IEEE P802.11
Wireless LANs

|  |
| --- |
| TGbe May July Teleconference Minutes |
| Date: 2024-06-12 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jason Yuchen Guo | Huawei |  |  | guoyuchen@huawei.com |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This document contains the minutes for the IEEE 802.11 TGbe teleconferences from May 2024 to July 2024.

Revision history:

* Rev0: initial version of the document
* Rev1: add the minutes for the June 19 Joint session.
* Rev2: add the attendee lists for the June 12 and June 19 Joint sessions
* Rev3: add the minutes for the July 3 Joint session.
* Rev4: add he attendee lists for the July 3 Joint session

Abbreviations:

* C: Comment.
* A: Answer.

# 1st Conf. Call: June 12 (10:00–12:00 ET)–JOINT

* Call the meeting to order
* 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); 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) and Alfred Asterjadhi (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) | 6/12 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGbe (Joint) | 6/12 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Bahn, Christy | IEEE STAFF |
| TGbe (Joint) | 6/12 | baron, stephane | Canon Research Centre France |
| TGbe (Joint) | 6/12 | Bredewoud, Albert | Broadcom Corporation |
| TGbe (Joint) | 6/12 | Carney, William | Sony Group Corporation |
| TGbe (Joint) | 6/12 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 6/12 | Chisci, Giovanni | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/12 | Chu, Liwen | NXP Semiconductors |
| TGbe (Joint) | 6/12 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbe (Joint) | 6/12 | Fang, Juan | Intel |
| TGbe (Joint) | 6/12 | Fang, Yonggang | Mediatek |
| TGbe (Joint) | 6/12 | Fischer, Matthew | Broadcom Corporation |
| TGbe (Joint) | 6/12 | Guo, Yuchen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Gupta, Binita | Cisco Systems, Inc. |
| TGbe (Joint) | 6/12 | Hart, Brian | Cisco Systems, Inc. |
| TGbe (Joint) | 6/12 | Hasabelnaby, Mahmoud | Huawei Technologies Canada; Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (Joint) | 6/12 | Hu, Chunyu | Spreadtrum Communications USA |
| TGbe (Joint) | 6/12 | Huang, Po-Kai | Intel |
| TGbe (Joint) | 6/12 | Jang, Insun | LG ELECTRONICS |
| TGbe (Joint) | 6/12 | Kakani, Naveen | Qualcomm Incorporated |
| TGbe (Joint) | 6/12 | Kalamkar, Sanket | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/12 | Kandala, Srinivas | SAMSUNG |
| TGbe (Joint) | 6/12 | Lee, Gwangho | Korea National University of Transportation |
| TGbe (Joint) | 6/12 | Li, Weiyi | Spreadtrum Communication USA, Inc |
| TGbe (Joint) | 6/12 | Lorgeoux, Mikael | Canon Research Centre France |
| TGbe (Joint) | 6/12 | Lou, Hanqing | InterDigital, Inc. |
| TGbe (Joint) | 6/12 | Magrin, Davide | Meta Platforms Inc. |
| TGbe (Joint) | 6/12 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Mohanty, Shantidev | Self Employed |
| TGbe (Joint) | 6/12 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Naik, Gaurang | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/12 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (Joint) | 6/12 | Quan, Yingqiao | Spreadtrum |
| TGbe (Joint) | 6/12 | Ratnam, Vishnu | Samsung Research America |
| TGbe (Joint) | 6/12 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 6/12 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (Joint) | 6/12 | Shafin, Rubayet | Samsung Research America |
| TGbe (Joint) | 6/12 | Shi, Zhenpeng | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Wang, Xiaofei | InterDigital, Inc. |
| TGbe (Joint) | 6/12 | Wei, Dong | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 6/12 | Wullert, John | Peraton Labs |
| TGbe (Joint) | 6/12 | Xiao, Tong | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 6/12 | Xu, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/12 | Yang, Jay | ZTE Corporation |
| TGbe (Joint) | 6/12 | Yee, James | MediaTek Inc. |
| TGbe (Joint) | 6/12 | Zhao, Yue | Huawei Technologies Co., Ltd |

* Announcements:
	+ The 1st recirculation SA ballot for P802.11be closed on May 31st, 2024, with an approval rate of 92%. A total of 180 comments were received with 114 comments tagged as “Must Be Satisfied”. First categorization: 27E, 5G, 140T: Second categorization: 19 PHY, 13 Joint, 148 MAC.
	+ In order to address comments in a more efficient manner the plan is to switch one of the conf calls from Joint to PHY/MAC (likely June 26th, 2024, conf call).
	+ Target is to resolve all comments by July F2F the latest.
* Agenda
	+ TGbe Editor’s Report: [11-24/1003r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1003-01-00be-tgbe-editor-s-report-on-recirculation-sa-ballot.pptx)
	+ Review/confirm latest POC assignments:[11-24/994r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0994-01-00be-ieee-802-11be-recirculation-sa-ballot-comment.xlsx) and Action Items (AIs) for POCs
	+ CR Submissions
		- [24/991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-02-00be-cr-for-miscellaneous-cids.docx)r2 CR for Miscellaneous CIDs Po-Kai Huang [30 CIDs]
	+ Discussion:
		- None
	+ The agenda is approved with unanimous consent.
* TGbe Editor’s Report: [11-24/1003r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1003-01-00be-tgbe-editor-s-report-on-recirculation-sa-ballot.pptx)

The editor quickly went through the status and the distribution of the 180 coments received for the 1st recirculation SA ballot.

 Discussion: None.

* Review/confirm latest POC assignments:[11-24/994r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0994-01-00be-ieee-802-11be-recirculation-sa-ballot-comment.xlsx) and Action Items (AIs) for POCs

The chair went through the comment assignment table, and confirm with each of the POCs. For the POCs that are absent, the chair will ping them individually for the DCNs and expected date of presentation.

* **CR Submissions**
	+ [24/991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-02-00be-cr-for-miscellaneous-cids.docx)r2 CR for Miscellaneous CIDs Po-Kai Huang

C: CID 23115, in the resolution column, remove “encourage to submit the comment to Revme”, just say it’s out of scope. i.e., it is not on changed text, text affected by changed text or text that is the target of an existing valid unsatisfied comment.

C: CID 23119, if you add the subclause to clause 35, it only applies to EHT STAs, but shouldn’t it be more general?

C: the reason for putting this statement in 9.1 is we need the shall requirement.

C: CID 23080, OK with the rejection, we anyway need to address the issue in TGmf for all other places.

C: CID 23031, suggest to remove “but not limited to”.

C: suggest to remove all the examples to avoid people bring up other examples.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/0991r3 and incorporate the text changes into the latest TGbe draft?

         23112, 23113, 23114, 23115, 23107, 23111, 23106, 23110, 23033, 23036, 23083, 23119, 23014, 23015, 23080, 23081, 23082, 23004, 23003, 23037, 23174, 23104, 23139, 23140, 23120, 23123, 23039, 23040

Discussion: None.

Result: No objection.

* AoB: None
* Adjourned at 11:57

# 2nd Conf. Call: June 19 (10:00–12:00 ET)–JOINT

* Call the meeting to order
* 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); 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) and Alfred Asterjadhi (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) | 6/19 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGbe (Joint) | 6/19 | baron, stephane | Canon Research Centre France |
| TGbe (Joint) | 6/19 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 6/19 | Chisci, Giovanni | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/19 | Chu, Liwen | NXP Semiconductors |
| TGbe (Joint) | 6/19 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbe (Joint) | 6/19 | Fang, Yonggang | Mediatek |
| TGbe (Joint) | 6/19 | Guo, Yuchen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Gupta, Binita | Cisco Systems, Inc. |
| TGbe (Joint) | 6/19 | Hasabelnaby, Mahmoud | Huawei Technologies Canada; Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Helwa, Sherief | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/19 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (Joint) | 6/19 | Jang, Insun | LG ELECTRONICS |
| TGbe (Joint) | 6/19 | Kakani, Naveen | Qualcomm Incorporated |
| TGbe (Joint) | 6/19 | Kim, Jeongki | Ofinno |
| TGbe (Joint) | 6/19 | Kim, Youhan | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 6/19 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Lee, Gwangho | Korea National University of Transportation |
| TGbe (Joint) | 6/19 | Levy, Joseph | InterDigital, Inc. |
| TGbe (Joint) | 6/19 | Li, Weiyi | Spreadtrum Communication USA, Inc |
| TGbe (Joint) | 6/19 | Lim, Dong Guk | LG ELECTRONICS |
| TGbe (Joint) | 6/19 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Naik, Gaurang | Qualcomm Technologies, Inc |
| TGbe (Joint) | 6/19 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (Joint) | 6/19 | Quan, Yingqiao | Spreadtrum |
| TGbe (Joint) | 6/19 | Ratnam, Vishnu | Samsung Research America |
| TGbe (Joint) | 6/19 | Shi, Zhenpeng | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Wang, Qi | Apple Inc. |
| TGbe (Joint) | 6/19 | Wei, Dong | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 6/19 | Wullert, John | Peraton Labs |
| TGbe (Joint) | 6/19 | Xiao, Tong | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 6/19 | Xu, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Yang, Haorui | China Mobile |
| TGbe (Joint) | 6/19 | Yu, Jian | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 6/19 | Zhao, Yue | Huawei Technologies Co., Ltd |

* Agenda
	+ CR Submissions
		- [24/0991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-04-00be-cr-for-miscellaneous-cids.docx) CR for Miscellaneous CIDs Po-Kai Huang [3C SP]
		- [24/1004](https://mentor.ieee.org/802.11/dcn/24/11-24-1004-00-00be-tgbe-sa2-security-comment-resolutions.docx) TGbe SA2 Security Comment Resolutions Mike Montemurro 13
		- [24/1022](https://mentor.ieee.org/802.11/dcn/24/11-24-1022-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Duncan Ho 6 [5GT]
		- [24/1018](https://mentor.ieee.org/802.11/dcn/24/11-24-1018-00-00be-resolution-for-cids-assigned-to-abhi-sa-ballot-on-d6-0.docx) Res. for CIDs assigned to Abhi Abhishek Patil 6
		- [24/1032](https://mentor.ieee.org/802.11/dcn/24/11-24-1032-00-00be-11be-d6-0-miscellaneous-cids.docx) 11be D6.0 Miscellaneous CIDs Liwen Chu 2 [1GT]
		- [24/1036](https://mentor.ieee.org/802.11/dcn/24/11-24-1036-00-00be-cr-for-cids-on-mlo.docx) CR for CIDs on MLO Giovanni Chisci 2 [2GT]
		- [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-00-00be-recirc-sa-cr-for-misc-cids.docx) Recirc SA-CR for Misc CIDs Alfred Asterjadhi 2 [2GT]
		- [24/1024](https://mentor.ieee.org/802.11/dcn/24/11-24-1024-00-00be-cr-for-some-sa2-cids.docx) CR-for-some-SA2-CIDs Stephen McCann 2
		- [24/1012](https://mentor.ieee.org/802.11/dcn/24/11-24-1012-00-00be-recirculation-sa-ballot-issue-on-emlsr-and-txs-cid-23167.docx) Recirc. SA Ballot Issue on EMLSR and TXS (CID 23167) Juseong Moon 1
		- [24/1040](https://mentor.ieee.org/802.11/dcn/24/11-24-1040-00-00be-d6-0-cr-for-miscellaneous-cids.docx) D6.0 CR for miscellaneous CIDs Yunbo Li 6
	+ Discussion:
		- None
	+ The agenda is approved with unanimous consent.
* **CR Submissions**
	+ [24/0991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-04-00be-cr-for-miscellaneous-cids.docx)r4 CR for Miscellaneous CIDs Po-Kai Huang

C: CID 23044, using “association and ML setup” is confusing.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/0991r5 and incorporate the text changes into the latest TGbe draft?

         23031, 23018

Discussion: None.

Result: No objection.

* + [24/1004](https://mentor.ieee.org/802.11/dcn/24/11-24-1004-00-00be-tgbe-sa2-security-comment-resolutions.docx)r0 TGbe SA2 Security Comment Resolutions Mike Montemurro

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1004r0 and incorporate the text changes into the latest TGbe draft?

         23143, 23144, 23078, 23079, 23105, 23077, 23075, 23169, 23047, 23076

Discussion: None.

Result: No objection.

* + [24/1022](https://mentor.ieee.org/802.11/dcn/24/11-24-1022-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Duncan Ho

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1022r0 and incorporate the text changes into the latest TGbe draft?

         23005, 23009, 23108, 23151, 23152, 23153

Discussion: None.

Result: No objection.

* + [24/1018](https://mentor.ieee.org/802.11/dcn/24/11-24-1018-00-00be-resolution-for-cids-assigned-to-abhi-sa-ballot-on-d6-0.docx) Res. for CIDs assigned to Abhi Abhishek Patil

C: I don’t see any issue of “as defined”, or we can use “as described”.

C: “by the MLD with whom the transmitting STA is affiliated” is awkward.

C: request to defer CID 23007 and “bug fix” since there are a lot of text changes.

C: usually, after an amendment is published, we shouldn’t change the field name.

C: need to have discussion in the Editor’s meeting regarding the naming change of the Nontransmitted BSSID Capability field

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1018r2 and incorporate the text changes into the latest TGbe draft?

         23101 23127 23128 23034 23086

Discussion: None.

Result: No objection.

* + [24/1032](https://mentor.ieee.org/802.11/dcn/24/11-24-1032-00-00be-11be-d6-0-miscellaneous-cids.docx) 11be D6.0 Miscellaneous CIDs Liwen Chu

C: editorial suggestions on the resolution collum.

C: OK to reject the second comment, the current definition does not have any requirement for eMLMR operations.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1032r2 and incorporate the text changes into the latest TGbe draft?

         23035, 23134

Discussion: None.

Result: No objection.

* + [24/1036](https://mentor.ieee.org/802.11/dcn/24/11-24-1036-00-00be-cr-for-cids-on-mlo.docx) CR for CIDs on MLO Giovanni Chisci

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1036r2 and incorporate the text changes into the latest TGbe draft?

         23030, 23087

Discussion: None.

Result: No objection.

* + [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-00-00be-recirc-sa-cr-for-misc-cids.docx) Recirc SA-CR for Misc CIDs Alfred Asterjadhi

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1019r0 and incorporate the text changes into the latest TGbe draft?

         23103, 23177

Discussion: None.

Result: No objection.

* + [24/1024](https://mentor.ieee.org/802.11/dcn/24/11-24-1024-00-00be-cr-for-some-sa2-cids.docx) CR-for-some-SA2-CIDs Stephen McCann

Discussion: None.

**SP:** Do you agree to resolve the following CIDs listed in 11-24/1024r0 and incorporate the text changes into the latest TGbe draft?

         23116, 23117

Discussion: None.

Result: No objection.

* + [24/1040](https://mentor.ieee.org/802.11/dcn/24/11-24-1040-00-00be-d6-0-cr-for-miscellaneous-cids.docx) D6.0 CR for miscellaneous CIDs Yunbo Li

C: missing one place of “HE TB PPDU or EHT TB PPDU”

C: keeping the way it is is fine.

Unfinished document.

* AoB: None
* Adjourned at 12:00

# 3rd Conf. Call: June 26 (10:00–12:00 ET)–PHY

To be added

# 3rd Conf. Call: June 26 (10:00–12:00 ET)–MAC

To be added

# 4th Conf. Call: July 03 (10:00–12:00 ET)–JOINT

* Call the meeting to order
* 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); 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) and Alfred Asterjadhi (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) | 7/3 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Bredewoud, Albert | Broadcom Corporation |
| TGbe (Joint) | 7/3 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 7/3 | Choi, Jinsoo | LG ELECTRONICS |
| TGbe (Joint) | 7/3 | Chu, Liwen | NXP Semiconductors |
| TGbe (Joint) | 7/3 | Chung, Chulho | SAMSUNG |
| TGbe (Joint) | 7/3 | Das, Subir | Peraton Labs |
| TGbe (Joint) | 7/3 | Fan, Shuang | Sanechips Technology Co., Ltd. |
| TGbe (Joint) | 7/3 | Fang, Juan | Intel |
| TGbe (Joint) | 7/3 | Gupta, Binita | Cisco Systems, Inc. |
| TGbe (Joint) | 7/3 | Hamilton, Mark | Ruckus/CommScope |
| TGbe (Joint) | 7/3 | Hart, Brian | Cisco Systems, Inc. |
| TGbe (Joint) | 7/3 | Hasabelnaby, Mahmoud | Huawei Technologies Canada; Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (Joint) | 7/3 | Huang, Po-Kai | Intel |
| TGbe (Joint) | 7/3 | Jang, Insun | LG ELECTRONICS |
| TGbe (Joint) | 7/3 | Kakani, Naveen | Qualcomm Incorporated |
| TGbe (Joint) | 7/3 | Kalamkar, Sanket | Qualcomm Technologies, Inc |
| TGbe (Joint) | 7/3 | Kim, Youhan | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 7/3 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Li, Weiyi | Spreadtrum Communication USA, Inc |
| TGbe (Joint) | 7/3 | Lim, Dong Guk | LG ELECTRONICS |
| TGbe (Joint) | 7/3 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Mohanty, Shantidev | Self Employed |
| TGbe (Joint) | 7/3 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (Joint) | 7/3 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbe (Joint) | 7/3 | Petrick, Albert | InterDigital, Inc. |
| TGbe (Joint) | 7/3 | Quan, Yingqiao | Spreadtrum |
| TGbe (Joint) | 7/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGbe (Joint) | 7/3 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (Joint) | 7/3 | Shi, Zhenpeng | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | VIGER, Pascal | Canon Research Centre France |
| TGbe (Joint) | 7/3 | Wang, Qi | Apple Inc. |
| TGbe (Joint) | 7/3 | Wei, Dong | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (Joint) | 7/3 | Wullert, John | Peraton Labs |
| TGbe (Joint) | 7/3 | Xiao, Tong | Xiaomi Communications Co., Ltd. |
| TGbe (Joint) | 7/3 | Xu, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Yang, Jay | ZTE Corporation |
| TGbe (Joint) | 7/3 | YANG, RUI | InterDigital, Inc. |
| TGbe (Joint) | 7/3 | Yee, James | MediaTek Inc. |
| TGbe (Joint) | 7/3 | Zhang, Maolin | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Zhao, Yue | Huawei Technologies Co., Ltd |
| TGbe (Joint) | 7/3 | Zhou, Lei | H3C Technologies Co., Limited |

* Announcements: Reminder for the action items (**AI**) announced to the TGbe reflector:
	+ - 1) There are a couple submissions that have not been posted yet. **AI for Authors**: Please consider uploading the submissions as soon as possible so that we can green tag certain CIDs, as per guidelines. **AI for All**: please consider reviewing these documents in advance so that we optimize the time during the telco itself.
		- 2) We plan to run motions (starting from slide 211 in 11-23/442r53) on CRs that have been presented so far and have had no objections. **AI for All**: Please review the documents one more time to make sure that everything is in order. We hope that the next recirc SA ballot leads to an unchanged draft, and as such it is ever so important to ensure correctness of the resolutions.
		- 3) We have another TGbe Joint conf call on July 10th so that we can complete going over documents that might spill over from the July 3rd conf call. **Please use AIs** of 1) and 2) for these remaining submissions.
* Agenda
	+ CR Submissions
		- [24/1006](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-01-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) Recycle-SA-for-CIDs-in-subcaluse12.2.12 Jay Yang
		- [24/1051](https://mentor.ieee.org/802.11/dcn/24/11-24-1051-00-00be-resolutions-for-cids-assigned-to-sanket-sa-ballot-on-d6-0.docx) Resolutions for CIDs assigned to Sanket Sanket Kalamkar
		- [24/1043](https://mentor.ieee.org/802.11/dcn/24/11-24-1043-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25-part-2.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Part 2 Duncan Ho
		- [24/1029](https://mentor.ieee.org/802.11/dcn/24/11-24-1029-00-00be-recirculation-sa-ballot-cr-for-9-6-13-9.docx) Recirculation SA Ballot: CR for 9.6.13.9 Arik Klein
		- [24/1030](https://mentor.ieee.org/802.11/dcn/24/11-24-1030-00-00be-recirculation-sa-ballot-cr-for-35-3-7-5.docx) Recirculation SA Ballot: CR for 35.3.7.5 Arik Klein
		- [24/1061](https://mentor.ieee.org/802.11/dcn/24/11-24-1061-00-00be-recirc-sab-cr-on-misc-cids.docx) Recirc SAB CR on Misc CIDs Rubayet Shafin
		- [24/1060](https://mentor.ieee.org/802.11/dcn/24/11-24-1060-00-00be-recirc-sab-cr-on-twt.docx) Recirc SAB CR on TWT Rubayet Shafin
		- [24/1012](https://mentor.ieee.org/802.11/dcn/24/11-24-1012-04-00be-recirculation-sa-ballot-issue-on-emlsr-and-txs-cid-23167.docx) Recirc. SAB Issue on EMLSR and TXS (CID 23167) Juseong Moon
		- [24/1048](https://mentor.ieee.org/802.11/dcn/24/11-24-1048-00-00be-recirc-sa-cr-emlsr.docx) Recirc SA CR eMLSR Minyoung Park
		- [24/1044](https://mentor.ieee.org/802.11/dcn/24/11-24-1044-00-00be-sa-ballot-on-d6-0-cr-for-str.docx) SA ballot on D6.0: CR for STR Insun Jang
		- [24/1007](https://mentor.ieee.org/802.11/dcn/24/11-24-1007-00-00be-cr-for-cid-23173.docx) CR for CID 23137 Xiaofei Wang
		- [24/1033](https://mentor.ieee.org/802.11/dcn/24/11-24-1033-00-00be-correction-to-tgbe-fig-7-2.docx) Correction to TGbe Fig 7-2 Mark Hamilton
		- [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-01-00be-recirc-sa-cr-for-misc-cids.docx) Recirc SA-CR for Misc CIDs Alfred Asterjadhi
		- 24/1067 Recirculation-SA-Ballot-CR-for-MLO Ming Gan
		- 24/1020 CR for R-TWT CIDs Kumail Haider
		- Other Deferred SPs
	+ Motions: [24/442r53](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-53-00be-tgbe-motions-list-part-4.pptx)
	+ Discussion:
		- Doc. 1067 is deferred to July 10.
		- The chair will follow up offline with Kumail to check the status of doc. 1020
	+ The agenda is approved with unanimous consent.
* **CR Submissions**
	+ [24/1006](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-01-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) Recycle-SA-for-CIDs-in-subcaluse12.2.12 Jay Yang

Discussion: None.

The chair asked if there’s any objection to add the following CIDs in doc 11-24/1006r1 to the motion.

         23178 , 23179

No objection.

* + [24/1051](https://mentor.ieee.org/802.11/dcn/24/11-24-1051-00-00be-resolutions-for-cids-assigned-to-sanket-sa-ballot-on-d6-0.docx) Resolutions for CIDs assigned to Sanket Sanket Kalamkar

C: suggest to add a note to clarify the group addressed traffic.

C: defer CID 23012 to have more offline discussion with Binita.

C: defer CID 23013 and 23146, 23147, 23148

C: CID 23155, good with the changes, but don’t agree with the point 1 and point 2 in the resolution column.

C: Defer CID 23158, 23159, 23161

The chair asked if there’s any objection to add the following CIDs in doc 11-24/1051r2 to the motion.

         23155, 23156, 23157, 23162, 23166

No objection.

* + [24/1043](https://mentor.ieee.org/802.11/dcn/24/11-24-1043-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25-part-2.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Part 2 Duncan Ho

C: Defer CID 23002.

C: would it cause interoperate issue?

C: defer CID 23041, 23160.

* + [24/1029](https://mentor.ieee.org/802.11/dcn/24/11-24-1029-00-00be-recirculation-sa-ballot-cr-for-9-6-13-9.docx) Recirculation SA Ballot: CR for 9.6.13.9 Arik Klein

C: what’s the reason for making the changes

C: to simplify the text.

C: this kind of changes aligns with what we have in the baseline.

The SP is deferred to the next meeting let members have more time to review.

* + [24/1030](https://mentor.ieee.org/802.11/dcn/24/11-24-1030-00-00be-recirculation-sa-ballot-cr-for-35-3-7-5.docx) Recirculation SA Ballot: CR for 35.3.7.5 Arik Klein

Discussion: None.

The chair is going to add the following CIDs in doc 11-24/1030r1 to the motion.

         23045, 23046, 23175

* + [24/1061](https://mentor.ieee.org/802.11/dcn/24/11-24-1061-00-00be-recirc-sab-cr-on-misc-cids.docx) Recirc SAB CR on Misc CIDs Rubayet Shafin

C: the intent of the comment is not to add a new field, just ask for clarification. Defer CID 23085.

The chair is going to add the following CIDs in doc 11-24/1061r0 to the motion.

         23026, 23027, 23042

* + [24/1060](https://mentor.ieee.org/802.11/dcn/24/11-24-1060-00-00be-recirc-sab-cr-on-twt.docx) Recirc SAB CR on TWT Rubayet Shafin

Discussion: None.

The chair is going to add the following CIDs in doc 11-24/1060r0 to the motion.

         23025, 23028, 23029

* + Motions: [24/442r53](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-53-00be-tgbe-motions-list-part-4.pptx)

**Motion 684 (Joint)**

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

* 23112, 23113, 23114, 23115, 23107, 23111, 23106, 23110, 23033, 23036, 23083, 23119, 23014, 23015, 23080, 23081, 23082, 23004, 23003, 23037, 23174, 23104, 23139, 23140, 23120, 23123, 23039, 23040 in [11-24/0991r3](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-03-00be-cr-for-miscellaneous-cids.docx) *[28 CIDs]*

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

**Move: Stephen McCann Second: John Wullert**

**Discussion: None.**

**Result: Approved with unanimous consent.**

***Note: These are CR docs that obtained ≥ 75% support during the straw poll phase of the Joint telco of June 12th, 2024.***

**Motion 685 (Joint)**

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

* 23031, 23018 in [11-24/0991r5](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-05-00be-cr-for-miscellaneous-cids.docx) & 23005, 23009, 23108, 23151, 23152, 23153 in [11-24/1022r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1022-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25.docx) *[8 CIDs]*
* 23101, 23127, 23128, 23034, 23086 in [11-24/1018r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1018-02-00be-resolution-for-cids-assigned-to-abhi-sa-ballot-on-d6-0.docx) & 23035, 23134 in [11-24/1032r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1032-02-00be-11be-d6-0-miscellaneous-cids.docx) *[7 CIDs]*
* 23030, 23087 in [11-24/1036r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1036-02-00be-cr-for-cids-on-mlo.docx) & 23103, 23177 in [11-24/1019r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-00-00be-recirc-sa-cr-for-misc-cids.docx) & 23116, 23117 in [11-24/1024r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1024-00-00be-cr-for-some-sa2-cids.docx) *[6 CIDs]*

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

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

**Discussion: None.**

**Result: Approved with unanimous consent.**

***Note: These are CR docs that obtained ≥ 75% support during the straw poll phase of the Joint telco of June 19th, 2024.***

**Motion 686 (MAC)**

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

* 23021, 23022, 23032, 23118, 23124, 23125 in [11-24/1040r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1040-01-00be-d6-0-cr-for-miscellaneous-cids.docx) *[6 CIDs]*
* 23001, 23006, 23008, 23010, 23043, 23048, 23049, 23050, 23051, 23052, 23053, 23058, 23059, 23060, 23061, 23062, 23063, 23064, 23065, 23066, 23067, 23068, 23069, 23070, 23084, 23016, 23017, 23171, 23172 in [11-24/1028r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1028-02-00be-recirc-sa-cr-for-d6-0-cids.docx) *[29 CIDs]*
* 23109, 23135, 23136, ~~23057~~, 23054 in [11-24/1049r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1049-01-00be-recirc-sa-cr-misc.docx) *[4 CIDs]*
* 23141, 23142, 23176 in [11-24/1010r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1010-00-00be-proposed-resolution-for-miscellaneous-comments-on-recirculation-sa-ballot-on-d6-0.docx) & 23000 in [11-24/1023r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1023-01-00be-cr-for-cid-23000.docx) & 23038 in [11-24/1009r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1009-01-00be-cr-for-cid-23038.docx) *[5 CIDs]*

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

**Move: Binita Gupta Second: Stephen McCann**

**Discussion: None.**

**Result: Approved with unanimous consent.**

***Note: These are CR docs that obtained ≥ 75% support during the straw poll phase of the MAC telco of June 26th, 2024.***

**Motion 687 (PHY)**

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

* 23099, 23121, 23122, 23126, 23129, 23130, 23131, 23132, 23137, 23138 in [11-24/1042r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1042-01-00be-d6-0-miscellaneous-cids.docx) *[10 CIDs]*
* 23096, 23097 in [11-24/1027r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1027-01-00be-cr-23096-23097.docx) & 23098, 23100 in [11-24/1039r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1039-01-00be-sa-ballot-cr-for-cid-23098-23100.docx) *[4 CIDs]*
* 23024 in [11-24/1037r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1037-00-00be-resolutions-for-cid-23024.docx) & 23023 in [11-24/1031r3](https://mentor.ieee.org/802.11/dcn/24/11-24-1031-03-00be-sa-ballot-cr-for-cid-23023.docx) & 23095 in [11-24/1035r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1035-01-00be-cid-23095.docx) *[3 CIDs]*

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

**Move: Youhan Kim Second: Binita Gupta**

**Discussion: None.**

**Result: Approved with unanimous consent.**

***Note: These are CR docs that obtained ≥ 75% support during the straw poll phase of the PHY telco of June 26th, 2024.***

**Motion 688 (Joint)**

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

* 23178, 23179 in [11-24/1006r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-01-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) & ~~23012, 23013, 23146, 23147, 23148,~~ 23155, 23156, 23157, ~~23158, 23159, 23161,~~ 23162, ~~23163, 23164, 23165,~~ 23166 in [11-24/1051r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1051-02-00be-resolutions-for-cids-assigned-to-sanket-sa-ballot-on-d6-0.docx) *[7 CIDs]*
* ~~23002, 23041,~~ 23149, 23150, ~~23154, 23160~~ in [11-24/1043r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1043-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25-part-2.docx) & ~~23056, 23071, 23072, 23073~~ in [11-24/1029r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1029-00-00be-recirculation-sa-ballot-cr-for-9-6-13-9.docx)
* 23045, 23046, 23175 in [11-24/1030r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1030-01-00be-recirculation-sa-ballot-cr-for-35-3-7-5.docx) & 23026, 23027, 23042, ~~23085~~ in [11-24/1061r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1061-00-00be-recirc-sab-cr-on-misc-cids.docx)
* 23025, 23028, 23029 in [11-24/1060r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1060-00-00be-recirc-sab-cr-on-twt.docx)

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

**Move: Arik Klein Second: Jay Yang**

**Discussion: None.**

**Result: Approved with unanimous consent.**

***Note: These are CR docs that obtained ≥ 75% support during the straw poll phase of the Joint telco of July 3rd, 2024.***

* AoB: None
* Adjourned at 12:00