IEEE P802.11  
Wireless LANs

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| TGbe July 2022 Plenary Minutes | | | | |
| Date: 2022-07-11 | | | | |
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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.
* Rev1: added the minutes for the July 12 AM1 TGbe joint session and references for the MAC/PHY ad hoc sessions.

# Monday, July 11, MAC/PHY AM1 (08:00-10:00)

Separate meetings for MAC and PHY ad-hoc groups:

* MAC: https://mentor.ieee.org/802.11/dcn/22/11-22-1067-01-00be-minutes-for-tgbe-mac-ad-hoc-sessions-in-july-2022-plenary.docx
* PHY:to be added

# Monday, July 11, Joint PM1 (13:30-15:30)

1. The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order at 13:30 ET. The Chair notifies the attendees that the agenda is in [11-22-0862r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0862-02-00be-tgbe-july-2022-meeting-agenda.pptx).
   1. Matthew Fischer (Broadcom) is serving as acting secretary in the absence of a permanent secretary
   2. Note that this is a hybrid meeting, with some participants in person and some participating online through a webex session
2. IEEE-SA Policies and Procedure

The chair reviews the IEEE-SA Patent Policy:

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. Speak up now and respond to this Call for Potentially Essential Patents. **Nobody speaks/writes up**.

1. The chair goes through Other guidelines for IEEE WG meetings, Patent-related information, Participation in IEEE 802 Meetings, and Copyright. The Chair asks that it be minuted that the **Copyright Policy** was presented.
2. Chair provides an attendance reminder:

3.1. Please record your attendance during the session by using the IMAT system:

* + 1. login to imat
    2. select “802 Plenary Mixed-Mode Session – July 2022”
    3. select “SC/LM/WG802.11 Attendance” entry
    4. click “TGbe <MAC/PHY/Joint> session that you are attending
  1. If you are unable to record your attendance contact the Chair Alfred Asterjadhi for assistance

1. Agenda:
   1. Chair reviews proposed agenda found in [11-22-0862r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0862-02-00be-tgbe-july-2022-meeting-agenda.pptx)
   2. Discussion:
      1. None
   3. Agenda approved with unanimous consent.
2. Announcements:
   1. None
3. Confirm a new secretary, Jason Yuchen Guo (Huawei)
   1. [11-22-1038r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1038-00-00be-tgbe-motions-list-part-3.pptx) under the section July 11, the document contains a motion:

**Move to confirm Jason Yuchen Guo as TGbe Secretary**

Move: Rubayet Shafin (Samsung) Second: Xioafei Wang (Interdigital)

Discussion:

* + 1. Objection, request for the affiliations of the mover and seconder
    2. Objection resolved, through announcement of the affiliations

Result: Approved with unanimous consent.

1. Editor’s report [11-22-0972r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0972-03-00be-tgbe-editor-s-report-on-lb266.ppt)
   1. Editor reviews contents of the editor’s report document [11-22-0972r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0972-03-00be-tgbe-editor-s-report-on-lb266.ppt)
   2. No questions for the editor
2. CR Submissions:
   1. [11-22-0992r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0992-00-00be-lb266-cr-for-9-3-1-22-1.docx) LB266 CR for 9.3.1.22.1 Yanjun Sun (Qualcomm)
      1. Yanjun Sun (Qualcomm) presents the material in the document

C: 11be draft subclause refers to clause 26, so there I no need to have a referenc to subclause 26

C: second CID, some trigger frames have responses which are not TB PPDU

C: CID 10798 – concerned about the modified sentence preventing some behaviour that would be allowed by R2

C: CID 11492 two senetences are not exactly the same, non-AP EHT STA vs baseline only features implemented

**SP1**: Do you agree to resolve the following CIDs listed in 1-22/0992r0 and incorporate the text changes in the latest TGbe draft?

* 10798, 10724, 10976

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-0993r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0993-00-00be-lb266-cr-for-9-3-1-22-3.docx) LB266 CR for 9.3.1.22.3 Yanjun Sun (Qualcomm)
     1. Yanjun Sun (Qualcomm) presents the material in the document

C: within the note, where is the behaviour of an AP restricted as stated?

C: there is no explicit definition of this, but the value of 4095 makes the field become a padding field

C: table 9-51 last entry should be 4095 not 4094

C: 4095 cannot be marked as reserved, because reserved has a different meaning, it can be used in the future, but 4095 cannot be used in the future, it has meaning today

C: CID 10375, cannot add the note text without some normative description of the behavior

**SP2**: Do you agree to resolve the following CIDs listed in 1-22/0993r0 and incorporate the text changes in the latest TGbe draft?

* 12345

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-0999r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0999-00-00be-lb266-cr-for-9-3-1-22-2.docx) LB266 CR for 9.3.1.22.2 Yanjun Sun (Qualcomm)
     1. Yanjun Sun (Qualcomm) presents the material in the document

**SP3**: Do you agree to resolve the following CIDs listed in 1-22/0999r0 and incorporate the text changes in the latest TGbe draft?

* 11493, 10960, 10949, 10950, 10961, 11996, 10963, 10962, 11997

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-1016r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1016-00-00be-cr-for-table-35-7.docx) CR for Table 35-7 Po-kai Huang (Intel)
     1. Po-kai Huang (Intel) presents the material in the document

C: some were reserved and now explicitly set to 0

C: correct, they are not actually reserved

C: request for deferral of SP

* 1. [11-22-1887r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1887-01-00be-conditional-str.pptx) Conditional SR Evgeny Khorov (IITP RAS)
     1. Evgeny presents the material in the document

C: throughput graph slide 6, achieved only by modifying the MCS? Or are there other parameters that are modified?

C: rate selection includes more than just MCS, e.g. number of spatial streams

C: how do you make the devices transmit with the interference present?

C: ran continuous traffic on one link, up on one side, down on other

C: for which scnearios will this provide enhanced throughput? With the interference present, you are operating with two reduced MCS links, why not just operate one link at a higher MCS?

**SP2**: Do you agree to resolve CID 13212 by developing Conditional STR signalling tha allows MLDs to indicate thst STR is possible with reduced MCS?

Discussion: none

Result: 40Y 63N 57A

* 1. No presentation volunteers to fit into the remaining time

1. Recess at 15:22 ET

# Monday, July 11, MAC/PHY PM2 (16:00-18:00)

The PHY ad-hoc meeting is canceled.

For MAC ad-hoc group:

* MAC: https://mentor.ieee.org/802.11/dcn/22/11-22-1067-01-00be-minutes-for-tgbe-mac-ad-hoc-sessions-in-july-2022-plenary.docx

# Tuesday, July 12, Joint AM1 (08:00-10:00)

1. The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order at 08:00 ET. The Chair notifies the attendees that the agenda is in [11-22-0862r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0862-04-00be-tgbe-july-2022-meeting-agenda.pptx).
   1. Note that this is a hybrid meeting, with some participants in person and some participating online through a webex session
2. IEEE-SA Policies and Procedure

The chair reviews the IEEE-SA Patent Policy:

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. Speak up now and respond to this Call for Potentially Essential Patents. **Nobody speaks/writes up**.

1. The chair goes through Other guidelines for IEEE WG meetings, Patent-related information, Participation in IEEE 802 Meetings, and Copyright. The Chair asks that it be minuted that the **Copyright Policy was presented**.
2. Chair provides an attendance reminder:

3.1. Please record your attendance during the session by using the IMAT system:

* + 1. login to imat
    2. select “802 Plenary Mixed-Mode Session – July 2022”
    3. select “SC/LM/WG802.11 Attendance” entry
    4. click the corresponding session that you are attending
  1. If you are unable to record your attendance contact the Chair Alfred Asterjadhi for assistance

1. Agenda:
   1. Chair reviews proposed agenda found in [11-22-0862r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0862-04-00be-tgbe-july-2022-meeting-agenda.pptx)
   2. Discussion:
      1. None
   3. Agenda approved with unanimous consent.
2. Announcements:
   1. None
3. CR Submissions:
   1. [11-22-1016r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1016-00-00be-cr-for-table-35-7.docx) CR for Table 35-7 Po-Kai Huang (Intel)
      1. Po-Kai Huang (Intel) presents the material in the document

C: according to 11ax spec, B1-B3 are reserved for 2.4GHz, do you need to mention they shall be set to 0?

C: something is wrong with the table of parsing

C: support this proposal, it's necessary because 11ax already says that they shall be set to 0, reasonable to have this clarification

**SP1**: Do you agree to resolve the following CIDs listed in 11-22/1016r0 and incorporate the text changes in the latest TGbe draft?

* 11057, 12012, 12874, 13448

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-1000r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1000-01-00be-lb266-cr-for-9-3-1-22-4.docx) LB266 CR for 9.3.1.22.4 Yanjun Sun (Qualcomm)
     1. Yanjun Sun (Qualcomm) presents the material in the document

C: it's better for the PHY group to decide whether we need 16ss or not, then we can handle this CID

C: suggest to add dot11EHTBaseLineFeaturesImplementedOnly as the condition

**SP2**: Do you agree to resolve the following CIDs listed in 1-22/1000r1 and incorporate the text changes in the latest TGbe draft?

* 13547, 10801

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-1001r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1001-00-00be-lb266-cr-for-9-3-1-22-5.docx) LB266 CR for 9.3.1.22.5 Yanjun Sun (Qualcomm)
     1. Yanjun Sun (Qualcomm) presents the material in the document

C: if the resolution is accepted, then no instruction is provided to the editor.

**SP3**: Do you agree to resolve the following CIDs listed in 1-22/1001r0 and incorporate the text changes in the latest TGbe draft?

* 11998,10981,11495,11496,13048,10959,12353,11497,11498

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-1042r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1042-01-00be-lb266-caluse3-2-cids-part-1.doc) CR for Table 35-7 Ross Jian Yu (Huawei)
     1. Ross Jian Yu (Huawei) presents the material in the document

C: need to remove the underline becuase it's from baseline. We don’t have any underline in the baseline text.

C: “,” and “or” should be underlined

C: what's the context of this definition for lentency sensitive traffic? Do we use it anywhere in the spec?

C: change “imlementation specific” to “application specific”

C: does the STA decide it's latency sensitive?

C: suggest delete the phrase of latency sensitive traffic

Two CIDs (11819, 12456) are deferred after the discussion

**SP4**: Do you agree to resolve the following CIDs listed in 11-22/1042r1 and incorporate the text changes in the latest TGbe draft?

* 11169, 11174, 11817, 11818

Discussion: none

Result: approved with unanimous consent

* 1. [11-22-887r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0887-02-00be-enhancements-for-massive-tsn.pptx) Enhancements for massive TSN Evgeny Khorov (IITP RAS)
     1. Evgeny presents the material in the document

C: slide 4, you mentioned that 5G can not achieve 1ms, can you explain more?

C: need comparism with UL OFDMA and rTWT, seems to work already

C: why do you believe DL OFDMA is not important?

C: if aggregating, then same MCS needs to be same

C: do you consider it to be in wifi 8?

**SP5**: Do you agree that the support of Industrial TSN Applications for multiple STAs shall be provided by

opt1: Further TGbe activities

opt2: More Discussion within WNG

opt3: Need more info

opt4: Abstain

Discussion: none

Result:

opt1: 21

opt2: 82

opt3: 32

opt4: 26

* 1. The chair asked through the WebEx chat window if anyone is ready to present any document in the remaining time, Yunbo Li (Huawei) asked for presenting 11-22/1048r0. The chair asked if there is any objection of changing the agenda by adding document 11-22/1048r0. **No objection.**
  2. [11-22-1048r](https://mentor.ieee.org/802.11/dcn/22/11-22-1048-00-00be-lb266-cr-320mhz-indication-in-non-ht-duplicated-frame.docx)0 LB266 CR 320MHz indication in non-HT duplicated frame Yunbo Li (Huawei)
     1. Yunbo presents the material in the document

C: I have a problem regarding the language.”or an EHT STA that is a STA 6G without 320 MHz bandwidth support to a VHT AP…” what does that mean?

C: for CID 12248, do you think non-HT duplicate PPDU format makes more sense?

C: seems editorial: not removing non-HT, but adding PPDU.

C: why does the STA need to know the BW is 320MHz when it does not support 320MHz?

Three CIDs (12249 13718 14096) are deferred after the discussion

**SP6**: Do you agree to resolve the following CIDs listed in 11-22/1048r0 and incorporate the text changes in the latest TGbe draft?

* 10127 12248

Discussion: none

Result: approved with unanimous consent

* 1. Ross Jian Yu (Huawei) asked for presenting 11-22/1092r0. The chair asked if there is any objection of changing the agenda by adding document 11-22/1092r0. **No objection.**
  2. [11-22-1092r](https://mentor.ieee.org/802.11/dcn/22/11-22-1092-00-00be-cr-on-cid-11819.doc)0 CR on CID 11819 Ross Jian Yu (Huawei)
     1. Ross presents the material in the document

**SP7**: Do you agree to resolve the following CIDs listed in 11-22/1092r0 and incorporate the text changes in the latest TGbe draft?

11819

Discussion: none

Result: approved with unanimous consent

1. Recess at 09:55 ET