IEEE P802.11  
Wireless LANs

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| TGbe Jan-Mar Teleconference Minutes | | | | |
| Date: 2023-04-05 | | | | |
| 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 IEEE 802.11 TGbe teleconferences from March 2023 to May 2023.

Revision history:

* Rev0: initial version of the document
* Rev1: add the minutes for the joint call on April 19.
* Rev2: add links for the PHY and MAC ad hoc meetings

Abbreviations:

* C: Comment.
* A: Answer.

# 1st Conf. Call: March 27 (19:00–21:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-03-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 2nd Conf. Call: March 29 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-05-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 3rd Conf. Call: April 05 (10:00–12:00 ET)–JOINT

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order
* Jason Yuchen Guo (Huawei) is serving as the Secretary
* 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
* 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 “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “<Joint TGbe > 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)) and Alfred Asterjadhi ([asterjadhi@gmail.com](mailto:asterjadhi@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
  + Attendee List

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Breakout | SA PIN | Timestamp | Name | Affiliation |
| TGbe (Joint) | 135742 | 4/5 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (Joint) | 78722 | 4/5 | Ansley, Carol | Cox Communications Inc. |
| TGbe (Joint) | 71275 | 4/5 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGbe (Joint) | 108915 | 4/5 | Baek, SunHee | LG ELECTRONICS |
| TGbe (Joint) | 82782 | 4/5 | baron, stephane | Canon Research Centre France |
| TGbe (Joint) | 83090 | 4/5 | Cao, Rui | NXP Semiconductors |
| TGbe (Joint) | 56788 | 4/5 | Carney, William | Sony Group Corporation |
| TGbe (Joint) | 167397 | 4/5 | Chen, You-Wei | MediaTek Inc. |
| TGbe (Joint) | 173075 | 4/5 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 37892 | 4/5 | CHUN, JINYOUNG | LG ELECTRONICS |
| TGbe (Joint) | 109566 | 4/5 | Chung, Chulho | SAMSUNG |
| TGbe (Joint) | 14719 | 4/5 | Das, Subir | Peraton Labs |
| TGbe (Joint) | 63690 | 4/5 | Dong, Xiandong | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 146634 | 4/5 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbe (Joint) | 100055 | 4/5 | Fang, Juan | Intel |
| TGbe (Joint) | 116633 | 4/5 | Fang, Yonggang | Mediatek |
| TGbe (Joint) | 8114 | 4/5 | Fischer, Matthew | Broadcom Corporation |
| TGbe (Joint) | 169410 | 4/5 | Fujimori, Yuki | Canon Research Centre France |
| TGbe (Joint) | 116223 | 4/5 | Gu, Xiangxin | Unisoc |
| TGbe (Joint) | 148342 | 4/5 | Gupta, Binita | Meta Platforms, Inc. |
| TGbe (Joint) | 83911 | 4/5 | Handte, Thomas | Sony Corporation |
| TGbe (Joint) | 77458 | 4/5 | Huang, Po-Kai | Intel |
| TGbe (Joint) | 12865 | 4/5 | Kakani, Naveen | Qualcomm Incorporated |
| TGbe (Joint) | 109532 | 4/5 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbe (Joint) | 185857 | 4/5 | Kim, Geon Hwan | LG ELECTRONICS |
| TGbe (Joint) | 54245 | 4/5 | Kim, Jeongki | Ofinno |
| TGbe (Joint) | 55256 | 4/5 | Kim, Youhan | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 74993 | 4/5 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGbe (Joint) | 128277 | 4/5 | Koundourakis, Michail | Samsung Cambridge Solution Centre |
| TGbe (Joint) | 128973 | 4/5 | Kreishan, Loay | Charter Communications |
| TGbe (Joint) | 76516 | 4/5 | Lalam, Massinissa | SAGEMCOM BROADBAND SAS |
| TGbe (Joint) | 53490 | 4/5 | Lanante, Leonardo | Ofinno |
| TGbe (Joint) | 35373 | 4/5 | Lee, Wookbong | Apple Inc. |
| TGbe (Joint) | 65113 | 4/5 | Li, Weiyi | Spreadtrum |
| TGbe (Joint) | 143102 | 4/5 | Li, Yapu | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 72713 | 4/5 | Lim, Dong Guk | LG ELECTRONICS |
| TGbe (Joint) | 126156 | 4/5 | Lin, Zinan | InterDigital, Inc. |
| TGbe (Joint) | 109417 | 4/5 | Lorgeoux, Mikael | Canon Research Centre France |
| TGbe (Joint) | 107965 | 4/5 | Lou, Hanqing | InterDigital, Inc. |
| TGbe (Joint) | 98886 | 4/5 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 134452 | 4/5 | Ma, Yongsen | SAMSUNG ELECTRONICS |
| TGbe (Joint) | 171674 | 4/5 | MAO, ZHI | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 13492 | 4/5 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 131432 | 4/5 | Nayak, Peshal | Samsung Research America |
| TGbe (Joint) | 93668 | 4/5 | Ng, Boon Loong | Samsung Research America |
| TGbe (Joint) | 164905 | 4/5 | Park, Sungjin | Senscomm |
| TGbe (Joint) | 82004 | 4/5 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (Joint) | 94019 | 4/5 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbe (Joint) | 51587 | 4/5 | Petrick, Albert | InterDigital, Inc. |
| TGbe (Joint) | 179197 | 4/5 | Qi, Yue | Samsung Research America |
| TGbe (Joint) | 173487 | 4/5 | Quan, Yingqiao | Unisoc |
| TGbe (Joint) | 131430 | 4/5 | Ratnam, Vishnu | Samsung Research America |
| TGbe (Joint) | 136743 | 4/5 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (Joint) | 60570 | 4/5 | Schelstraete, Sigurd | MaxLinear |
| TGbe (Joint) | 91082 | 4/5 | Sevin, Julien | Canon Research Centre France |
| TGbe (Joint) | 124960 | 4/5 | Shafin, Rubayet | Samsung Research America |
| TGbe (Joint) | 66611 | 4/5 | SUH, JUNG HOON | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 72083 | 4/5 | Wang, Chao Chun | MediaTek Inc. |
| TGbe (Joint) | 55283 | 4/5 | Wei, Dong | NXP Semiconductors |
| TGbe (Joint) | 108593 | 4/5 | Wullert, John | Peraton Labs |
| TGbe (Joint) | 89721 | 4/5 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| TGbe (Joint) | 102774 | 4/5 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| TGbe (Joint) | 182012 | 4/5 | Yoon, Yelin | LG ELECTRONICS |
| TGbe (Joint) | 12710 | 4/5 | Zaman, Malia | IEEE Standards Association (IEEE-SA) |
| TGbe (Joint) | 195888 | 4/5 | Zhao, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 32987 | 4/5 | Zhou, Lei | H3C Technologies Co., Limited |

* **Announcements:** Please send an email to Matt to register the MAC ad hoc meeting in May.
* Agenda
  + CR Submissions:
    - 516r0 LB271 CR for 9 3 1 22 2 Yanjun Sun [11C]
  + MAC CR Submissions:
    - [329r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0329-00-00be-resolution-of-general-epcs-related-cids-lb271.docx) Resolution of General EPCS-Related CIDs John Wullert [18C]
    - [330r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0330-01-00be-resolution-of-epcs-related-cids-in-clause-35-16-lb271.docx) Resolution of EPCS-Related CIDs in Clause 35.16 John Wullert [18C]
    - [387r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0387-00-00be-lb271-cr-for-subclause-35-3-12-6.docx) LB271 CR for subclause 35.3.12.6 Ming Gan [8C]
  + Discussions
    - Doc. 558, 517 are added
  + Agenda approved with unanimous consent
* **Technical contributions**
  + 516r0 LB271 CR for 9 3 1 22 2 Yanjun Sun

Discussions: editorial changes

**SP:** Do you agree to resolve the following CIDs listed in 11-23/516r2 and incorporate the text changes into the latest TGbe draft?

         15899,17430,16248,16249,15900,17431,17432,17433,17434,17435,17436

Discussion: None.

Result: No objection

* + 558r2 LB 271 CR for 35.7.1 Zinan Lin

C: CID 17980, we talk about sounding sequence, instead of sounding mechanism.

C: CID 17272, “and/or” should be “or”

**SP:** Do you agree to resolve the following CIDs listed in 11-23/558r3 and incorporate the text changes into the latest TGbe draft?

         17041, 17271, 17980, 17042, 17272

Discussion: None.

Result: No objection

* + 517r0 LB271 CR for 9 3 1 22 3 Yanjun Sun

C: editorial suggestions.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0517r2 and incorporate the text changes into the latest TGbe draft?

         17903,17437,17438,17439,17440,17441,17442,16129,17443,17444,17445

Discussion: None.

Result: No objection

* + [329r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0329-00-00be-resolution-of-general-epcs-related-cids-lb271.docx) Resolution of General EPCS-Related CIDs John Wullert

C: editorial suggestions.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0329r1 and incorporate the text changes into the latest TGbe draft?

        15942, 15354, 15693, 15694, 16367, 17965, 17673, 15371, 15370, 17675, 17676, 17781, 17782, 15383, 15384, 15385, 15386

Discussion: None.

Result: No objection

* + [330r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0330-01-00be-resolution-of-epcs-related-cids-in-clause-35-16-lb271.docx) Resolution of EPCS-Related CIDs in Clause 35.16 John Wullert

C: CID 15426, it seems we don’t need the note since it is the AP’s choice on how to set the EDCA parameters and MU EDCA parameters. This CID is deferred after discussion. Same for 15425 and 15429.

C: defer 15427.

C: defer 15442.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0330r2 and incorporate the text changes into the latest TGbe draft?

         16702, 17371, 15428, 15430, 15431, 15432, 15584, 15433, 15434, 15435, 15436, 15441

Discussion: None.

Result: No objection

The chair asked if there’s any objection to add doc. 11-23/499 and 11-23/437 to the queue.

No objection.

* + Agenda discussion: doc. 387 is deferred to the next meeting. Doc. 499 and doc. 437 are added.
  + 499r1 LB271 CR CL9 CL35 MLTI editorial Minyoung Park

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/0499r1 and incorporate the text changes into the latest TGbe draft?

 16601 16822 16823 18276 16530 16825 16826 15086 16602 15826 17293

Discussion: None.

Result: No objection

* + 437r1

C: for the transition delay, it should apply to both the AP and non-AP

C: change “not” to “neither”

Unfinished contribution.

* AoB: None
* Recessed at 11:59

# 4th Conf. Call: April 06 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-05-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 5th Conf. Call: April 10 (19:00–21:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-05-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 5th Conf. Call: April 10 (19:00–21:00 ET)–PHY

* **Cancelled**

# 6th Conf. Call: April 12 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-05-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 7th Conf. Call: April 19 (10:00–12:00 ET)–JOINT

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order
* Jason Yuchen Guo (Huawei) is serving as the Secretary
* 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
* 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 “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “<Joint TGbe > 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)) and Alfred Asterjadhi ([asterjadhi@gmail.com](mailto:asterjadhi@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
  + Attendee List

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbe (Joint) | 4/19 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (Joint) | 4/19 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Bredewoud, Albert | Broadcom Corporation |
| TGbe (Joint) | 4/19 | Carney, William | Sony Group Corporation |
| TGbe (Joint) | 4/19 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 4/19 | Chiang, James | MediaTek Inc. |
| TGbe (Joint) | 4/19 | Chu, Liwen | NXP Semiconductors |
| TGbe (Joint) | 4/19 | CHUN, JINYOUNG | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Chung, Chulho | SAMSUNG |
| TGbe (Joint) | 4/19 | Coffey, John | Realtek Semiconductor Corp. |
| TGbe (Joint) | 4/19 | Das, Subir | Peraton Labs |
| TGbe (Joint) | 4/19 | Dong, Xiandong | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 4/19 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbe (Joint) | 4/19 | Fang, Yonggang | Mediatek |
| TGbe (Joint) | 4/19 | Fischer, Matthew | Broadcom Corporation |
| TGbe (Joint) | 4/19 | Guo, Yuchen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Gupta, Binita | Meta Platforms, Inc. |
| TGbe (Joint) | 4/19 | Haider, Muhammad Kumail | Meta Platforms Inc. |
| TGbe (Joint) | 4/19 | Handte, Thomas | Sony Corporation |
| TGbe (Joint) | 4/19 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (Joint) | 4/19 | Hu, Chunyu | Facebook |
| TGbe (Joint) | 4/19 | Jang, Insun | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Kakani, Naveen | Qualcomm Incorporated |
| TGbe (Joint) | 4/19 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbe (Joint) | 4/19 | Kim, Geon Hwan | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Kim, Myeong-Jin | SAMSUNG |
| TGbe (Joint) | 4/19 | Kim, Sanghyun | WILUS Inc |
| TGbe (Joint) | 4/19 | Kim, Youhan | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 4/19 | Kipness, Michael | IEEE Standards Association (IEEE SA) |
| TGbe (Joint) | 4/19 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGbe (Joint) | 4/19 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Koundourakis, Michail | Samsung Cambridge Solution Centre |
| TGbe (Joint) | 4/19 | Lalam, Massinissa | SAGEMCOM BROADBAND SAS |
| TGbe (Joint) | 4/19 | Li, Weiyi | Spreadtrum |
| TGbe (Joint) | 4/19 | Li, Yapu | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 4/19 | Lim, Dong Guk | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Lou, Hanqing | InterDigital, Inc. |
| TGbe (Joint) | 4/19 | Lu, kaiying | MediaTek Inc. |
| TGbe (Joint) | 4/19 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 4/19 | Luo, Yuanqiu | Futurewei Technologies |
| TGbe (Joint) | 4/19 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Nezou, Patrice | Canon Research Centre France |
| TGbe (Joint) | 4/19 | Ouchi, Masatomo | Canon |
| TGbe (Joint) | 4/19 | Palayur, Saju | Maxlinear Inc |
| TGbe (Joint) | 4/19 | Park, Eunsung | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Park, Minyoung | Intel |
| TGbe (Joint) | 4/19 | Park, Sungjin | Senscomm |
| TGbe (Joint) | 4/19 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (Joint) | 4/19 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbe (Joint) | 4/19 | Quan, Yingqiao | Unisoc |
| TGbe (Joint) | 4/19 | Ratnam, Vishnu | Samsung Research America |
| TGbe (Joint) | 4/19 | Redlich, Oded | Huawei Technologies Co., Ltd; Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (Joint) | 4/19 | Sato, Takuhiro | SHARP CORPORATION |
| TGbe (Joint) | 4/19 | Shilo, Shimi | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Stanley, Dorothy | Hewlett Packard Enterprise |
| TGbe (Joint) | 4/19 | SUH, JUNG HOON | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Taori, Rakesh | Infineon Technologies |
| TGbe (Joint) | 4/19 | Wang, Qi | Apple, Inc. |
| TGbe (Joint) | 4/19 | Wei, Dong | NXP Semiconductors |
| TGbe (Joint) | 4/19 | Wullert, John | Peraton Labs |
| TGbe (Joint) | 4/19 | Xin, Yan | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Yang, Jay | Nokia |
| TGbe (Joint) | 4/19 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| TGbe (Joint) | 4/19 | Yee, James | MediaTek Inc. |
| TGbe (Joint) | 4/19 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| TGbe (Joint) | 4/19 | Yoon, Yelin | LG ELECTRONICS |
| TGbe (Joint) | 4/19 | Yu, Jian | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Zhao, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 4/19 | Zhou, Pei | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |

* Announcements:
  + **Plan for aligning TGbe draft to REVme draft:**
    - TGbe editor incorporates editorial changes to align the drafts as per his review and prepare a preliminary draft that is to be shared with the review volunteers **(ETA May 12, 2023)**. These changes are expected to be included in D3.2 of TGbe.
      * If there are thecnical conflicts between TGbe draft and REVme draft, then the TGbe editor will add an *Editor’s Note* to TGbe D3.2 near the conflict to point out the inconsistency between the drafts.
    - Review volunteers (a call for volunteers was sent by the TGbe Editor in February 2023) to review the subclauses they volunteered and provide feedback regarding misalignments to the Editor by **May 31, 2023**)
    - TGbe is expected to discuss and solve any such technical conflicts, as part of CR process if a CID already exists or as a bug fix if a CID does not exist (tagged with *[#Fix]*).
  + **Call for assignees to ramp up LB271 comment resolutions:**
    - By end of April 2023 (MAC) assignees are expected to have resolved around 20% of the comments assigned to them, and the number jumps to 40% by the and of the planned May MAC ad-hoc.
      * If you are an assignee who has resolved less than 20% (40% after MAC Ad-hoc) of the comments assigned to you then please:
        + Prepare and upload CRs that solve enough CIDs to (at least) be in track with the expected CR trends (requests for addition to the agenda to be sent by the **end of April**, and upload of the doc **within a week of said request**), or
        + Coordinate with TGbe officers and TTT members to re-assign some CIDs to (TTT) members by end of April to align with the expected CR trend.
      * Otherwise, TGbe officers will initiate the proportional distribution of a subset of the CIDs to TTT members so that the CIDs assigned to assignees remains aligned to expected CR targets (plan is to initially focus on Top 20 assignees with limited number of resolved CIDs (see table above).
  + **Call for assignees to check on “comments presented and no consensus yet”**
    - There are currently 115 CIDs in this category (based on [272r15](https://mentor.ieee.org/802.11/dcn/23/11-23-0272-15-00be-ieee-802-11be-lb271-comments.xlsx)).
    - CIDs in that list, for which there has been no request for SP within two weeks after the presentation, have ended in quarantine.
      * Motions for quarantined CIDs (refer to *Item 10* of the [guidelines](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-15-00be-tgbe-teleconference-guidelines.docx)) are expected to be run during the May F2F meeting

Discussions:

Q: Is it OK to just submit a title before that date, and continue discussion with TTTs afterwards, and be ready when the contribution is on the agenda?

A: Yes, just send the Chair an email with the estimated time.

* Agenda
  + CR Submissions:
    - 603r0 CR for CID 17161 Hanqing Lou [1C-1GT]
    - 566r0 LB 271 CR for 35.7.4 and 35.7.5 Zinan Lin [5C-5GT]
    - 639r0 LB271 CRs for 35.7.2 Part 1a Rui Yang [3C-3GT]
    - 635r1 CR for Nominal Packet Padding Values Mengshi Hu [16C-15GT]
    - 306r0 CR for 35.5.2-part 1 Yanjun Sun [25C-19GT]
    - 518r0 LB271 CR for 9 3 1 22 4 Yanjun Sun [5C-4GT]
    - 519r0 LB271 CR for 9 3 1 22 5 Yanjun Sun [15C]
  + Motions (during second hour): [11-23/442r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-04-00be-tgbe-motions-list-part-4.pptx)
  + Discussions
    - Revision changes
    - Doc. 519r0 is removed on the fly since it has not been uploaded yet
  + Agenda approved with unanimous consent
* **Technical contributions**
  + 603r0 CR for CID 17161 Hanqing Lou

C: this has been discussed many times in TGm, OK with this resolution.

C: Edward will discuss this problem in the Editor’s meeting.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/603r1 and incorporate the text changes into the latest TGbe draft?

         17161

Discussion: None.

Result: No objection

* + 566r0 LB 271 CR for 35.7.4 and 35.7.5 Zinan Lin

C: agree with the comment that “contained in a single PPDU” is redundant.

C: suggest to delete “sent in an A-MPDU”

C: keeping the current version is also OK.

C: 17077, there’s another “indicates” where you need to remove the “s”

C: “Feedback Type and Ng Codebook …” should be “Feedback Type And Ng and Codebook …”

C: do not need to change the second indicates, oops, the commenter made a mistake, it should be “indicate”

C: to confirm, you are not touching clause 26, right?

A: right.

C: last sentence, change to “the transmitter of the NDP is the same STA that transmits the preceding NDPA…”

C: “is (are)” can be changed to “are”.

C: suggest to change the sentence, to speak it in the reverse way.

C: the chair suggest to submit a comment in the next round to align the language for 11ax and 11ac.

C: the TGm is the right group to do this kind of editorial alignment. It’s not the job of TGbe.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/566r2 and incorporate the text changes into the latest TGbe draft?

         17075, 17076, 17077, 17252, 17253

Discussion: None.

Result: No objection

* + Agenda discussion

The chair asked if there’s any objection to move the rest CR documents after the motions.

No objection.

* + Motions (during second hour): [11-23/442r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-04-00be-tgbe-motions-list-part-4.pptx)

**Motion 538 (MAC)**

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

* 15524, 15526, 15599, 15823, 15847, 16009, 16010, 16112, 16503, 16505, 16507, 17828, 17944, 18142 in [11-23/501r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0501-03-00be-lb271-cr-for-35-3-7-1-7-part-i.docx) *[14 CIDs]*
* 15889, 17004, 17005, 15125, 15419, 15602 in [11-23/308r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0308-01-00be-lb271-cr-35-4-2.docx) & 16576, 15111, 15650, 15891, 17906 in [11-23/363r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0363-02-00be-cr-for-lb271-cids-part2.docx) *[11 CIDs]*
* 15247, 15252, 17027, 17028, 17235 in [11-23/443r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0443-01-00be-lb271-cr-for-35-5-2-3-3.docx) & 18067 in [11-23/335r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0335-04-00be-cr-for-4-5-3-and-11-3.docx) & 17892 in [11-23/323r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0323-05-00be-cr-for-35-3-5.docx) *[7 CIDs]*
* 17306, 17381, 17382, 17383, 17384, 17385, 17386, 18052 in [11-23/457r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0457-02-00be-lb271-cr-for-9-2-4-7-1-trs-control-field.docx) & 17538, 15928, 16435 in [11-23/354r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0354-03-00be-cr-for-some-clauses-in-9-4.docx) & 16558, 15624, 17865, 15648, 16937, 15625, 16938, 15829, 16939 in [11-23/310r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0310-02-00be-lb271-cr-35-3-18-part-1.docx) & 16233, 16251, 16252 in [11-23/545r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0545-00-00be-lb271-clause-6-and-clause-10-resolutions.docx) [23 CIDs]
* 15075, 15077, 15563, 15645, 16055, 16675, 16555, 16469, 15109, 16917, 15562, 15591, 15884, 16259, 15590, 15592, 16554, 16918, 16232, 15483, 15112, 16616, 16919, 15885, 15080, 16056, 15076, 16260, 16556, 16920, 16921, 16557, 16617, 15078, 16470, 18059 in [11-23/340r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0340-05-00be-lb271-cr-cl35-emlsr.docx)\* *[36 CIDs]*

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

**Move: Stephen McCann Second: Edward Au**

**Discussion: None.**

**Result: Approved with unanimous consent.**

***\*changes related to “(s)” for multiple links are not part of the motioned text.***

***Note: These are comment resolution documents that obtained ≥ 75% support during the straw poll phase of the MAC ad-hoc conf calls of March 27 and 29, 2023.***

**Motion 539 (Joint)**

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

* 15899, 17430, 16248, 16249, 15900, 17431, 17432, 17433, 17434, 17435, 17436 in [11-23/516r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0516-02-00be-lb271-cr-for-9-3-1-22-2.docx) *[14 CIDs]*
* 17041, 17271, 17980, 17042, 17272 in [11-23/558r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0558-03-00be-lb-271-cr-for-35-7-1.docx) *[5 CIDs]*
* 17903, 17437, 17438, 17439, 17440, 17441, 17442, 16129, 17443, 17444, 17445 in [11-23/517r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0517-02-00be-lb271-cr-for-9-3-1-22-3.docx) *[11 CIDs]*
* 15942, 15354, 15693, 15694, 16367, 17965, 17673, 15371, 15370, 17675, 17676, 17781, 17782, 15383, 15384, 15385, 15386 in [11-23/329r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0329-01-00be-resolution-of-general-epcs-related-cids-lb271.docx) *[17 CIDs]*
* 16702, 17371, 15428, 15430, 15431, 15432, 15584, 15433, 15434, 15435, 15436, 15441 in [11-23/330r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0330-02-00be-resolution-of-epcs-related-cids-in-clause-35-16-lb271.docx) *[12 CIDs]*
* 15089, 16475, 16476, 17909, 17744, 15092, 17746, 16820, 16599, 16600, 16601, 16822, 16823, 18276, 16530, 16825, 16826, 15086, 16602, 15826, 17293 in [11-23/499r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0499-01-00be-lb271-cr-cl9-cl35-mlti-editorial.docx) *[21 CIDs]*

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

**Move: John Wullert Second: Ross Jian Yu**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 540 (MAC)**

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

* 16923, 16924, 16927, 15886, 16929, 16930, 16931, 17857, 16926, 15026, 16680, 16620, 16679, 16621, 16932, 15105, 16925, 18058, 15622, 15230, 15618, 15730, 16922, 15621, 15061, 15451, 15611, 16933, 16934 in [11-23/437r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0437-03-00be-lb271-cr-cl35-emlsr-part2.docx) *[29 CIDs]*
* 16828, 15056, 16603, 16604, 17962, 16605, 16606 in [11-23/387r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0387-01-00be-lb271-cr-for-subclause-35-3-12-6.docx) *[7 CIDs]*
* 15083, 16040, 15544, 16528, 16529, 17745, 15091, 17740, 15376, 17741, 16531, 17292, 18267, 15545, 16532, 16533, 16534 in [11-23/504r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0504-01-00be-lb271-cr-cl35-mlti-part1.docx) *[17 CIDs]*
* 16228, 16213, 16214, 16229, 16230,16254 in [11-23/546r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0546-05-00be-lb271-clause-35-3-16-8-3-resolutions.docx) *[6 CIDs]*

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

**Move: Minyoung Park Second: Stephen McCann**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 541 (Withdrawal)**

**Move to approve “Rejected” resolutions to the CIDs:**

* 16710, 15424 *[2 CIDs]*

**With the following rejection reason: “The commenter has withdrawn the comment”.**

**Move: John Wullert Second: Edward Au**

**Discussion: None.**

**Result: Approved with unanimous consent.**

**Motion 542 (PHY-ERRATA)**

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

* + 15323 in [11-23/429r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0429-03-00be-lb271-comment-resolution-on-36-1-1-eht-phy-introduction-section.docx)and classify 15232 as unresolved *[2 CIDs]*

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

**Move: Edward Au Second: Rui Yang**

**Discussion: None.**

**Result: Approved with unanimous consent.**

Note: CR for 15323 obtained majority support during the SP phase, however the CID list that was included in the SP/motion was incorrect. This motion fixes the issue by points to the correct CR for the specific CID and releases CID 15232 which is still to be resolved.

* + 639r1 LB271 CRs for 35.7.2 Part 1a Rui Yang

C: Is there a prevention that a STA is 160MHz capable, but not 80MHz capable?

C: CID 17045, suggest to move the change before the “of”

**SP:** Do you agree to resolve the following CIDs listed in 11-23/639r2 and incorporate the text changes into the latest TGbe draft?

         17043, 17044, 17045

Discussion: None.

Result: No objection

* + 635r3 CR for Nominal Packet Padding Values Mengshi Hu

C: Why are we removing “(Nss <= 8)”

A: because it is always the case, so no need to mention.

C: for a set, need to change [] to {}.

**SP:** Do you agree to resolve the following CIDs listed in 11-23/635r4 and incorporate the text changes into the latest TGbe draft?

         15215, 15216, 15217, 15265, 15266, 15267, 15270, 15271, 15273, 15274, 17111, 17112, 17113, 17114, 17115, 17116

Discussion: None.

Result: No objection

* + 306r0 CR for 35.5.2-part 1 Yanjun Sun

C: CID 17012, why do you delete all these lines?

A: because the sentence is about eMLSR where this subclause is about eMLMR.

C: in the note, why can’t the padding be used for other PPDU other than the non-HT and non-HT dup PPDUs?

C: CID 15763, we need to keep this sentence since there’s no other place saying this.

C: CID 15252, the original text is correct since it is for TRS.

Unfinished contribution.

* AoB: None
* Recessed at 11:59

# 8th Conf. Call: April 20 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-05-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 9th Conf. Call: April 24 (19:00–21:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-09-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 9th Conf. Call: April 24 (19:00–21:00 ET)–PHY

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0715-01-00be-minutes-tgbe-phy-ad-hoc-march-to-may-conference-calls.docx

# 10th Conf. Call: April 26 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-09-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# 11th Conf. Call: May 04 (10:00–12:00 ET)–MAC

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0543-09-00be-minutes-for-tgbe-mac-ad-hoc-teleconferences-in-march-to-may-2023.docx

# TGbe May 2023 MAC ad-hoc meetings

Please refer to the following link for the minutes

* https://mentor.ieee.org/802.11/dcn/23/11-23-0817-02-00be-minutes-for-tgbe-mac-ad-hoc-meeting-in-may-2023.docx