IEEE P802.11  
Wireless LANs

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| Minutes for TGbe MAC May 2021 Interim Session | | | | |
| Date: 2021-05-10 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | NXP |  |  |  |
| Jeongki Kim | LG Electronics |  |  |  |
| Alfred Asterjadhi | Qualcomm |  |  |  |

Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences held in May 2021.

Revisions:

* Rev0:
  + Adding the minutes for the session on May 10, 2021.
  + Adding the minutes for the session on May 13, 2021.

**Monday May 10th, 2021 19:00 – 21:00 ET (TGbe MAC interim session)**

Chairman: Liwen Chu (NXP)

Secretary: Alfred Asterjadhi (Qualcomm)

This meeting took place using a webex session.

**Introduction**

1. Chair (Liwen, NXP) calls the meeting to order at 19:02pm EDT. The Chair introduces himself and the Secretary, Alfred (Qualcomm)
2. Chair goes over patent policy and calls for Potentially essential patents.
   1. Nobody spoke up.
3. Chair goes over other guidelines
4. Chair goes over the IEEE SA Copyright Policy.
5. The Chair recommends using IMAT for recording the attendance.
   * Please record your attendance during the conference call by using the IMAT system:
     1. 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 “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 Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim@lge.com](mailto:jeongki.kim@lge.com))
6. Agenda is approved (based on R2 and added the two editorial documents for CRs).

**Recorded attendance through Imat and e-mail:**

**Technical Submissions:**

**Edward goes quickly over 759r0 (solves 31 CIDs).**

SP: Do you support the comment resolutions for the following CIDs in 11-21/759r0?

* 1476, 3334, 2520, 2372, 2852, 1153, 3424, 1416, 2415, 1495,
* 2200, 2201, 2202, 2203, 2204, 2521, 2752, 2856, 2205, 1717,
* 3425, 2374, 3022, 3213, 3214, 3336, 2352, 2474, 2417, 1043,
* 1745

Result: No objection to the SP.

**Edward goes quickly over 775r0 (solves 41 CIDs).**

Do you support the comment resolutions for the following CIDs in 11-21/775r0?

* 2248, 2542, 2828, 2039, 2855, 2375, 2829, 1419, 2249, 2376,
* 3227, 2126, 2063, 3024, 2753, 1442, 2042, 2043, 1746, 2067,
* 3250, 1052, 1786, 1787, 2062, 2425, 2426, 3218, 2044, 2378,
* 1223, 1224, 1225, 3238, 2250, 2478, 2068, 3375, 3376, 2045,
* 1226

Result: No objection

**Minyoung provides an update on 612r4**

Presenter explains the difference between revision 3 and revision 4.

Chair asks if there is any questions. Several members in the queue.

* First question related to the sentences that are removed and were present in r3.
  + Presenter mentions that they will be addressed in the next comment resolution round.
  + Some follow up discussion on the same
* Second question as a follow up to offline discussions about TPC request.
  + Member mentions that there is still some conflict with baseline in the current document.
  + Presenter provides some clarifications on this regard (giving an equivalency with existing sounding protocols). It would be preferrable to not buffer the request frames. But since there were questions and suggestions to address later the presenter decided to remove those statements.
* Third question is regarding clarifications on activating the links.
  + Presenter provides some clarifications.
* Fourth question is on the last paragraph regarding MMPDU delivery.
  + Presenter provides some clarifications.

Presenter asks to run the SP on the document.

SP: Do you agree to incorporate the proposed changes for the following CIDs in IEEE 802.11-21/612r4 to the latest TGbe draft?- 1432, 1697, 2135, 2136, 2153, 2302, 2341, 2342, 3149, 3256, 3322, 3387

Result: 34y, 38n, 31a.

**Dibakar provides an update for 222r14.**

Chair asks if there is any questions.

Some clarificatory questions on the STR/NSTR Bitmap presence.

Presenter provides some clarifications. Makes some minor updates to the doc. Will be r15.

SP: Do you agree to incorporate the proposed changes for the following CIDs in IEEE 802.11-21/222r15 to the latest TGbe draft?- 1078, 1475, 2981

Chair asks if there is any objection to this SP.

None was heard.

Result: No objection

**Yunbo goes over 757r0.**

Chair asks if there is any questions for this document.

There are several members in the queue. A couple of questions were discussed. Not enough time to go over the whole list of members. Chair asks to follow up offline.

SP is deferred.

**Young Hoon goes over 774r1.**

Chair asks if there are any questions. Several members in the queue.

Question as to what type is the uplink frame. Answer: In eMLMR can be any frame. Some questions on the use of the BW and the MCS additions to the protocol.

Presenter defers the SP for Thursday.

**Dmitry goes over 514r6.**

Presented until CID 1507. Out of time. Will resume next MAC ad-hoc conf call.

Meeting is recessed at 21:00 ET.

**Thursday May 13th, 2021 9:00 – 11:00 ET (TGbe MAC interim session)**

Chairman: Liwen Chu (NXP)

Secretary: Alfred Asterjadhi (Qualcomm)

This meeting took place using a webex session.

**Introduction**

1. Chair, Liwen Chu, calls meeting to order at 09:02AM ET. Secretary for today’s call is Alfred.
2. Chair goes over patent policy and calls for Potentially essential patents.
   1. Nobody spoke up.
3. Chair goes over other guidelines.
4. Chair goes over the IEEE SA Copyright Policy
5. The Chair recommends using IMAT for recording the attendance.
   * Please record your attendance during the conference call by using the IMAT system:
     1. 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 “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 Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim@lge.com](mailto:jeongki.kim@lge.com))
6. Agenda is approved (based on 602R5).

**Recorded attendance through Imat and e-mail:**

**Technical Submissions:**

**Dibakar goes over 268r7**

Author provides an overview of the changes with respect to the previous revision that was presented earlier.

Discussion:

* A question on the naming of the field. Field is not called TXOP Sharing Mode. We can fix editorials later.
* Do you resolve the controversial part of the user info vs common info? No, that is left open.
* Member proposes an editorial change to a particular paragraph, translating to a question in terms of condition. Author agrees to change to “and”.

268 SP: Do you agree to incorporate the proposed changes in 11/21-268r8 into the latest version of 11be draft?**Result: 68y, 11n, 19A**

**Subir goes over 555r7**

Author provides an overview of the changes with respect to the previous revision that was presented earlier.

Discussion:

* Member mentions that before it was a new element and now it is the same element of baseline carried in the action frame itself. There may be some concern if all NSEP devices activated in the field contend simultaneously. Answer is that this was based on the majority of the members and also the action frame needs to be sent anyways, so when the action frame is sent it may contain the IE.

555 SP: Do you support to incorporate the proposed draft text in 11-21-0555r7 to the latest TGbe Draft for addressing CIDs 1709, 2171 and the MIB objects.

**Result: 48Y, 12N, 28A.**

**Young Hoon goes over 335r8**

Author provides an update of the document with respect to the previous version that was presented.

Discussion:

* Question about the eMLMR Link Bitmap. Looks like it is not a capability but rather a bitmap. Answer is that they are all related to EML operation itself but still a capability in the author’s view.
* Second member mentioning that agrees with previous comment. In addition, member is not clear what “right after” mean. Author to modify to say “immediately after”. Author mentions that he will remove EMLMR Link Bitmap and can be discussed later.
* Question regarding the response from AP before time expires. Author provides some insights.

Author will come back with the SP after, so that he can make the update and upload doc to the server.

**Dmitry goes over 514r7**

Provides an update of the doc. We covered majority of comments last time. And some are left which are covered here.

Discussion:

* + Some questions on the details of the backoff counter and CCA related behaviors. Author provides some clarifications as to what the intention is

514 SP: Do you support to accept the resolution for the following CIDs in 11-21-0514r7?

* 1439, 1501, 1502, 1509, 1510, 1511, 1512, 1514, 1757, 1772, 1797, 2142, 2434, 2435, 2718, 2740, 3141, 3142, 3143, 3145, 3205, 3323, 3399. 1507, 1703, 3398.

**Result: 39Y, 28N, 61A.**

Chair asks if there is any objection to run the previously deferred SP on 335r12. No objection was heard and hence agenda amended accordingly.

Young Hoon provides the clarification in the amendment for 335r12.

SP: Do you support to incorporate the proposed changes in 11-21/335r12 into the latest version of 11be draft?

**Result: No Objection.**

**Ming goes over 741r2.**

Discussion:

* Concern that proposal changes the rules with respect to how things are done today. Some discussion surrounding this item.
* Next commenter has similar concern and additionally asks some questions on the 3 conditions.

**Result: 35Y, 43N, 26A.**

**Rojan goes over 301r6.**

Solves the same CIDs as the document above.

Discussion:

* Concern is that if the doc is resolved like this it closes the door for future expansions. Author mentions that in the future nothing precludes bringing new contributions.

301r6 SP: Do you agree to incorporate the changes provided in 21/0301r6 for CIDs 2162, 2163 to the next revision of 802.11be draft?

**Result: 45Y, 30N, 23A.**

**Duncan goes over 160r1**

Author provides an overview of the document.

Comment expressing concern on BSRP complexity.

SP 160: Do you support to incorporate the proposed draft text in this document 11-21/0160r1 to the TGbe Draft 0.4?

**Result: 56Yes/14No/27Abstain**

**Chunyu goes over 462r8**

Author provides an overview of the changes and updates that the doc has based on offline discussions.

Discussion:

* Some discussions on the functionality and mapping of TID mapping for low latency mapping and so on. A member mentions that we should map with the SCS here. Author mentions that SCS is not approved yet, but it is actually a concept that is independent.

SP 462: Do you support to incorporate the proposed draft text in this document 11-21/462r9 to the TGbe Draft 0.4?

**Result: 64Y, 26N, 20A.**

**Payam goes over 683r5**

Author provides an overview of the changes.

Discussion:

* Member suggests to not limit the protection of the Quiet Interval to 1 TU but leave it up to the AP. Author mentions that there were different views on this.

683 SP: Do you support to accept the resolution for the CID 2215 in 11-21-0683r5?

**Result: 68Y, 8N, 17A.**

There was a request to extend the meeting by 15 mins. Objected by two members.

Meeting was adjourned at 10:00AM ET.