IEEE P802.11
Wireless LANs

|  |
| --- |
| Minutes for TGbe MAC Ad-Hoc teleconferences in November 2021 Plenary |
| Date: 2021-11-08 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jeongki Kim | Ofinno |  |  | jeongki.kim.ieee@gmail.com |
| Liwen Chu | NXP |  |  | liwen.chu@nxp.com |
|  |  |  |  |  |

Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences in November 2021 Plenary.

Revisions:

* Rev0: Added the minute from the telephone conference held on November 8.
* Rev1: Added the minute from the telephone conference held on November 11.

**Monday 8 November 2021, 19:00 – 21:00pm ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 19:02 ET. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the call
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
4. The Chair goes through the IEEE 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) 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-21/1618r4. No discussion. The agenda was approved.

 **Submissions**

1. [287r5](https://mentor.ieee.org/802.11/dcn/21/11-21-0287-05-00be-cc34-cr-emlsr-part2.docx) EMLSR part 2 Minyoung Park [10C SP-10’]

The author goes through the changes of the version.

Discussion:

C:If AP did not receive the response , wondering whether the STA switched back or not.

A: In that case, the AP will retransmit it. If the STA did not receive a frame within the time interval, the STA will go back to listening operation.

C: For BAR/BA, the current text is for EHT extension. I think this can extend to legacy STAs.

A: We can have further discussion for fine tuning.

C: How does the AP know this STA’s behavior on the last bullet (e.g., The STA does not respond to the most ...)?

A: AP can check whether the frame is on the medium.

C: In figure, STA 1 and STA2 are in a single MLD or a different MLD?

A: Different MLD

C: The last bullet, the TXOP responder does not know the end of the TXOP exactly. Need to clarify it. We can remove the last text at this time. We can discuss this later.

A: Fine.

C: We can also remove the last bullet in previous paragraph.

A: Ok, I’m fine for the progress. We can discuss them later.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/287r6 for the following CIDs?**- 4758, 6351, 6343, 6344, 7466, 5222, 8355, 6068, 6346

Y/N/A: 29/15/42

1. [1561r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1561-01-00be-cc36-cr-for-cid-6630.docx) CR for CID 6630 Po-Kai Huang [1C SP-10’]

Discussion:

C: Maybe please doublecheck the PPDU length with PHY team

A: This is in the spec. Just copy it. Add the reference.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1561r1 for the following CID?6630**

No objection

1. [1417r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1417-01-00be-cr-for-amediumsyncthreshold.docx) CR-for-aMediumSyncThreshold Jason Y. Guo [5C SP-10’]

The author goes through the change of the revision. E.g., RTS, BA (length =1024), etc. aMediumSyncThreshold is set to 72us.

Discussion: None

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1417r1 for the following CIDs?4234, 4834, 6318, 8041, 8209**

No objection

1. [1965r](https://mentor.ieee.org/802.11/dcn/20/11-20-1965-04-00be-pdt-mac-mlo-mandatory-optional.docx)5 PDT-MAC-MLO-Mandatory optional Laurent Cariou [1C SP-10’]

Discussion:

C: It’s not including soft AP and mobile AP? How about NSTR mobile AP?

A: It’s in the MLD.

C: We will not be in collocated HE AP? Collocated AP set?

C: Other EHT AP.

C: Do we have an EHT AP not in collocated AP?

A: Soft AP.

C: Could we be simple like an EHT AP is in an AP MLD? That’s aligned with the motion.

A: Soft AP may be a single radio AP.

C: Multiple BSSID. You can add a text like if an AP is in MLD and the other AP is in the MLD, ….

A: Why do we mention the multiple BSSID set?

C: What is the collocated AP? Is it in the same or different bandwidth?

A: It’s different frequency band. This is for MLD.

C: We can add the text to clarify it.

C: What if the mobile AP is a subset of EHT AP?

A: NSTR mobile AP can follow this. We don’t have a single mobile AP.

**SP: Do you agree with the changes proposed in Part 1a of document 20/1965r5?**

Y/N/A: 31/27/51

1. [1686r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1686-00-00be-cr-for-low-latency-stream-identification.pptx) CR for Low-Latency stream identification Pascal Viger [2C 20’]

Discussion:

C: SCSID may have concern

A: TID has fairness issue

C: I understand. I don’t see big issue on fairness.

C: I agree with technical issue. I agree with Duncun. We do not need new SCSID.

C: If you add SCSID, why do you add TID bitmap? Do you want to override?

A: If SCSID Valid is 1, Bitmap valid is 0

1. [1562r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1562-01-00be-cc36-resolution-for-cids-for-35-3-9-2.docx) CC36 resolution for CIDs for 35.3.9.2 Laurent Cariou [31C 35’]

The author goes through the document and there were several discussions on the document. Not finished.

The chair asked whether there are any other businesses before recessing the meeting. No response was received.

The teleconference was recessed at 21:00 ET

**Thursday, November 11, 2021, 09:00 – 11:00pm ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 09:02 ET. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the call
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
4. The Chair goes through the IEEE 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) 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-21/1618r4. No discussion. The agenda was approved.

 **Submissions**

1. [287r6](https://mentor.ieee.org/802.11/dcn/21/11-21-0287-06-00be-cc34-cr-emlsr-part2.docx) EMLSR part 2 Minyoung Park [10C SP-10’]

The author goes through the revision of the document. There was discussion on the removed texts from r5. The commenter has the concern on incomplete STA’s operation due to the removed text. The author responds that the second subullet can cover the operation that the commenter raised. The commenter requested to postpone this SP.

Another commenter raised the concern on the second subullet texts. He suggested to remove “STA” in the indicated text. After discussion, he’s finally fine with the current text.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/287r6 for the following CID?-4758, 6351, 6343, 6344, 7466, 5222, 6068, 6346**

Y/N/A: 42/22/45

1. [1407r2](https://mentor.ieee.org/802.11/dcn/21/11-21-1407-00-00be-cc36-cr-for-tspec-element.docx) CR for TSPEC element Duncan Ho [2C SP-10’]

The author goes through the changes from the last version.

Discussion:

C: Can you elaborate the differences between the TSPEC light and this element?

C: Is this QoS element sent from STA to AP?

A: If it’s a request, STA sends it to AP.

C: Is there any brief text that the new element is used by EHT STA?

C: Why do you change the unit of medium time field from 32 us to 256us?

A: I changed the size of the field to reduced size. So, I changed the unit size to 256 to cover all values.

C: Regarding the minimum service interval field, maximum server interval, you need to align the texts of each subullets (“ the start of two consecutives…).

There were several discussions on Triggered TXOP Sharing support field.

C: If the field is 1, support the mode 1, If the field is 2, support the mode 1 +2. What if we employ new mode 3? Then the field set to 3 means Mode 1 + 2 + 3?

C: Regarding multi-link, UL and DL direction are clear. But, the direct link is not clear. Whether it’s MLD level or link level?

A: Medium Time is MLD level.

C: How can the AP MLD know which links are set up for P2P? How can the AP MLD schedule?

A: That is the general issues. Need to have more discussion on that.

C: In D1.2, this is only for the link level. We can have further discussion on MLD level later.

C: How the AP schedule the P2P transmission?

A: There is the related normative text.

C: TG editor instruction is not clear. That is only for the subclause or global changes?

A: It will be applied to other subclauses.

C: You need to change the name of Medium Time field.

A: Ok

C: I suggest that we can have another document for discussing P2P issues from DL/UL.

A: You means Medium Time and Bandwidth?

C: Yes

C: There is only Minimum Data Rate. What about Maximum Data rate?

A: I’d discussed it with other members already. We don’t need to bring all parameters from TSPEC.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1407r2 for the following CID?- 4918, 5950**

 C: Do you want to run all texts? How about excluding P2P texts?

 The SP is deferred to next call.

1. [1483r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1483-01-00be-cc36-cr-cid-7888.docx) CR CID 7888 Minyoung Park [1C SP-10’]

Discussion:

C: In case of one normal radio, the MLD should transmit/receive group addressed BU based on this? All STAs are in active mode?

C: Broadcast TWT SPs belonging to membership. Do we have the addional texts related to B-TWT memebership like broadcast TWT ID?

A: Same structure with 11ax. It’s enough.

C: we need to have some texts for MIB variable related this.

A: Ok.

C: which link DTIM transmission non-AP MLD should listen?

A: Non-AP MLD’s decision.

C: AP MLD should deliver GA frames on every links?

A: In 11, all group addressed frames are delivered on all links?

C: What if no EMLSR mode?

C: You did not say explicitly. Your solution does not solve the problem.

C: Do you want to add some texts of STA side? Maybe we can consider some wording.

A: We may have the may behaviors of it.

1. [1562r](https://mentor.ieee.org/802.11/dcn/21/11-21-1562-02-00be-cc36-resolution-for-cids-for-35-3-9-2.docx)3 CC36 resolution for CIDs for 35.3.9.2 Laurent Cariou [31C 20’]

The author goes through all CIDs. But no discussion due to lack of time.

The chair asked whether there are any other businesses before recessing the meeting. No response was received.

The teleconference was adjourned at 11:00 ET