IEEE P802.11
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc teleconferences in November 2021 to January 2022 |
| Date: 2021-11-17 |
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Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences in November 2021 to January 2022.

Revisions:

* Rev0: Added the minute from the teleconference held on November 17.
* Rev1: Added the minute from the teleconference held on November 18.

**Wednsday, November 17, 2021, 10:00 – 12:00 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 10:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. 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.
3. The Chair goes through the IEEE copyright policy.
4. 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)
5. The Chair asked whether there is comment about agenda in 11-21/1775r2. Some modifications. The agenda was approved.

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

 **Submissions**

1. [1685r5](https://mentor.ieee.org/802.11/dcn/21/11-21-1685-05-00be-cc36-cr-for-aar.docx) CC36 CR for AAR Ming Gan [15C SP-10’]

Discussion:

There were discussions on EMLSR/EMLMR links.

C: Regarding the AP shall schedule, can you consider some other conditions (e.g., TBTT, )?

C: Note has shall requirement. You need to provide the reference. You don’t need to have shall text in the note.

A: Ok

C: I need to more think about the EMLSR?EMLMR. Could you defer it?

A: Ok.

C: Do we need to have shall requirement of the AP operation? The AP may not schedule due to some reason (e.g., busy, or not available links,).

A: At the begining, AP does not have a capability for that operation. So, I changed it to shall based on other comments.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1685r6 for the following CIDs?-** 4239 4240 4484 4729 4731 4732 5318 5707 6322 6926 6991 7575 8218 8219

Y/N/A: 33/19/27

1. [1562r](https://mentor.ieee.org/802.11/dcn/21/11-21-1562-05-00be-cc36-resolution-for-cids-for-35-3-9-2.docx)5 CC36 resolution for CIDs for 35.3.9.2 Laurent Cariou [31C 20’]

Discussion:

The following texts are added on 2295 during the discussion.

”Between the target swtich time and the time at which the AP will start beaconing in the target operating class/channel, the Neighbor AP TBTT Offset field for the corresponding AP in the Reduced Neighbor Report element shall be set to 255.

C: For the last sentence, the time is not accurate time?

A: You mean tentative time?

C: estimated time is used in the baseline.

C: 5038, what does the condition mean?

There were long discussions on resolution on 5038.

C: You can remove the note on 5038. That’s legacy operation. We don’t need it here.

A: I can defer it.

C: In another note, Quiet element and Quiet Channel element could be inherited. Please remove it.

A: Ok.

C: There is no impact of beacon reception. You can remove the new added wrapper element.

A: We need to provide the consistent information. The element just carries the bandwidth information.

C: We don’t need to carry complete information in the beacon. Why do we need the information? It has a lot of overhead.

5308 is defered by discussion.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1562r6 for the following CIDs?**4385 4462 4463 4464 5035 5036 5037 5062 5218 5258 5690 5691 5838 5925 5989 6099 6209 6298 6299 6491 6492 6671 7373 7374 7443 7820 7854

No objection.

1. [1704r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1704-01-00be-cc36-resolution-for-cids-related-to-nsep-3-1-3-4-c-3.docx) Res. 4 CIDs related to NSEP\_3.1\_3.4\_C-3 Subir Das [12C 15’]

Discussion:

C: I think the comment is reasonable. National is too limited.

A: Ok, It’s open. It could be international or global.

C: You can remove the prefix on it.

A: I can defer it.

C: Resolution of 4172, you can change the specific subclause to the draft standard.

A: Ok.

C: could you defer 5284?

A: I already do it.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1704r2 for the following CIDs?-**  6155, 4091, 7675, 4804, 7483, 6156, 5652, 6117, 4172, 6119, 7526

No objection

1. [1714r](https://mentor.ieee.org/802.11/dcn/21/11-21-1714-01-00be-cc36-cr-for-traffic-indication-in-multiple-bssid-set.docx%27)2 CR 4 Traffic Ind. in Multiple BSSID Set Ming Gan [1C 15’]

Discussion:

C: you can change in the first paragraph, like AP does not corresponding the transmitted BSSID.

A: I think the meaning is same.

C: performed multi-link setup?

C: how about for an associated non-AP MLD instead of it?

C: last paragraph: for non-AP MLDs associated with any AP MLD that has an affiliated AP in the same multiple BSSID set as the AP.

C: by following.

C: AP MLD that corresponds to...? or AP?

A: AP.

C: where the AP corresponds..

A: Ok

C: using the partial virtual bitmap,

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1714r3 for the following CID?**

**6254**

No objection

1. [1611r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1611-00-00be-tid-to-link-mapping-enhancements.pptx) TID Mapping Enhancements Pooya Monajemi [Tech. 30’]

Discussion:

C: In the sequence 0 , 1, 2, AP can choose all sequences . AP can do all possbile combination.

A: Yes

C: AP need to control uplink. Why should the AP enforce the ul operation? I understand DL cases. Loadbalancing case?

C: slide 9, how does the client benefit ?

**The chair asked whether there is any other business before adjourning the call. Nobody spoke.**

**Thursday, November 18, 2021, 10:00 – 12:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

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5. The Chair asked whether there is comment about agenda in 11-21/1775r3. Some modifications. The agenda was approved.

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

 **Submissions**

1. [1176r](https://mentor.ieee.org/802.11/dcn/21/11-21-1176-07-00be-cc36-resolution-for-cids-related-to-ml-advertisement-part-2.docx)8 Res. 4 CIDs related to ML advertisement-Part 2 Abhishek Patil [4C SP-10’]

Discussion:

C: Multi-level inheritance, we haven’t decided the details of it. Could we settle it down firstly?

C: Note 2, non-inheritance elements are in the note 2. If you don’t address the problem of non-inheritance elements,..., we should wait the conclusion.

A: Inheritance and non-inheritance elements apply here. I can move the note 2 to cover inheritance and non-inheritance elements.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1176r9 for the following CID?- 7812**

No objection.

1. [1330r4](https://mentor.ieee.org/802.11/dcn/21/11-21-1330-04-00be-cc36-for-sn-indication.docx) CC36 for SN indication Jay Yang [1C SP-10’]

Discussion:

C: If there is no PS STA, the AP will deliver the group addressed frame anytime.

A: Yes. I already described it in the document. I just mentioned the update.

C: This use cases, IPTV, would be covered by TGbc instead of Tgbe.

A: 11be device may support TGbc. If it does not support it, ...

C: It might be very corner case. It’s not common case.

A: It will be useful for a single radio MLD. 11be don’t have the missing issue.

C: Each different link may have different SN.

C: In D1.3, a single radio MLD does not switch link if there is on-going traffic.

**SP: Do you agree to accept the resolution in IEEE 802.11-21/1330r4 for the following CIDs?5380 6648**

Y/N/A: 5/29/38

1. [1657r3](https://mentor.ieee.org/802.11/dcn/21/11-21-1657-02-00be-tgbe-cc36-misc-comment-resolutions.docx) TGbe CC36 Misc Comment Resolutions M. Montemurro [5C 2SP-15’]

Discussion:

C: You remove the validation part? KDEs?

A: Yes

C: If you delete the note, you may have another note for the description. It’s not friendly.

C: If there is no consensus, do we reject two comments? I want to keep two notes in my mind.

**SP1: Do you agree to accept the resolution in IEEE 802.11-21/1657r3 for the following CIDs?6050, 6052, 6934**

**No objection.**

**SP2: Do you agree to accept the resolution in IEEE 802.11-21/1657r3 for the following CIDs?6184, 5191**

22/22/29

1. [1710r](https://mentor.ieee.org/802.11/dcn/21/11-21-1710-02-00be-cc36-resolution-for-cids-for-9-4-2.docx)3 CC36 resolution for CIDs for 9.4.2 Laurent Cariou [29C 35’]

Discussion:

C: We updated the texts of 35.3.10. Consistent with the update?

A: Yes.

C: BSS transition, add new subclause.

A: It’s part 2. Let’s go the part 1 firstly.

**SP1: Do you agree to accept the resolution in IEEE 802.11-21/1710r3 for the following CIDs?7437 7438 5594 6229 5321 4259 6010 4258 6231 7806 6232 6970 7700 8275 5122 8163 8276 5123 8164 8277 4099 6233 4260 5368**

No objection.

C: new subclause BSS transition. For recommended Aps, You suggest Link ID Info in ML element.

C: Link ID info is in Per-STA profile. You move it to common. How about the STA Info field?

A: I can double check.

C: Neighbor report does not carry the Per-STA profile in ML element.

A: Ok. We can have more discussion.

1. 1756r3, Jarkko.

Discussion:

C: Why do you add these in RNR?

A: You can improve scanning in 6GHz.

C: TIM broadcasting, the field in the ML element.

C: Group frames in the spec? You can just say group addressed frames.

**The chair asked whether there is any other business before adjourning the call. Nobody spoke.**

**The teleconference was adjourned at 12:00 ET**