IEEE P802.11  
Wireless LANs

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| TGbe September 2022 Interim Minutes | | | | |
| Date: 2022-09-13 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes for the July 2022 IEEE 802.11 TGbe plenary sessions.

Revision history:

* Rev0: First version of the document, including the minutes for the Sept. 12 PM1 TGbe joint session, and the place holders for other sessions.

Abbreviations:

* C: Comment.

# Monday, September 12, MAC/PHY AM2 (10:30-12:30)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Monday, September 12, Joint PM1 (13:30-15:30)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Registration information
  + The chair announced that registration is needed to attend this meeting.
* Meeting protocol
  + Please ensure that the following information is listed correctly when joining the call:
    1. "[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:
  + **Joint:** Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
  + **PHY:** Sigurd Schelstraete ([sschelstraete@maxlinear.com](mailto:sschelstraete@maxlinear.com)) & Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com))
  + **MAC:** Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) & Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.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
  + Technical Submissions**: CRs**
    - [1270r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1270-00-00be-cr-for-power-boost-factor-cids.docx) CR for Power Boost Factor CIDs Hanqing Lou [5C-Q&A 10’]
    - [1194r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1194-00-00be-lb266-cr-for-9-4-1-70.docx) LB266 CR for 9.4.1.70 Jinyoung Chun [11C-SP 10’]
    - [1324r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1324-01-00be-cr-for-cids-in-35-7-2-part-iii.docx) CR for CIDs in 35.7.2 Part III Zinan Lin [2C-SP 10’]
    - [1131r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1131-03-00be-lb266-cr-on-9-4-1-71.docx) LB266 CR on 9.4.1.71 Jinyoung Chun [1C-SP 10’]
    - [1267r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1267-00-00be-lb266-cr-on-eht-operation-element.docx) LB266 CR on EHT Operation element Guogang Huang [29C-13GT 20’]
    - [1232r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1232-00-00be-cr-for-cids-in-35-7-2-part-ii.docx) CR for CIDs in 35.7.2 Part II Zinan Lin [8C 15’]
    - [1311r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1311-00-00be-cr-for-clause-6-3-part-2.docx) CR for clause 6.3 part 2 Yan Li [8C 15’]
  + Discussion
    - Revision changes
      * The chair announces that no need to announce the revision changes for the agenda, just present the latest revision
    - Order change of 1232r0
  + Agenda approved with unanimous consent
* The chair presents the summary from July meeting and conf calls.
* Technical Submissions**: CR**
  + 1270r0 CR for Power Boost Factor CIDs Hanqing Lou

C: suggest change MU to RU, and define what “RU” means.

C: That’s what I suggested in the comment, the “MR”

SP deferred.

* + 1194r3 LB266 CR for 9.4.1.70 Jinyoung Chun

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1194r3 and incorporate the text changes into the latest TGbe draft?

         12594

Discussion: None.

Result: No objection.

* + 1324r1 CR for CIDs in 35.7.2 Part III Zinan Lin

C: For CID 12553, the editor and another commenter prefers resolution 1

C: For CID 11660, this is only correct for the AP, for non-AP STA, it’s completely optional.

C: Need to work offline

* + 1232r0 CR for CIDs in 35.7.2 Part II Zinan Lin

C: For CID 10815, the 484+242 is partial bandwidth, why do you remove the P there?

C: Do you mean P or F is only needed when there is ambiguity?

C: It is fine to remove the P.

C: It is not clear what does the P and F in the table mean. More offline work is needed.

C: For CID 12009, the resolution can not be accepted since there are two options, the editor does not know which option to execute.

C: for CID 11668, not sure the editor will understand the instruction, better make it revised, and give the editor a clearer instruction.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1232r1 and incorporate the text changes into the latest TGbe draft?

         10172, 10171, 10815, 10170, 10816, 11668, 12009, 12556

Discussion: None.

Result: No objection.

* + 1131r4 LB266 CR on 9.4.1.71 Jinyoung Chun

C: For better reading, “Any … not …” could be changed to “None of the …”

C: Some other editorial suggestions.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1131r5 and incorporate the text changes into the latest TGbe draft?

         11628, 12597

Discussion: None.

Result: No objection.

* + 1267r2 LB266 CR on EHT Operation element Guogang Huang

C: change “the setting rule” to “xx field is set as described in yy subclause number”

C: moving the positions of the subfields is not good for existing implementation, the format change seems unnecessary. Describing the conditions is Okay.

C: For CID 10808, is 35.16.1 is the right reference? No “Information present” is found there.

C: Seems it is added in this document.

C: for cid 10991, the instruction to the editor of CID 11859 can be used.

C: 11026, this case is not totally impossible, better to defer it.

C: the description in Table 9-401a is complete, Table 9-401b is not needed.

C: 11037 should be accepted.

C: change “may set” to “shall set” because you have an “if” condition there.

C: change “non-AP EHT STAs” to “non-AP non-EHT STAs”

C: the “Otherwise” part shall also use the “shall” language.

To be continued in the next joint session.

* Recess at 15:30

# Monday, September 12, MAC/PHY PM2 (16:00-18:00)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Monday, September 12, MAC/PHY PM3 (19:30-21:30)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Tuesday, September 13, Joint AM1 (08:00-10:00)

* The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order.
* Attendance reminder.
* Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to:
  + **Joint:** Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) & Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
  + **PHY:** Sigurd Schelstraete ([sschelstraete@maxlinear.com](mailto:sschelstraete@maxlinear.com)) & Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com))
  + **MAC:** Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) & Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.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**.

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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
  + Technical Submissions**: CRs**
    - [1267r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1267-00-00be-lb266-cr-on-eht-operation-element.docx) LB266 CR on EHT Operation element Guogang Huang [29C Ctd.]
    - [1311r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1311-00-00be-cr-for-clause-6-3-part-2.docx) CR for clause 6.3 part 2 Yan Li [8C]
    - [1312r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1312-00-00be-cr-for-clause-6-3-part-3.docx) CR for clause 6.3 part 3 Yan Li [10C]
    - [1251r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1251-00-00be-lb266-cr-for-35-14-nominal-packet-padding-values.docx) CR for 35.14 Nominal Packet Padding Values Mengshi Hu [8C]
    - [1361r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1361-00-00be-lb266-cr-for-9-3-1-22-2-common-info-field-of-trigger-frame.docx) CR for 9.3.1.22.2 Common Info field of Trigger Frame Mengshi Hu [5C]
    - [1266r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1266-00-00be-lb266-cr-for-eht-mu-operation.docx) cr-for-EHT-MU-Operation Jason Y. Guo [9C]
    - [1340r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1340-00-00be-lb266-cr-for-eht-trs-part-i.docx) cr-for-EHT-TRS-Part-I Jason Y. Guo [10C]
    - [1410r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1410-00-00be-cr-for-cids-on-ndpa-frame-format.docx) CR for CIDs on NDPA frame format Mahmoud Kamel [9C]
    - [1307r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1307-00-00be-cr-for-9-3-1-19-part1.docx) cr-for-9.3.1.19-part1 Jinyoung Chun [10C]
  + Discussion
    - Revision changes
      * The chair announces that no need to announce the revision changes for the agenda, just present the latest revision
  + Agenda approved with unanimous consent
* Technical Submissions**: CR**
  + 1267r4 LB266 CR on EHT Operation element Guogang Huang

C: CID 12056, in the resolution column, “could not make consensus” is not a good resolution, it is better to find the exact reason in the last round.

C: could you explain what does the last paragraph mean?

C: some wording suggestions on the last sentence.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1267r5 and incorporate the text changes into the latest TGbe draft?

         10807 10808 10990 10991 ~~11026~~ 11037 11043 11044 11045 11046 11512 11513 11514 11857 11858 11859 11860 11861 11862 ~~12056~~ ~~12131~~ 12824 12969 12970 13363 13364 13382 13467 13468

Discussion: None.

Result: No objection.

* + 1311r0 CR for clause 6.3 part 2 Yan Li

C: no DCN number within the instruction to the editor.

C: at least add “in this document”.

C: CID 10449, better to defer it to have offline discussion with Po-Kai.

SP deferred since offline discussion is needed. Expection is to run SP in the next session.

* + 1312r0 CR for clause 6.3 part 3 Yan Li

C: add document number to the instructions to the editor.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1312r4 and incorporate the text changes into the latest TGbe draft?

         10280,13518,10450,12242,13529,10281,10282,10283,13283,10942

Discussion: None.

Result: No objection.

* + [1251r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1251-00-00be-lb266-cr-for-35-14-nominal-packet-padding-values.docx) CR for 35.14 Nominal Packet Padding Values Mengshi Hu

C: CID 10339, in PHY we agreed to use PPDU bandwidth instead of RU size

C: suggestion is to use the PPDU bandwidth, and then call out the RU size.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1251r2 and incorporate the text changes into the latest TGbe draft?

         10339, 10392, 10398, 10400, 10402, 11883, 11884, 11885

Discussion: None.

Result: No objection.

* + 1361r1 CR for 9.3.1.22.2 Common Info field of Trigger Frame Mengshi Hu

C: if no change is needed since there is a previous CID resolves that, please refer to that CID

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1361r1 and incorporate the text changes into the latest TGbe draft?

         10409, 10977, 10978, 14011, 14012

Discussion: None.

Result: No objection.

* + 1266r2 cr-for-EHT-MU-Operation Jason Y. Guo

C: Regarding SST in S160, my main concern this one is relying on SST. SST hasn’t been defined yet. Could we defer the text on SST portion?

C: there is a contribution by Ross. We can prioritize it in the next call.

C: CID 13434, 13435 are deferred. No changes to the doc during the presentation.

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1266r2 and incorporate the text changes into the latest TGbe draft?

         10996 11272 11273 12006 13862 13437 13438

Discussion: None.

Result: No objection.

* + 1340r2 cr-for-EHT-TRS-Part-I Jason Y. Guo

C: Regarding L-length text change, L-length of the EHT TB PPDU has module zero. Can you remind me the PHY does the transmission or the MAC?

C: within the trigger frame, it gets module 1. The non-AP STA’s MAC tells its PHY what needs to be transmitted.

C: the non-AP STA has received TRS, no explicit indication of the L-Length. The MAC tells the PHY the L-length has the module of 1. Are you expecting the PHY to substract one?

**SP:** Do you agree to resolve the following CIDs listed in 11-22/1340r2 and incorporate the text changes into the latest TGbe draft?

         XXXXX

Discussion: None.

Result: No objection.

* + 1410r0 CR for CIDs on NDPA frame format Mahmoud Kamel

The contribution is not finished. Need to resume in the next session.

* Recess at 10:00

# Tuesday, September 13, MAC/PHY PM1 (13:30-15:30)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Tuesday, September 13, MAC/PHY PM2 (16:00-18:00)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Wednesday, September 14, Joint AM1 (08:00-10:00)

To be added

# Wednesday, September 14, MAC/PHY PM2 (16:00-18:00)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

# Thursday, September 15, Joint AM1 (08:00-10:00)

To be added

# Thursday, September 15, MAC/PHY AM2 (10:30-12:30)

For PHY ad-hoc group:

* To be added

For MAC ad-hoc group:

* To be added

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

To be added