IEEE P802.11
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc teleconferences in March to May 2022 |
| Date: 2022-03-16 |
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Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences in March to May 2022.

Revisions:

* Rev0: Added the minute from the teleconferences held on March 16 and 17.

**Wednesday, March 16, 2022, 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 11-22/428r3. Some modifications. The agenda was approved.

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

 **Submissions**

1. [0308r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0308-02-00be-cc36-resolution-for-cids-related-to-ml-advertisement-part-3.docx) Res. for CIDs related to ML adv.-P3 Abhishek Patil [24CIDs-Ctd.]

Discussion:

C: You changed HE part. Why not adding it in EHT subclause? move whole part to 35 clause?

A: No need to be duplicated.

C: how about adding ”to describe the STA 6G.”

A: to provide capabilities and operational parameters of the STA 6G.

C: Need to remove the shall in the note.

C: Need more discussion for SSID element on MLD.

**SP: Do you support to accept the resolution in 11-22/0308r4 for the following CIDs?**

* 5179 6541 6988 6989 6520 6542 5517 6213 4101 4264 4265 5515 5516 5828 6620 8059 5170 5906 8032

No objection

1. [1272r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1272-00-00be-cc36-cr-on-5174.doc) CR on 5174 Guogang Huang [1 CIDs]

Discussion:

**SP: Do you support to accept the resolution in 11-21/1272r1 for the following CID?**

5174

No objection

1. [1273r2](https://mentor.ieee.org/802.11/dcn/21/11-21-1273-02-00be-cc36-cr-on-5196.docx) CR on 5196 Guogang Huang [1 CIDs]

**Discussion:**

C:Why do you add the field?

A: AP can know it.

C: MSDU deliver ratio, how do you use ? discarding the frame at the receiver buffer?

A: QoS characteristics element is defined SCS streams? Not TID? Do you agree?

C: can SCSIDs be differentiated with..?

A: we don’t extend the TID using 0-7, 0-15, Some SCS stream need to be distinguished.

1. [1279r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1279-00-00be-cc36-cr-for-d1-0-aad-and-nonce-cids.docx) CR for D1.0 AAD and Nonce CIDs Rojan Chitrakar [2 CIDs]

Disucssion:

C: The 1 bit proposed is not protected in the CCMP Header. The MLD bit is not protected. We need more discussion for the security.

A: Understand.

C: This is for improving the receiver side. Not sure if it’s necessary.

1. [1277r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1277-00-00be-cc36-cr-for-d1-0-group-key-handshake-cids.docx) Group Key handshake CIDs Rojan Chitrakar [5 CIDs]

Presented for 1 CID but not finished.

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

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

**Thursday, March 17, 2022, 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.
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	* Please record your attendance during the conference call by using the IMAT system:
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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 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 11-22/428r5. Some modifications. The agenda was approved.

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

 **Submissions**

1. [0326r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0326-01-00be-cc36-cr-for-35-6-1.docx) Comment Resolution for 35.6.1 and 3.1 CIDs Binita Gupta [26 CIDs]

Discussion:

C: If the sequnce flow is missing, it will be delayed. What kind of mechanism is used for higher reliability for latency senstive traffic?

A: r-TWT can be used for TXOP protection of latency sensitive traffic.

C: refering the context. High TX probability could reduce the retransmission.

C: No WLAN network in the spec. You can replace it with AP/STA.

C: Do we have network entity?

C: Use the BSS instead of WLAN network.

C: We can add some texts in front of the text for 7082.

C: You can define the related MIB variable (annex) in this document. You can check it.

C: Latency sensitive traffic is too general term. We need to general description. We can add the details in the first part of the last page.

A: This is general section. And, we already have the general definition in definition section.

C: For resource researvation mechanism, SCS mechanism is optional. How does the AP decide TWT in this case?

C: You need to provide the benefit of r-TWT SP as rejection reason compared to RAW.

C: RAW is only for S1G STA.

C: TWT was defined for S1G STA but 11ax brought it. The commenter already knows it’s for S1G.

C: We can defer the 6479.

C: 5662, what kind of traffic is lower latency traffic of r-TWT?

C: Is there the definition of network latency?

A: The definition is known term in 3GPP and others.

C: New term in IEEE ?

A: We can defer.

C: What is the certain reliability constraints? Ambiguous.

7462, 5662, 6479 were defered in the document.

**SP: Do you support to accept the resolution in 11-22/325r3 for the following CIDs?**

7730, 4120, 4711, 5727, 6333, 6508, 6509, 7083, 5660,

5661, 5663, 6513, 4152, 7082, 5359, 5642, 6477, 7676,

7875, 4092, 5643, 7485, 7677

32/14/24

1. [0292r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0292-01-00be-cc36-mlo-power-save-procedures-part-2.docx) MLO Power Save Procedures (part 2) Abhishek Patil [11 CIDs]

Discusion:

C: Is that MLD BSS operation?

C: Is that APSD or U-APSD?

C: what about active mode in traffic indication?

A: In active mode, the bit is set to 0.

**SP: Do you support to accept the resolution in 11-22/292r4 for the following CIDs?**

5261 5353 6303 8036 7414 6159 7501 8297 7876 8362

No objection

1. [1277r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1277-00-00be-cc36-cr-for-d1-0-group-key-handshake-cids.docx) Group Key handshake CIDs Rojan Chitrakar [5 CIDs Cont.]

Discussion:

C: My comment suggests only to add the reference.

A: already there.

C: 6205, 12.6.1.1.11, For authenticator MAC address, you may add the non-MLO like BIGTK.

C: Just explanation for MLD, the authenticator’s MAC address is the MLD MAC address. Anyway, both have the authenticaor’s MAC address. We don’t need any addition.

**SP: Do you support to accept the resolution in 11-21/1277r0 for the following CIDs?**

6205, 6632, 6723, 6724, 7883

No objection

1. [1973r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1973-00-00be-comment-resolution-35-1-and-35-3-1.docx) CID-spreadsheet-35-1-and-35-3-1 Carol Ansley [5 CIDs]

Discussion:

C: What is the 1971r0?

A: I have to correct it(to 1973r2). The same document.

C: You need to add the CID.

C: Need to be normative text. You can add the shall.

C: generalize.

C: 6176 can be defered.

Discussion on clause 9 frame format. The related CID was defered.

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

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