cr-for-section-9-3-1-19-part2.doc) CR for Section 9.3.1.19–part2 Genadiy Tsodik [3C ]
    - [701r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0701-00-00be-lb-271-cids-on-coexistence-assurance-document.docx) CIDs on Coexistence Assurance document Sigurd Schelstraete [1C ]
    - [630r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-00-00be-lb-271-cr-for-35-7-2-part-ii.docx) CR for 35.7.2 Part II Zinan Lin [17C]
    - [716r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0716-00-00be-lb271-cr-for-clause-6-3.docx) CR for clause 6.3 Yan Li [5C]
  + Discussion
    - Hanqing asked to defer Zinan’s contribution 630.
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [306r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0306-00-00be-cr-for-35-5-2-part-1.docx) CR for 35.5.2-part 1 Yanjun Sun

C: CID 15252, in the case the PPDU may include both Trigger and TRS control, the fields need to be consistent.

A: It is consistent.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0306r2 and incorporate the text changes into the latest TGbe draft?

         15247, 15420, 15573, 15575, 17006, 17007, 17008, 17009, 17011, 17012,17013, 17015, 17018, 17019, 17022, 17023, 17024, 15252, 17014, 15572, 15574, 15765, 16132

Discussion: None.

Result: No objection.

* + [518r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0518-00-00be-lb271-cr-for-9-3-1-22-4.docx) LB271 CR for 9 3 1 22 4 Yanjun Sun

C: in 11ax, for the padding, only AID12 field is set to 1, need to check.

After checking with Ross offline, Liwen is fine with that.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0518r0 and incorporate the text changes into the latest TGbe draft?

        17446, 17447, 17448, 17449, 17450

Discussion: None.

Result: No objection.

* + [519r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0519-00-00be-lb271-cr-for-9-3-1-22-5.docx) LB271 CR for 9 3 1 22 5 Yanjun Sun

C: If the max value of the starting spatial stream is 7, then why do we need 4 bits, 3 bits is enough.

C: no need to explicitly call out the max value of the number of spatial streams is 3, because there’s only 2 bits.

C: starting SS can also be set to 0 even it's MUMIMO.

A: the sentence is not saying it couldn’t be set to 0, hence the sentence is correct.

C: only one row in the table is used, correct?

A: correct.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0519r1 and incorporate the text changes into the latest TGbe draft?

        15503, 15029, 17460, 15210, 15656, 15712, 17451, 17452, 17453, 17454, 17455, 17456, 17457, 17458, 17459, 17461

Discussion: None.

Result: No objection.

* + [669r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0669-00-00be-lb2271-cr-for-section-9-3-1-19-part1.doc) CR for Section 9.3.1.19–part1 Genadiy Tsodik

C: use variant dependent in the frame format of STA-Info list field.

C: this section does not cover HT NDP Announcement frame, need to check whether it’s OK not including HT NDPA frame here.

C: for HT, it’s a field, but here, it is a frame.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0669r1 and incorporate the text changes into the latest TGbe draft?

         15249, 15250, 16124, 16127

Discussion: None.

Result: No objection.

* + [492r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0492-00-00be-lb271-cr-for-section-9-3-1-19-part2.doc) CR for Section 9.3.1.19–part2 Genadiy Tsodik

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0492r0 and incorporate the text changes into the latest TGbe draft?

         15248, 15499, 16126

Discussion: None.

Result: No objection.

* + [701r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0701-00-00be-lb-271-cids-on-coexistence-assurance-document.docx) CIDs on Coexistence Assurance document Sigurd Schelstraete

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0701r0 and update the reference from IEEE802.11be D2.0 to IEEE802.11be D3.0?

         18060

Discussion: None.

Result: No objection.

* + [716r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0716-00-00be-lb271-cr-for-clause-6-3.docx) CR for clause 6.3 Yan Li

C: In the MIB variable name, there’s an error, about the ML traffic Indication, it should be dot11MultiLinkTrafficIndicationActivated.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0716r1 and incorporate the text changes into the latest TGbe draft?

         15055,15945,16321,16322,16323

Discussion: None.

Result: No objection.

* + Agenda discussion

The Chair asked if there’s anyone who is ready for a contribution.

Yunbo asked to add doc. 689.

The Chair asked if there’s any objection to amend the agenda by adding doc. 689.

No objection.

* + 689r0 LB271 CR for 9.4.2.313.4 supported EHT-MCS And NSS Set field Yunbo Li

C: change “n1-n2” to “n1 to n2” or “n1 - n2”

C: what does "EHT-MCS set being applied" mean?

C: indicate the range of EHT-MCSes to which the...

SP deferred to the next session.

* Recess at 12:30

# May 15, Monday, PM1, MAC/PHY (13:30-15:30)

For PHY ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0883-00-00be-minutes-802-11-be-phy-ad-hoc-may-2023-interim-meeting.docx

For MAC ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0868-04-00be-minutes-of-tgbe-2023-sept-interim-mac.docx

# May 16, Tuesday, AM1, MAC (08:00-10:00)

* https://mentor.ieee.org/802.11/dcn/23/11-23-0868-04-00be-minutes-of-tgbe-2023-sept-interim-mac.docx

# May 16, Tuesday, AM2, MAC/PHY (10:30-12:30)

For PHY ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0883-00-00be-minutes-802-11-be-phy-ad-hoc-may-2023-interim-meeting.docx

For MAC ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0868-04-00be-minutes-of-tgbe-2023-sept-interim-mac.docx

# May 16, Tuesday, PM1, Joint (13:30-15:30)

* 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
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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:**
    - [689r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0689-00-00be-lb271-cr-for-9-4-2-313-4-supported-eht-mcs-and-nss-set-field.docx) CR for 9.4.2.313.4 supported EHT-MCS And NSS Set field Yunbo Li [6C]
    - [630r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-00-00be-lb-271-cr-for-35-7-2-part-ii.docx) CR for 35.7.2 Part II Zinan Lin [17C]
    - [520r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0520-00-00be-lb271-cr-for-9-3-1-22-9.docx) CR for 9.3.1.22.9 Yanjun Sun [18C]
    - [728r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-00-00be-lb271-cr-for-35-15-2.docx) CR for 35.15.2 Yanjun Sun [18C]
  + **Motions (including approving minutes):** [**11-23/442r7**](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-06-00be-tgbe-motions-list-part-4.pptx)
  + Discussion
    - To be added
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [689r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0689-00-00be-lb271-cr-for-9-4-2-313-4-supported-eht-mcs-and-nss-set-field.docx) CR for 9.4.2.313.4 supported EHT-MCS And NSS Set field Yunbo Li

C: we have a lot of Max Nss …, did you correct that?

A: Yes.

C: we need a note to the editor for n1 – n2.

A: the Editor should already know that.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0689r2 and incorporate the text changes into the latest TGbe draft?

         15170, 15214, 15373, 17716, 17717, 17718

Discussion: None.

Result: No objection.

* + [630r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-00-00be-lb-271-cr-for-35-7-2-part-ii.docx) CR for 35.7.2 Part II Zinan Lin

C: when we do puncture, it is based on 20MHz channel, it’s not based on an RU.

C: CID 17048, the added text is duplication of Clause 9, suggest changing it to NOTE.

C: there’s duplication: Clause 9: "For bandwidth less than or equal to 80 MHz, it indicates the maximum value of the TXVECTOR parameter NUM\_STS supported by the beamformer for an EHT sounding NDP."

C: CID 15576, the resolution should be revised.

C: CID 15577, you delete this sentence, can you show the spec text to cover that sentence?

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0630r1 and incorporate the text changes into the latest TGbe draft?

         17273, 17046, 17047, 18011, 17981, 17982, 17049, 15576, 17050, 17052, 15577, 17054, 17983, 17984, 17053, 17055

Discussion: None.

Result: No objection.

* Agenda discussion

The chair asked if there’s any objection to amending the agenda by moving the motions up.

No objection.

* Motions： **11-23/442r8**

**Approve TG Minutes**

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

* + March plenary: <https://mentor.ieee.org/802.11/dcn/23/11-23-0413-00-00be-tgbe-march-2023-meeting-minutes.docx>
  + Teleconferences Mar-May: <https://mentor.ieee.org/802.11/dcn/23/11-23-0640-02-00be-mar-may-tgbe-teleconference-minutes.docx>

**Move: Allan Jones Second: Jason Y. Guo**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 543 (MAC)**

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

* 16843, 15551, 15552, 16047, 15379, 15410, 16841, 16842, 16543, 16544, 16545, 15546, 16832, 17330 in [11-23/541r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0541-04-00be-cr-for-35-3-14.docx) *[14 CIDs]*
* 15288, 15289, 16715, 17951, 15003, 16751, 16752, 15543, 16527, 16821, 18164, 16831, 17295, 15279 in [11-23/547r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0547-03-00be-cr-for-3-2-and-some-clauses-in-35.docx) *[14 CIDs]*
* 17326, 17327, 16687, 16686, 18244, 16253, 15141 in [11-23/552r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0552-03-00be-cr-for-some-clauses-in-10-and-11.docx) *[7 CIDs]*
* 17331, 15052, 16486, 17334, 18129, 16487, 15522, 17942, 15132, 16003, 17943, 15135, 17335, 16696, 18131, 15637, 17824, 15597, 16488, 16489 in [11-23/588r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0588-02-00be-lb271-cr-for-cids-in-35-3-7-1-1.docx) *[20 CIDs]*
* 15820, 18137, 18138, 16496, 16497, 17826, 17339, 18140, 15455, 16007, 16498, 15598, 15678, 16499, 17360, 16008, 16500 in [11-23/590r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-02-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) & 18139 in [11-23/590r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-03-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) *[18 CIDs]*

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

**Move: Ming Gan Second: Liwen Chu**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 544 (Joint)**

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

* 17161 in [11-23/603r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0603-01-00be-lb-271-cr-for-cid-17161.docx) & 17075, 17076, 17077, 17252, 17253 in [11-23/566r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0566-02-00be-lb-271-cr-for-35-7-4-and-35-7-5.docx) & 17043, 17044, 17045 in [11-23/639r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0639-02-00be-lb271-crs-for-35-7-2-part-1a.docx) *[9 CIDs]*
* 15215, 15216, 15217, 15265, 15266, 15267, 15270, 15271, 15273, 15274, 17111, 17112, 17113, 17114, 17115, 17116 in [11-23/635r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0635-04-00be-lb271-cr-for-nominal-packet-padding-values.docx)  *[16 CIDs]*

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

**Move: Ming Gan Second: Allan Jones**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 545 (MAC)**

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

* 16374, 16184, 17822, 16088, 15172, 16185, 16375, 16787, 16376, 15856 in [11-23/513r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0513-01-00be-lb271-cr-for-subclause-35-3-4-4.docx) *[10 CIDs]*
* 15601, 16017, ~~16018~~, 16019, 18152, 18153 in [11-23/593r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0593-02-00be-lb271-cr-for-clause-35-3-7-3-2-part-1.docx) *[5 CIDs]*
* 15004, 16028, 16029, 16194, 17290, 16195, 16030, 16032, 16033, 16515, 16516, 16517, 16518, 17895, 16519, 17896, 16808, 17289, 17836, 17291, 17832, 16814, 17897, 16034, 18262 in [11-23/562r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0562-02-00be-lb271-cr-for-subclause-35-3-10.docx) *[25 CIDs]*
* 18336, 16914, 18054, 18053, 18055, 18056 in [11-23/579r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0579-03-00be-lb271-cr-for-subclause-35-3-16-8-3.docx) *[6 CIDs]*

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

**Move: John Wullert Second: Peshal Nayak**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: 16018 is removed per the request by Arik

**Motion 546 (PHY)**

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

* 16637, 16640 in [11-23/0507r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0507-00-00be-lb271-comment-resolution-on-u-sig-part-4.docx) *[2 CIDs]*
* 15280, 15716, 17227, 16266, 16955, 17228 [11-23/0613r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0613-03-00be-lb271-cr-for-subclause-36-3-20-transmit-specification.docx) *[6 CIDs]*
* 15745, 15746, 15747, 15748, 17629 [11-23/0614r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0614-00-00be-lb271-cr-for-subclause-36-3-21-receiver-specification.docx) *[5 CIDs]*
* 15035, 17230, 17625, 17632 in [11-23/0615r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0615-02-00be-lb271-cr-for-subclause-36-3-23-eht-receive-procedure.docx) *[4 CIDs]*

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

**Move: Mengshi Hu Second: Ross J. Yu**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 547 (MAC)**

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

* 16903, 18315, 17854, 16414, 16897, 16896, 16898, 16901, 16902, 16319, 16396, 18263, 16904, 15093, 15557, 16905, 15558, 16906, 16907, 15616 in [11-23/0605r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0605-02-00be-cr-for-medium-sync-related-cids.docx) *[20 CIDs]*
* 16727, 16732, 17961, 18318, 15963, 17806, 18304, 17797, 15937, 15938, 15939, 15048, 17809, 16653, 16722, 16724, 17811, 15810, 15006, 16728, 18247 in [11-23/0604r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0604-03-00be-cr-for-tx-related-cids.docx) *[21 CIDs]*
* 15416, 15874, 16048, 16050, 16051, ~~16052~~, 16053, 16450, 16867, 16868, 16869, 16872, 16874, 16875, 17873, 17874, 17324 in [11-23/0560r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0560-02-00be-lb271-cr-for-35-3-16-2-2.docx) *[17 CIDs]*
* 17484, 17671, 17760, 15976, 15398, 15980, 16967, 15447, 15448 in [11-23/0300r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0300-01-00be-lb271-cids-assigned-to-abhi-part-2.docx) *[9 CIDs]*

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

**Move: Abhishek Patil Second: Yanjun Sun**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: CID 16052 was in the SP list but there was no proposed resolution in the doc. Removed

**Motion 548 (MAC)**

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

* 15346, 17974, 16747 in [11-23/547r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0547-04-00be-cr-for-3-2-and-some-clauses-in-35.docx) [3 CIDs]
* 18189, 16081, 16755, 16236, 16237, 16756, 16758, 18270 in [11-23/643r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0643-05-00be-lb271-cids-assigned-to-abhi-part-4.docx) *[8 CIDs]*
* 17524, 17525, 17526, and 17527 in [11-23/709r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0709-01-00be-proposed-resolutions-to-11be-lb271-cids-on-emlsr-parameter-update.docx) *[5 CIDs]*
* 15498, 15961, 16231, 17783, 17784 in [11-23/703r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0703-01-00be-lb271-cr-for-subclauses-9-2-5-2-and-9-6-35-8.docx)\* *[5 CIDs]*

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

**Move: Rubayet Shafin Second: Jason Y. Guo**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 549 (MAC)**

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

* 15082, 15081, 16928, 16689, 17250, 17251, 15058, 15417 in [11-23/572r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0572-02-00be-lb271-cr-cl35-emlsr-part3.docx) & 15392, 17282, 15479 in [11-23/678r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0678-03-00be-cr-for-miscellaneous-cids.docx) *[11 CIDs]*
* 17310, 16202, 17311, 17126, 17127, 15582, 17313, 17128, 16204 in [11-23/304r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0304-03-00be-lb271-cr-for-35-15-1-part-1.docx) *[9 CIDs]*
* 16136, 17790, 17791, 18005 in [11-23/559r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0559-03-00be-lb271-cr-for-a-mpdu-in-9-7.docx) & 15965 in [11-23/600r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0600-00-00be-lb271-cr-for-35-2-3.docx) *[5 CIDs]*
* 15059, 16174, 16281, 16294, 16463, 18313, 15477, 15568, 15569, 16979, 16980, 16982, 16983, 16984, 16985, 16987 in [11-23/696r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0696-02-00be-lb271-cr-for-tdls.docx) *[16 CIDs]*

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

**Move: Laurent Cariou Second: Minyoung Park**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 550 (MAC)**

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

* 15030, 15036, 15037, 17264, 17265, 17605, 15806, 15909, 17298, 17599, 17907, 17163, 17263, 17297, 17598, 17302, 17604, 17597, 17600, 17602, 17603, 17606, 17607, 17608, 17609 in [11-23/692r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0692-01-00be-lb271-cr-on-eht-operation-element.docx) *[25 CIDs]*
* 17963, 16829, 15872, 16537, 16538, 16539, 16540, 16436, 16046, 16830, 16541, 16542, 15102, 16437, 17294 in [11-23/658r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0658-03-00be-lb271-cr-for-listen-interval.docx) *[15 CIDs]*
* 16612, 16613, 16614, 16381, 16550, 15642, 16551, 16552, 16852, 16853, 16854, 16855, 15687, 15684 in [11-23/690r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0690-02-00be-lb271-cr-for-subclause-35-3-15-part-2.docx) *[14 CIDs]*
* 15064, 15414, 15415, 15555, 15556, 15643, 16276, 16858, 16860, 16861, 16862, 16863, 16864, 17872, 18302 in [11-23/723r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0723-01-00be-lb271-cr-for-35-3-16-2-multi-link-device-capability-and-operation-signaling.docx) *[15 CIDs]*
* 15050, 15984, 16092, 16093, 17488 in [11-23/688r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0688-01-00be-lb271-cr-for-35-3-5-4.docx) & 15852, 15853, 16083, 16084, 16775, 17916, 18242 in [11-23/714r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0714-04-00be-lb271-cr-for-35-3-3-6-2.docx) *[12 CIDs]*
* 15065, 16096 in [11-23/713r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0713-02-00be-lb271-cr-for-35-3-16-3.docx) & 15504, 17353 in [11-23/752r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0752-02-00be-lb271-cr-10-12.docx) & 17001, 17002, 17003, 16344 in [11-23/753r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0753-02-00be-lb271-cr-35-4-1.docx) *[8 CIDs]*

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

**Move: Laurent Cariou Second: Liwen Chu**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 551 (MAC)**

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

* 16369, 16739, 17164, 17245, 18188, 17861, 18112, 16370, 15675, 15224, 15225, 15724, 15725, 17862, 16743, 15178, 16371, 15811, 15850, 16372, 16744, 17246, 17247, 16746, 17818, 17979 in [11-23/627r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0627-03-00be-lb271-cr-for-subclause-35-3-1.docx) *[26 CIDs]*
* 17843, 16193, 15019, 15640, 16844, 17364, 18253, 15488, 16846, 16847, 16848, 16849, 15873, 17366, 16547, 16380, 16609, 16610, 16548, 16611, 15689, 16851, 16549 in [11-23/638r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0638-02-00be-lb271-cr-for-subclause-35-3-15-part-1.docx) *[23 CIDs]*

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

**Move: Ming Gan Second: Laurent Cariou**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 552 (MAC)**

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

* 17517 17518 17519 17520 17521 17522 17523 in [11-23/760r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0760-01-00be-lb271-cr-9-4-1-74.docx) *[7 CIDs]*
* 15226, 15644, 15813, 16316, 16318, 16336, 16893 in [11-23/694r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0694-00-00be-lb271-cr-for-35-3-16-7-error-recovery-on-a-nstr-link-pair-within-pifs.docx) *[7 CIDs]*
* 15380 17770 17771 17772 15381 17773 in [11-23/695r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0695-01-00be-lb271-cr-on-wnm-sleep-mode-response.docx) & 16018, 16020, 16510, 18154 in [11-23/593r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0593-05-00be-lb271-cr-for-clause-35-3-7-3-2-part-1.docx) *[10 CIDs]*
* 16957, 18169, 16956, 16958, 15227, 15228, 15727, 15728, 15887, 16107, 17359, 15565,15566, 18171, 18243, 15920, 16427, 16959, 16960, 16961, 16962, 18170, 17918, 18061 in [11-23/395r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0395-03-00be-cr-for-35-3-19.docx) *[24 CIDs]*

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

**Move: Arik Klein Second: James Yee**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 553 (MAC)**

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

* 17120 17368 17121 17122 17123 16250 17124 17369 17125 in [11-23/746r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0746-01-00be-lb271-cr-35-14-part-2.docx) *[9 CIDs]*
* 15126, 15127, 16280, 16301, ~~16314~~, 16315, 16876, 16877, 16878, 16880, 17875, 18207 in [11-23/706r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0706-00-00be-lb271-cr-for-35-3-16-4-nstr-operation.docx) *[11 CIDs]*
* 15167 15387 15962 17785 17786 17787 17788 17789 in [11-23/704r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0704-01-00be-lb271-cr-for-9-6-35-10-and-9-6-35-11.docx) *[8 CIDs]*
* 15641, 15905, 17578, 15238, 15737, 15652, 15653, 16169, 16405, 16148, 17170, 15835 in [11-23/754r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0754-01-00be-lb271-cr-for-r-twt-part-2.docx) *[12 CIDs]*

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

**Move: Ming Gan Second: Laurent Cariou**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: 16314 was removed according to the request by Juseong Moon

**Motion 554 (MAC)**

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

* 17303, 17378, 17377, 17304, 17528, 17905, 18082, 17537, 17536, 18083, 17535, 18084, 17542, 17539, 17543, 17544, 17540, 15131, 17561, 17562, 17564, 18085, 17563, 17565, 17566, 18086, 17568, 17878, 17569, 17570, 17571, 17572, 15907, 17879, 17880, 17573, 15946, 17590, 17591, 18096, 18098, 17348, 17349, 17748, 18101, 18102, 17749, 18103, 18104, 17750, 18109 in [11-23/792r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0792-02-00be-lb271-cr-for-misc-cids-in-clause-9.docx) *[51 CIDs]*
* 15011, 15012, 15024, 15378, 15807, 15808, 15809, 16079, 16134, 17646, 18014, 18041, 18042, 18043, 18045, 18046, 18047, 18048, 18049 in [11-23/722r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0722-03-00be-lb271-9-4-2-316-qos-char-element-part-1.docx) *[19 CIDs]*
* 15495, 15496, 16257, 16364, 16388, 18073, 18074, 18075, 18076, 18077, 16246, 16320in [11-23/721r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0721-02-00be-lb271-5-1-5-1-and-5-1-5-11-mac-data-service.docx) *[12 CIDs]*
* 16520, 17833, 16521, 16815, 18296, 17834, 16522, 18297, 16523, 18298, 16816, 17881, 18251, 18300, 16817, 15406, 15539, 18252, 15407 in [11-23/790r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0790-02-00be-lb271-cr-for-cids-in-35-3-11.docx) *[19 CIDs]*
* 16940, 16941, 16560, 16942, 16561, 16943, 16944, 15915, 16618, 16945 in [11-23/366r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0366-03-00be-lb271-cr-35-3-18-part-2.docx) & 16379 in [11-23/300r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0300-02-00be-lb271-cids-assigned-to-abhi-part-2.docx) *[11 CIDs]*

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

**Move: James Yee Second: Yunbo Li**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 555 (MAC)**

* 15163, 15164, 15165, 15166, 15361, 15364, 15456, 17262, 17530, 17531, 17532, 17574, 17575, 17752, 17753, 17754, 17756, 17757, 17762, 17763, 17971, 17999, 18000 in [11-23/733r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0733-03-00be-lb271-resolution-for-cids-on-bandwidth-indication.docx) *[23CIDs]*
* 15108, 16082, 16759, 16777, 16778, 16972, 17662, 18239, 18272 in [11-23/661r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0661-03-00be-lb271-cids-assigned-to-abhi-part-5.docx) *[9 CIDs]*
* 17314, 17129, 16203, 17316, 17317, 17130, 17133, 17318, 17132 in [11-23/645r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0645-02-00be-lb271-cr-for-35-15-1-part-2.docx) *[9 CIDs]*
* 15958, 16041, 17742, 18099, 17739, 15090, 15918, 16425, 17743, 15662, 15377, 15919, 16426, 16468, 15685, 16220, 16384, 16222, 16258, 16438, 15060 in [11-23/662r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0662-04-00be-lb271-cr-cl35-mlti-part2.docx) *[21 CIDs]*
* 15453, 16108, 16109, 16619, 18172, ~~17918, 18061~~, 18294, 16964, 16965, 18173, 18294 in [11-23/730r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0730-02-00be-lb271-cr-for-35-3-19-2.docx) *[10 CIDs]*

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

**Move: Abhishek Patil Second: Minyoung Park**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: Removed as these CIDs were resolved (same resolution) in two documents (other location is 11-23/359r3).

**TGbe MAC July Ad-Hoc**

**Approve a TGbe MAC (mixed mode) ad-hoc meeting on July 6-8, 2023, in Berlin, Germany, for the purpose of TGbe comment resolution and consideration of document submissions**

**Move: Po-Kai Huang Second: Hongyuan Zhang**

**Discussion: Some discussion (Saturday is included).**

**Result: Approved with unanimous consent.**

**TGbe PAR extension**

**Believing that the PAR contained in the document referenced below meets IEEE-SA guidelines,**

**Request that the PAR contained in** [**11-23/0654r0**](https://mentor.ieee.org/802.11/dcn/23/11-23-0654-00-00be-p802-11be-par-extension.pdf) **be posted to the IEEE 802 Executive Committee (EC) agenda for WG 802 preview and EC approval to submit to NesCom.**

**Move: Allan Jones Second: Brian Hart**

**Discussion: None.**

**Preliminary Result: 74Y, 0N, 6A (passes)**

**Result: 74Y, 0N, 5A (passes).**

Voting details

---------------------------------------------

---------------------------------------------

[V] Fumihide Goto, DENSO | X | | |

[V] Noel Stott Keysight Technologies | X | | |

Nima Namvar | X | | |

[V] Yunbo Li Huawei | X | | |

[V] Yue Qi, Samsung Research America | X | | |

[V] Insun Jang LGE | X | | |

[V] Peshal Nayak, Samsung Research America | X | | |

Thomas Derham | X | | |

[V] Gary Anwyl, Mediatek | X | | |

[V] Sang Kim LGE | X | | |

[V]XIANDONG DONG-XIAOMI | X | | |

[V] Liwen Chu, NXP | X | | |

[V] Gaurang Naik, Qualcomm Technologies Inc. | X | | |

[V] Hiromichi TOMEBA, sharp | X | | |

[V] Ryota Yamada, Sharp | X | | |

[V] Yanjun Sun Qualcomm | X | | |

[V] Inaki Val, MaxLinear | X | | |

[V] Zinan Lin, InterDigital | X | | |

[V] Kiseon Ryu NXP | X | | |

[V] SunHee Baek, LGE | X | | |

[V] You-Wei Chen, MediaTek | X | | |

[V} John Wullert, Peraton Labs | X | | |

[V] Jinsoo Choi LG | X | | |

[V] Ming Gan Huawei | X | | |

[V] Leo Montreuil, Broadcom | X | | |

[V] Tuncer Baykas, Ofinno | X | | |

[V] Kazuto Yano, ATR | X | | |

[V] Atsushi Shirakawa, Sharp | X | | |

[V] Wook Bong Lee, Apple | X | | |

[V] Shawn Kim, WILUS Inc. | X | | |

[V] Youhan Kim, Qualcomm Technologies, Inc. | X | | |

[V] John Juhyung Son, WILUS | X | | |

[V] Qi Wang, Apple | X | | |

[V] Hongyuan Zhang NXP | X | | |

[V] Mahmoud Kamel, InterDigial | | | X |

[V] Hiroyuki Motozuka, Panasonic | X | | |

[V] Yan Zhang Apple | X | | |

[V] Elliot Jen, Samsung Research America | X | | |

[V] Matthew Fischer Broadcom | X | | |

Jarkko Kneckt | | | X |

[V] Yelin Yoon. LGE | | | X |

[V] Jinyoung Chun, LG | X | | |

[V] Hank ChiHan Huang, MediaTek | X | | |

[V] Takuhiro Sato, Sharp | X | | |

[V] George Chih-Chun Kuo, Mediatek | X | | |

[V] Minyoung Park, Intel | X | | |

[V] Kanke Wu, Qualcomm | X | | |

[V] Jing Guo, NXP | | | X |

[V] Chung-Ta Ku, Mediatek | X | | |

[V] Duncan Ho, Qualcomm Technologies | X | | |

Binita Gupta | X | | |

[V] Ron Porat, Broadcom | X | | |

[V] Dmitry Akhmetov, Intel | X | | |

Jinjing Jiang | X | | |

[V] Gaurav Patwardhan HPE | X | | |

[V] Chunyu Hu Meta | X | | |

[V] Abdel Karim Ajami, Qualcomm | X | | |

[V] Naveen Kakani, Qualcomm | X | | |

[V] Srinivas Kandala Samsung | X | | |

[V] Dibakar Das, Intel | X | | |

[V] Stephane Baron Canon | | | X |

[A] Shinya MIWA, Canon | | | X | INVALID VOTE: NON VOTER

[V] Jason Yuchen Guo Huawei | X | | |

[V] Michail Koundourakis, Samsung | X | | |

[V] Mikael LORGEOUX Canon | X | | |

[V] Allert van Zelst, Qualcomm | X | | |

[V] Patrice NEZOU, Canon | X | | |

[V] Menzo Wentink Qualcomm | X | | |

[V] Thomas Handte Sony | X | | |

[V] Massinissa Lalam Sagemcom | X | | |

[V] Zhi Mao, Huawei | X | | |

[V] Guogang Huang Huawei | X | | |

[V] Yonggang Fang MediaTek | X | | |

[V] Allan Jones - Activision | X | | |

[V] Sigurd Schelstraete MaxLinear | X | | |

[V] Abhishek Patil Qualcomm | X | | |

[V] Carol Ansley Cox | X | | |

[V] Po-Kai Huang, intel | X | | |

[V] M. Kumail Haider Meta | X | | |

[V] Max Riegel - Nokia | X | | |

* Technical Submissions**: CR**
  + [520r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0520-00-00be-lb271-cr-for-9-3-1-22-9.docx) CR for 9.3.1.22.9 Yanjun Sun

C: why do we need to spell out that the PPDU is EHT MU PPDU or non-HT duplicate PPDU?

C: did you keep “does not set”

A: the text is deleted by another CID.

Unfinished document.

* Recess at 15:30

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

For PHY ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0883-00-00be-minutes-802-11-be-phy-ad-hoc-may-2023-interim-meeting.docx

For MAC ad-hoc group:

* https://mentor.ieee.org/802.11/dcn/23/11-23-0868-04-00be-minutes-of-tgbe-2023-sept-interim-mac.docx

# May 16, Tuesday, PM3, MAC (19:30-21:30)

Canceled

# May 17, 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:**
    - [520r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0520-00-00be-lb271-cr-for-9-3-1-22-9.docx) CR for 9.3.1.22.9 Yanjun Sun [18C]
    - [728r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-00-00be-lb271-cr-for-35-15-2.docx) CR for 35.15.2 Yanjun Sun [18C]
    - [367r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0367-02-00be-lb271-crs-on-9-4-1-71.docx) LB271 CRs on 9.4.1.71 Jinyoung Chun [SP 2C]
    - [672r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0672-00-00be-lb271-cr-for-clause-9-4-1-73.docx) CR-for-Clause 9.4.1.73 Dongguk Lim [8C]
    - [671r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0671-00-00be-lb271-cr-for-clause-9-4-1-72.docx) CR-for-Clause 9.4.1.72 Dongguk Lim [6C]
    - [317r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0317-02-00be-cr-d30-miscs.docx) cr\_d30\_Miscs. Xiaogang Chen [10C]
    - [602r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0602-00-00be-lb-271-cr-for-9-2-4-8.docx) LB 271 CR for 9.2.4.8 Hanqing Lou [2C]
  + Discussion
    - None
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [520r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0520-00-00be-lb271-cr-for-9-3-1-22-9.docx) CR for 9.3.1.22.9 Yanjun Sun

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0520r1 and incorporate the text changes into the latest TGbe draft?

         17463,15042,17464,17462,15043,17465,15211,17466,15670,17467,16391,17468,17469,17470,17471,15253,17472,17473

Discussion: None.

Result: No objection.

* + [728r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-00-00be-lb271-cr-for-35-15-2.docx) CR for 35.15.2 Yanjun Sun

C: CID 16665, the resolution is talking about puncturing, but the comment is saying immediate response, seems there’s a mismatch.

C: can you remove “more graceful update” since it is not a normative language, change it to “in advance”.

C: add “non-AP” before “STAs”.

C: Guogang requested to defer the last 4 CIDs.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0728r1 and incorporate the text changes into the latest TGbe draft?

         17134,17162,17135,17136,16663,17137,16665,16664,16360,17138,16361,16352

Discussion: None.

Result: No objection.

* + [367r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0367-02-00be-lb271-crs-on-9-4-1-71.docx) LB271 CRs on 9.4.1.71 Jinyoung Chun

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0367r3 and incorporate the text changes into the latest TGbe draft?

         17494 and 17498

Discussion: None.

Result: No objection.

* + [672r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0672-00-00be-lb271-cr-for-clause-9-4-1-73.docx) CR-for-Clause 9.4.1.73 Dongguk Lim

C: CID 17506, is there a conflict between this one and the one discussed yesterday in the PHY group?

A: it is similar to what has been discussed yesterday in PHY.

C: “set to 1” should be “equal to 1” since we are not changing the bits.

C: last CID, suggest to changed it to “If the size of the unpadded EHT CQI report…”, also add “unpadded” in the next line.

Note: in the resolution collum, “instructions to the TGbf Editor” should be “instructions to the TGbfeEditor”, if any.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0672r1 and incorporate the text changes into the latest TGbe draft?

         17506, 17507, 17508, 17509, 17510, 17511, 17512, and 17513

Discussion: None.

Result: No objection.

* + [671r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0671-00-00be-lb271-cr-for-clause-9-4-1-72.docx) CR-for-Clause 9.4.1.72 Dongguk Lim

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0671r1 and incorporate the text changes into the latest TGbe draft?

         17514, 17501, 17502, 17503, 17504, and 17505

Discussion: None.

Result: No objection.

* + [317r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0317-02-00be-cr-d30-miscs.docx) cr\_d30\_Miscs. Xiaogang Chen

C: if you make the change like this, it is better to write it as a separate bullet

C: in the 2nd option, N should be 8 or 4? Using 8 is making the requirement more stringent.

C: trigger should be Trigger.

C: CID 15103, the otherwise part is not appropriate, or even not needed.

C: do not need “current” for the sounding sequence.

C: Please clarify the beaformee is a STA rather than a non-AP MLD.

C: we don’t have normative language for the eMLSR sounding sequence.

A: the figure for the eMLSR sounding is an example.

C: agree that there’s no normative language about the gap for the 2nd BFRP, in the industry people use SIFS, but some clarification will help.

C: suggested wording: “A beamformer shall not address a beamformee that is affiliated with an MLD operating in EMLSR or EMLMR mode in a BFRP Trigger frame that is not the first BFRP Trigger frame in a sounding sequence.”

SP deferred

* + Agenda discussion

The chair asked if anyone can use the remaining 9 minutes for any contribution

Rubayet asked to add 357

The chair asked if there’s any objection to add the above contributions to the agenda.

No objection

* + 357r1 LB271 CIDs on TWT Rubayet Shafin

C: Abdel asked for more time since there are other ways, i.e., AP can announce unsolicited schedules for the non-AP STAs.

SP deferred

* Recess at 12:30

# May 17, Wednesday, PM2, MAC (16:00-18:00)

* https://mentor.ieee.org/802.11/dcn/23/11-23-0868-04-00be-minutes-of-tgbe-2023-sept-interim-mac.docx

# May 18, 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
  + Joint Submissions:
    - [716r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0716-02-00be-lb271-cr-for-clause-6-3.docx) CR for clause 6.3 Yan Li [Rev-SP]
    - [317r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0317-02-00be-cr-d30-miscs.docx) cr\_d30\_Miscs. Xiaogang Chen [10C-SP]
    - [822r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0822-00-00be-lb271-cr-for-9-4-2-313-2.docx) LB271 CR for 9 4 2 313 2 Yanjun Sun [8C]
  + MAC Submissions:
    - 609r1 CR-SCS-related-CIDs Dibakar Das [40C]
    - [466r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0466-00-00be-lb271-cr-for-9-3-3.docx) CR for 9.3.3 Gaurang Naik [8C] Discussion
    - Jason requested to add doc. 803r4 for SP
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + [716r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0716-02-00be-lb271-cr-for-clause-6-3.docx) CR for clause 6.3 Yan Li

C: the commenter is asking to add some elements, but the resolution is not doing that.

A: Minyoung’s document has already handled that.

The chair asked if there’s any objection to update the revision number of 11-23/0716r1 in the motion list to 11-23/0716r2

Result: No objection.

* + [317r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0317-02-00be-cr-d30-miscs.docx) cr\_d30\_Miscs. Xiaogang Chen

C: the contents of the PPDU “sounding feedback/CQI…” should not be in the normative behavior, please delete. You can add a note if you want to capture that.

C: Youhan suggested: “Subsequent BFRP Trigger frames, if any, in the EHT TB sounding sequence shall be transmitted SIFS after the EHT TB PPDU transmitted in response to the previous BFRP Trigger frame.”

C: should we use a different letter as N?, e.g., M.

C: Mark suggested to use a wording like: For each non-AP STA, at least M .... of the non-AP STA

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0317r4 and incorporate the text changes into the latest TGbe draft?

         15103 15104 15106 15107 16154 17250 17251 15914 15649 15916

Discussion: None.

Result: No objection.

* + [822r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0822-00-00be-lb271-cr-for-9-4-2-313-2.docx) LB271 CR for 9 4 2 313 2 Yanjun Sun

C: CID 17677, I think we already have it in the baseline, “set to 1” is OK, no need to add “by the STA”.

C: “set to 1” is used at the transmitter, and “is to 1” is used at the receiver.

C: this is the definition of the encoding of the capabilities, so it’s at the transmitter side.

C: just delete “by the AP” and “by the STA”

C: having the AP with dot11SCSActivated equal to true is redundant.

C: for Two BQR Support, Reserved if the BQR Support subfield in the HE Capabilities element is set to 0 by the AP

A: it should be in the normative behavior.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0822r1 and incorporate the text changes into the latest TGbe draft?

         15845,17677,17678,17679,17680,17681,17682,17683

Discussion: None.

Result: No objection.

* + Agenda discussion

Arik asked to add 738r3 for a quick SP.

The chair asked if there’s any objection.

No objection.

* + 738r3 LB271 CR for Clause 35.3.7.4.2 - Part 2 Arik Klein

C: you are mentioning 35.3.7.1.1, are you saying the rules in other subclauses can be used?

C: “as defined in” should be changed to “(see ……)”

C: any frame including broadcast frames?

C: if the only link is disabled, what’s the reason for keeping the non-AP MLD as associated.

C: in current days, we should have at least one link as enabled.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0738r4 and incorporate the text changes into the latest TGbe draft?

        16513

Discussion: None.

Result: No objection.

* + 609r1 CR-SCS-related-CIDs Dibakar Das

C: “with value equal to” should be “indicating”

C: CID 15014, removing the “( )”

C: should be “the allocation of the TS”

C: CID 16709, an AP should only be able to schedule for its own link.

C: should facilitated, need to delete “ed” for facilitated.

C: if multiple SCS streams are mapped to one TID, how does the AP satisfy the QoS requirement of each SCS stream, the AP just mix them together without the SCSID from the higher layer.

C: The QoS characteristics element has TID field, can you double check? (CID 16292)

A: The issue is that TWT element (except for RTWT) does not have TID.

Unfinished document

* Recess at 10:00

# May 18, Thursday, PM1, Joint (13:30-15:30)

* 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 (first hour and 20 mins)
    - 609r1 CR-SCS-related-CIDs Dibakar Das [40C SP]
    - 357r1 LB271 CIDs on TWT Rubayet Shafin [SP only]
    - 361r3 CR for Reconfiguration ML element – part Binita Gupta [XC SP]
    - 458r5 CRs for 35.8.4 R-TWT announcement Chunyu Hu [XC SP]
    - 803r2 cr-for-35.3.7.1.7-Part-II Jason Y. Guo [2C SP]
    - 568r3 CIDs assigned to Abhi - Part 3 Abhishek Patil [2C SP]
    - 572r4 CR CL35 EMLSR part3 Minyoung Park [4C SP]
    - 643r7 CIDs assigned to Abhi - Part 4 Abhishek Patil [2C SP]
    - 588r3 CR for CIDs in 35.3.7.1.1 Laurent Cariou [XC SP]
    - 590r4 CR for CIDs in 35.3.7.1.x Laurent Cariou [XC SP]
    - 733r4 Resolution for CIDs on bandwidth indication Morteza Mehrnoush [1C SP]
    - 765r4 CR for ML Reconfiguration Add Delete Link Binita Gupta [20C SP]
  + Motions: [11-23/442r11](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-11-00be-tgbe-motions-list-part-4.pptx)
  + Discussion
    - Binita deferred 361r3
    - Rubayet deferred 357r1
    - Abhi added 296r6
    - Kaiying requested to add 395r4
    - Laurent deferred 588r3 and 590r4
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + 609r1 CR-SCS-related-CIDs Dibakar Das

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0609r2 and incorporate the text changes into the latest TGbe draft?

         15017 17140 15443 17139 16070 16071 16287 16288 16149 15814 15014 15815 17171 16073 15587 15586 16074 17796 15817 17172 16654 15818 16075 16153 16289 17555 15362 16135 17774

Discussion: None.

Result: No objection.

* + 458r5 CRs for 35.8.4 R-TWT announcement Chunyu Hu

C: can we defer the CIDs about the broadcast TWT ID = 31?

C: carrying two rTWT elements in the Beacon for each nontransmitted BSSID is a big overhead.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0458r8 and incorporate the text changes into the latest TGbe draft?

         16066, 16141, 16570, 16571, 15841, 16143, 18255, 15842, 16067, 17083, 15933, 16650, 16142, 16115, 15848

Discussion: None.

Result: 45Y/27N/30A

* + 803r4 cr-for-35.3.7.1.7-Part-II Jason Y. Guo

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0803r4 and incorporate the text changes into the latest TGbe draft?

        18141 17945

Discussion: None.

Result: No objection.

* + 568r3 CIDs assigned to Abhi - Part 3 Abhishek Patil

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0568r3 and incorporate the text changes into the latest TGbe draft?

        15175 and 15157

Discussion: None.

Result: No objection.

* + 572r4 CR CL35 EMLSR part3 Minyoung Park

C: Gaurang speaks against opt1, need other rules preventing non-AP STAs from transmitting, which are missing in the current document.

C: Matt is infavor of opt1.

C: what we have been agreeing on is option 1, the padding delay is a requirement from the STA to the AP.

C: Gaurang asked for more time so that he can educate the members about the issue. E.g., there are some ambiguity, e.g., immediately after or 10 min after.

C: I don’t think we need any change, the current text is good enough. If we have to make a change, then opt2 is the preferred option.

**SP:** Which option do you prefer from 11-23/572r6?

* Opt 1
* Opt 2
* Either opt1 or opt 2
* Abstain

Discussion: None.

Result:

Option1: 66

Option2: 32

Either option1 or option2: 14

Abstain: 15.

* + 643r7 LB271: CIDs assigned to Abhi - Part 4 Abhishek Patil

C: the link ID is based on BSS life time, Is it right?

C: it’s MLD’s life time.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0643r8 and incorporate the text changes into the latest TGbe draft?

         18269 15009

Discussion: None.

Result: No objection.

* + Motions: 23/442r11

**Motion 555 (Joint)**

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

* 15247, 15420, 15573, 15575, 17006, 17007, 17008, 17009, 17011, 17012,17013, 17015, 17018, 17019, 17022, 17023, 17024, 15252, 17014, 15572, 15574, 15765, 16132 in [11-23/0306r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0306-02-00be-cr-for-35-5-2-part-1.docx) *[23 CIDs]*
* 17446, 17447, 17448, 17449, 17450 in [11-23/0518r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0518-00-00be-lb271-cr-for-9-3-1-22-4.docx) & 15249, 15250, 16124, 16127 in [11-23/0669r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0669-01-00be-lb2271-cr-for-section-9-3-1-19-part1.doc) *[9 CIDs]*
* 15503, 15029, 17460, 15210, 15656, 15712, 17451, 17452, 17453, 17454, 17455, 17456, 17457, 17458, 17459, 17461 in [11-23/0519r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0519-01-00be-lb271-cr-for-9-3-1-22-5.docx) *[16 CIDs]*
* 15248, 15499, 16126 in [11-23/0492r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0492-00-00be-lb271-cr-for-section-9-3-1-19-part2.doc) & 15055, 15945, 16321, 16322, 16323 in [11-23/0716r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0716-02-00be-lb271-cr-for-clause-6-3.docx) *[8 CIDs]*
* 15170, 15214, 15373, 17716, 17717, 17718 in [11-23/0689r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0689-02-00be-lb271-cr-for-9-4-2-313-4-supported-eht-mcs-and-nss-set-field.docx) *[6 CIDs]*
* 17273, 17046, 17047, 18011, 17981, 17982, 17049, 15576, 17050, 17052, 15577, 17054, 17983, 17984, 17053, 17055 in [11-23/0630r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-01-00be-lb-271-cr-for-35-7-2-part-ii.docx) *[16 CIDs]*

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

**Move: Mike Montemurro Second: Jarkko Kneckt**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 556 (Joint)**

**Move to approve resolutions for CID 18060 as shown in** [**11-23/0701r0**](https://mentor.ieee.org/802.11/dcn/23/11-23-0701-00-00be-lb-271-cids-on-coexistence-assurance-document.docx) **and update the reference from IEEE802.11be D2.0 to IEEE802.11be D3.0?**

**Move: Stephen McCann Second: Youhan Kim**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 557 (MAC)**

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

* 15068, 15179, 15180, 15181, 15188, 15191, 15192, 15193, 15179, 15198, 15148, 15149, 15199, 18062, 15150, 15025, 15151, 15152, 15200, 15201, 15136, 15153, 15154, 15137, 15202, 15203, 15206, 15207, 18018\*\* in [11-23/548r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0548-03-00be-tgbe-lb271-security-comment-resolutions-part-1.docx) *[29 CIDs]*
* 15960, 17764, 18256, 17767, 17768, 17769, 17910 in [11-23/693r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0693-00-00be-lb271-cr-on-btm.docx) & 15832, 16064, 16065, 16697, 17268, 16698 in [11-23/458r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0485-00-00bf-ieee-802-11bf-march-2023-plenary-meeting-minutes.docx) *[13 CIDs]*
* 15910, 15911, 17387, 17388, 17328 in [11-23/373r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0373-01-00be-lb271-cr-for-two-bqrs.docx) *[5 CIDs]*
* 15530, 15531, 16022, 16023, 16113, 16191, 16511, 16512, 17815, 18155, 18201 in [11-23/738r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0738-02-00be-lb271-cr-for-clause-35-3-7-4-2-part-2.docx) *[11 CIDs]*
* 15232, 15732, 15742, 17956, 15704, 15243, 15242, 15741 in [11-23/757r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0757-02-00be-cr-for-lb271-cids-part3.docx) *[8 CIDs]*
* 15145, 15697, 16683, 15205, 15208, 15168, 15143, 15144, 15513, 15204, 16329. 16330, 15514, 15532, 16332, ~~15515~~ in [11-23/731r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0731-02-00be-tgbe-lb271-security-comment-resolutions-part-2.docx) *[15 CIDs]*

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

**Move: Mike Montemurro Second: Abhishek Patil**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: \*\* CID was discussed and there was no objection, but was forgotten to be included in SP list.

**Motion 558 (PHY)**

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

* 15269, 16643 in [11-23/0533r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0533-02-00be-lb271-cr-for-eht-sig-part-2.doc) & 15325, 15326, 17178 in [11-23/0652r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0652-02-00be-lb271-cr-for-cids-15325-15326-and-17178.docx) *[5 CIDs]*
* 16271, 17719, 17720, 17721, 17722, 17723, 17724, 17725, 17726, 17727, 17729 in [11-23/0611r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0611-01-00be-lb271-cr-for-eht-ppe-thresholds-field.docx) *[11 CIDs]*
* 15768, 15769, 15770, 17929, 17930 in [11-23/0687r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0687-00-00be-lb271-cr-for-36-3-7-overview-of-the-ppdu-encoding-process.docx) *[5 CIDs]*
* 15023, 15072, 17182, 17183 in [11-23/0686r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0686-00-00be-lb271-cr-for-36-2-6-support-for-non-ht-ht-vht-and-he-formats.docx) & 15714, 17180, 17181 in [11-23/0685r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0685-00-00be-lb271-cr-for-36-2-4-phy-config-vector.docx) & 17146 in [11-23/0699r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0699-01-00be-lb271-cid-17146.docx) *[8 CIDs]*

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

**Move: Ross Jian Yu Second: Bin Tian**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 559 (PHY)**

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

* 15287, 15350, 15631, 15941, 16120, ~~16213, 16214\*\*~~, 16215, 16217, 16719, 16883 in [11-23/0670r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0670-00-00be-lb271-cr-for-clause-3-2.docx) *[9 CIDs]*
* 17229, 17231in [11-23/0826r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0826-00-00be-lb271-cr-for-cid-17229-and-17231.docx) *&* 17704 in [11-23/0865r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0865-00-00be-lb-271-comment-resolution-for-cid-17704.docx) & 15268, 16641, 16642 in [11-23/0542r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0542-01-00be-lb271-cr-for-eht-sig-part-3.doc) *[6 CIDs]*
* 15022, 15033, 15256, 15258, 15327, 15328, 15329, 15330, 15331, ~~15332~~, 15334, 15335, 15337, 15338, 15339, 15340, 15341, 15342, 15343, 15344, 15345, 17147, 17148, 17153, 17154, 17155, 17156, 17157, 17158, 17159, 17237 in [11-23/0741r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0741-01-00be-cr-d3-0-txvector-rxvector-parameters-part1.docx) *[30 CIDs]*
* 16631, 16632, 16633 in [11-23/0781r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0781-00-00be-lb271-cr-for-36-3-2-5-20-mhz-operating-non-ap-eht-stas-participating-in-wider-bandwidth-ofdma.docx) *&* 15263, 16261, 16262, 16263, 16264, 16363 in [11-23/0502r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0502-01-00be-lb271-crs-for-36-3-14.docx) *[9 CIDs]*
* 17685, 17144, 17145, 17686, 17687, 17688, 16394, 17689, 17690, 17691, 17692, 17693, 17694, 17695, 17696, 17698, 17699, 177**0**0, 17167, 15294, 15295, 17701, 17702, 15296, 15297, 17703, 15212, 152**64**, 17706, 15298, 17707, 15299, 17709, 15760, 17710, 16157, 15300, 15761, 15213, 17711, 17712, 17713, 17968, 17714, 17697, 17705, 17708, 17801, 17715, 16158, 16159, 16160 in [11-23/0682r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0682-02-00be-lb-271-comment-resolutions-for-crs-in-9-4-2-313-3.docx) [53]

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

**Move: Youhan Kim Second: Allan Jones**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 560 (MAC)**

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

* 15421, 16668 in [11-23/754r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0754-02-00be-lb271-cr-for-r-twt-part-2.docx) *&* 16564, 15570, 16058, 16991, 17623, 16992 in [11-23/791r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0791-01-00be-lb271-cr-for-cids-in-35-3-23.docx) *[8 CIDs]*
* 15160, 15355, 15494, 16121, 16387, 16690, 18051, 18068, 18069, 18070, 18072 in [11-23/720r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0720-02-00be-lb271-4-9-6-mlo-reference-model.docx) *[11 CIDs]*
* ~~18141~~, 18261, ~~17827~~, 18143 in [11-23/803r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0803-02-00be-lb271-cr-for-35-3-7-1-7-part-ii.docx) *[2 CIDs]*
* 15583, 16705, 16706, 16273, 15438, 16274, 15437, 15439, 15635, 15585, 16708, 15634 in [11-23/772r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0772-05-00be-resolution-of-epcs-edca-related-cids.docx) *[12 CIDs]*
* 15593 15110 18264 15646 15229 15729 17883 15913 in [11-23/572r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0572-05-00be-lb271-cr-cl35-emlsr-part3.docx) *[8 CIDs]*
* 15744 15934 16651 15651 17086 in [11-23/673r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0673-01-00be-lb271-cr-for-mics-cids.docx) *[5 CIDs]*
* 17350 15497 17307 17392 17552 17553 16192 in [11-23/691r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0691-03-00be-lb271-cr-for-misc-cids.docx) *[7 CIDs]*

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

**Move: John Wullert Second: Minyoung Park**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 561 (Joint)**

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

* 17463, 15042, 17464, 17462, 15043, 17465, 15211, 17466, 15670, 17467, 16391, 17468, 17469, 17470, 17471, 15253, 17472, 17473 in [11-23/0520r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0520-01-00be-lb271-cr-for-9-3-1-22-9.docx) *[18 CIDs]*
* 17134, 17162, 17135, 17136, 16663, 17137, 16665, 16664, 16360, 17138, 16361, 16352 in [11-23/0728r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-01-00be-lb271-cr-for-35-15-2.docx) *[12 CIDs]*
* 17494, 17498 in [11-23/0367r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0367-03-00be-lb271-crs-on-9-4-1-71.docx) & 17506, 17507, 17508, 17509, 17510, 17511, 17512, 17513 in [11-23/672r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0672-01-00be-lb271-cr-for-clause-9-4-1-73.docx) *[10 CIDs]*
* 17514, 17501, 17502, 17503, 17504, 17505 in [11-23/0671r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0671-01-00be-lb271-cr-for-clause-9-4-1-72.docx) *[6 CIDs]*
* 15103 15104 15106 15107 16154 17250 17251 15914 15649 15916 in [11-23/0317r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0317-04-00be-cr-d30-miscs.docx) *[10 CIDs]*
* 15845, 17677,17678,17679,17680,17681,17682,17683 in [11-23/0822r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0822-01-00be-lb271-cr-for-9-4-2-313-2.docx) *[8 CIDs]*
* 16513 in [11-23/0738r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0738-04-00be-lb271-cr-for-clause-35-3-7-4-2-part-2.docx) *[1 CID]*

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

**Move: Mike Montemurro Second: Matthew Fischer**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 562: Timeline Update**

**Move to amend TGbe Timeline as follows:**

* **PAR approved Mar 2019**
* **First TG meeting May 2019**
* **D0.1 Sept 2020**
* **D1.0 WG Comment Collection May 2021**
* **D2.0 WG Letter Ballot May 2022**
* **D3.0 LB Jan 2023**
* **Initial SA Ballot ~~(D4.0)~~ ~~May~~ Nov 2023**
* **Final 802.11 WG approval ~~Mar~~ Sept 2024**
* **802 EC approval ~~Mar~~ Oct 2024**
* **RevCom and SASB approval ~~May~~ Dec 2024**

**Move: Abhishek Patil Second: Brian Hart**

**Discussion: None.**

**Result: Approved with unanimous consent.**

* Technical Submissions**: CR**
  + 733r4 Resolution for CIDs on bandwidth indication Morteza Mehrnoush

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0733r4 and incorporate the text changes into the latest TGbe draft?

        17266, 17533, 17534, 17755, 17972

Discussion: None.

Result: No objection.

* + 765r4 CR for ML Reconfiguration Add Delete Link Binita Gupta

Discussion: None.

* Motions

**Motion 563**

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

* 15017 17140 15443 17139 16070 16071 16287 16288 16149 15814 15014 15815 17171 16073 15587 15586 16074 17796 15817 17172 16654 15818 16075 16153 16289 17555 15362 16135 17774 in 11-23/0609r2
* 18141 17945 in 11-23/0803r4
* 15175 and 15157 in 11-23/0568r3
* 18269 15009 in 11-23/0643r8
* 17266, 17533, 17534, 17755, 17972 in 11-23/0733r4

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

**Move: Abhishek Patil Second: Brian Hart**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 564**

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

* 15985 15028 15147 15638 15844 15987 16094 16116 16155 16156 16172 16173 16416 16478 17885 18116 18117 18187 18274 18322 16443 in 11-23/765r4

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

**Move: Binita Gupta Second: Chunyu Hu**

**Discussion: Recorded vote is requested.**

**Preliminary Result: (83Y +3Y), 21N, 11A (passes)**

**Amended Results: (81Y+3Y), 20N, 11A (passes)**

Voting details:

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[V] Po-Kai Huang, intel | X | | |

[V] D Dash, Apple | X | | |

[V] Qi Wang, Apple | X | | |

[V] You-Wei Chen, MediaTek | X | | |

Rolf de Vegt | X | | |

[V] Sang Kim LGE | X | | |

[V] Zinan Lin, InterDigital | | | X |

[V] Atsushi Shirakawa, Sharp | X | | |

[V] Sigurd Schelstraete MaxLinear | | | X |

[V] Kiseon Ryu NXP | X | | |

[V] Oded Redlich Huawei | | X | |

[V] Rubayet Shafin, Samsung Research America | | X | |

Thomas Derham | X | | |

[V] Bin Tian Qualcomm | X | | |

[V] Takuhiro Sato, Sharp | X | | |

[V] Yelin Yoon. LGE | X | | |

[V] Yingqiao Quan, Unisoc | | | X |

[V] Hirohiko Inohiza Canon | X | | |

[V] George Chih-Chun Kuo, Mediatek | X | | |

[V]Juseong Moon | | | X |

[V] Duncan Ho, Qualcomm Technologies | X | | |

[V] Meriam Rezk Qualcomm Technologies Inc. | X | | |

[V] Vamsi Amalladinne, Qualcomm Inc. | X | | |

[V] Lalit Garg,Broadcom | X | | |

[V] Binita Gupta, Meta | X | | |

[V] Minyoung Park, Intel | X | | |

[V] Srinivas Kandala Samsung | X | | |

[V] Cheng Chen, Intel | X | | |

[V] Alice Jialing Li Chen Qualcomm | X | | |

[V] Qing Xia, Sony | | | X |

[V] Chunyu Hu Meta | X | | |

[V] Naveen Kakani, Qualcomm | X | | |

[V] Junyoung Nam, Qualcomm | X | | |

Kaiying Lu | X | | |

[V] Gaurav Patwardhan HPE | X | | |

[V] Abdel Karim Ajami, Qualcomm | X | | |

[V] Sidharth Thakur, Apple | X | | |

[V] Ross Jian Yu Huawei | | X | |

[V] Chung-Ta Ku, Mediatek | X | | |

[V] Kanke Wu, Qualcomm | X | | |

[V] Boon Loong Ng Samsung Research America | | X | |

[V] Yongho Seok MediaTek | X | | |

[V] Saju Palayur - Maxlinear | | | X |

Daniel Borges | X | | |

[V] Qinghua Li, Intel | X | | |

[V] Dibakar Das, Intel | X | | |

[V] Jouni Malinen, Qualcomm | X | | |

[V] Jason Yuchen Guo Huawei | | X | |

[V] Mengshi Hu Huawei | | X | |

[V] Benedikt Schweizer, Apple | X | | |

[V] Michail Koundourakis, Samsung | X | | |

[V] Menzo Wentink Qualcomm | X | | |

[V] Yue Qi, Samsung Research America | | X | |

[V] Ming Gan Huawei | | X | |

[V] Shimi Shilo Huawei | | X | |

[V] Albert Bredewoud, Broadcom | X | | |

[V] Massinissa Lalam Sagemcom | | | X |

[V] Stephane Baron Canon | X | | |

[V] Mark RISON Samsung | | | X |

[V] Mikael LORGEOUX Canon | X | | |

[NV] Yue Zhao Huawei | | X | | INVALID VOTE: NON VOTER!

[V] Zhi Mao, Huawei | | X | |

[V] Bo Gong Huawei | | X | |

[V] Yunbo Li Huawei | | X | |

Wei Lin Huawei | | X | |

[V] Abhishek Patil Qualcomm | X | | |

[V] Youhan Kim, Qualcomm Technologies, Inc. | X | | |

Wook Bong Lee | X | | |

[V] Leo Montreuil, Broadcom | X | | |

[V] Eunsung Park LGE | X | | |

[V] Pooya Monajemi, Apple | X | | |

[V] Ryota Yamada, Sharp | | | X |

[V] Guogang Huang Huawei | | X | |

Morteza Mehrnoush | X | | |

[V] SunHee Baek, LGE | X | | |

[V] Allan Jones - Activision | X | | |

[V] Yan Zhang Apple | X | | |

[V] Shubhodeep Adhikari Broadcom | X | | |

[V] George Cherian Qualcomm | X | | |

[V} John Wullert, Peraton Labs | X | | |

[V] James Yee, MediaTek | X | | |

[V] Shawn Kim, WILUS Inc. | | X | |

[V] Insun Jang LGE | X | | |

[V] Matthew Fischer Broadcom | X | | |

[V] John Juhyung Son, WILUS | | X | |

[V] Laurent Cariou, Intel | X | | |

[V] Yonggang Fang MediaTek | X | | |

Brian Hart | X | | |

[V] Gaurang Naik, Qualcomm Technologies Inc. | X | | |

[V] Hiromichi Tomeba, sharp | | | X |

[V] Robert Stacey, Intel | X | | |

[V] Yanjun Sun Qualcomm | X | | |

Yong Liu | X | | |

[V] Juan Fang, Intel | X | | |

[V] M. Kumail Haider Meta | X | | |

[V] Akira Kishida NTT | X | | |

[V] Liwen Chu, NXP | X | | |

[V] Liuming Lu OPPO | X | | |

Yusuke Tanaka | X | | |

[V]XIANDONG DONG-XIAOMI | | X | |

[V] Ali Raissinia Qualcomm | X | | |

Ahmet Cepni | X | | | INVALID VOTE: NO MATCH FOUND!

[V] Zhenguo Du, Huawei | | X | |

[V] Claudio da Silva, Meta | X | | |

[V] Dongguk Lim, LGE | X | | |

[NV] Phil Hawkes Qualcomm | X | | | INVALID VOTE: NON VOTER!

[V] Jung Hoon Suh Huawei | | X | |

Anuj Batra | X | | |

[V] Jarkko Kneckt, Apple | X | | |

Jinjing Jiang | X | | |

[V] Lochan Verma, Apple | X | | |

Sameer Vermani | X | | |

[V] Alex Krebs, Apple | X | | |

[V] Stephen McCann, Huawei | | | X |

[V] Genadiy Tsodik, Huawei | | X | |

**Motion 565**

**Move to instruct the TGbe Editor to create IEEE802.11be D3.2 draft after incorporating the approved changes as specified in Motions 538 to 564 (motions with numerical values).**

**Move: Stephen McCann Second: Youhan Kim**

**Discussion: None.**

**Result: Approved with unanimous consent.**

* Adjourned at 15:30