IEEE P802.11  
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc meeting in Nov 2022 | | | | |
| Date: 2022-11-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | NXP |  |  |  |
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Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc sessions in Nov 2022.

Revisions:

* Rev0: Added the minute from the MAC ad hoc sessions held on Nov 11.

**Friday 11 Nov 2022, AM1 (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a webex and in Bangkok (in-person).

**Introduction**

1. The Chair (Jeongki Kim, Ofinno) calls the meeting to order at 08:10am. 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 meeting
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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The chair makes the announcement in 11-22/1840r2
7. The Chair asked whether there is comment about agenda in 11-22/1840r2. The updated agenda (1278 defered after 1454, ) is approved.

**Submissions**

1. [1756r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1756-02-00be-lb266-cr-cl35-emlsr-part4.docx) EMLSR part4 Minyoung Park [25C-5GT 25’]

Discussion:

C: 14068. The initial control frame should be always transmitted when AP initializes a TXOP with EMLSR STA.

A: 1860 address whether initial control frame is needed.

C: 13410. Can any STA of the non-AP MLD transmits the request.

A: yes.

C: 13005. The non-AP MLD shall operate in the EMLSR mode after transmitting the EML Operaiton mode frame.

A: this is not true. Otherwise the “,” will be before “and”.

C: support the removing of immediately. A note similar to OMI that requires additional time for the SE processing should be added.

A: can work together about it

SP: Do you support to accept the resolution in 11-22/1756r3 for the following CIDs?

12839, 13051, 12890, 12724, , 10055, 11653, 13078, 14068, 11779, 12673, 13410, 12676, 12678, , 13054, 12411, 13419, 12521, , 12429, 13706, 12730, 12731

No Objection

1. [1747r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1747-00-00be-lb266-cr-for-subclause-35-3-15.docx) Cr-for-subclause 35.3.15 Ming Gan [31C-8GT 30’]

Discussion:

C: change NSRT to NSTR. 12325 needs more discussion.

A: will defer it.

C: 12111. Just to make sure that nothing is broken when deleting the sentence.

A: will defer it

C: the definition of small case “n” is not right.

A: will delete the sentence.

C: concern on “all” group-addressed frames.

A: this is from baseline.

C: concern of 11591, 13799.

A: will defer them.

C: all management frames are duplicate on all links

C: no. the duplication is only applied to data frames.

C: 13389. The reolution is not good.

A: will defer it.

C: the typical cases now are not the typical cases of tomorrow. Prefer to remove the note

A: ok.

Unfinished document

Recess at 10:00am.

**Friday 11 Nov 2022, AM2 (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a webex and in Bangkok (in-person).

**Introduction**

1. The Chair (Jeongki Kim, Ofinno) calls the meeting to order at 10:30am. 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 meeting
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.
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6. The Chair asked whether there is comment about agenda in 11-22/1840r3. The proposed agenda is approved.

**Submissions**

1. [1747r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1747-00-00be-lb266-cr-for-subclause-35-3-15.docx) Cr-for-subclause 35.3.15 Ming Gan [31C-8GT 5’]

Discussion:

C: 11592. Align the text with the baseline by adding that arrives at the DS… ~~after every~~ following the next…

A: ok.

SP: Do you support to accept the resolution in 11-22/1747r3 for the following CIDs?

13899 12825 12325 10007 13922 13800 12113 11752 13517 12111 11084 13995 13923 13996 13388 13695 13997 13697 13924 13801 12385 13698 12816 13696 13998 11753

No Objection

1. [1766r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1766-00-00be-lb266-cr-for-various-cids.docx) Cr-for-various CIDs Ming Gan [11C-6GT 15’]

Discussion:

C: 11131 seems to suggest two solutions. The comment can be accepted.

A: will defer it.

C: the original two paragraphs contain the default and the non default seperately. The changes doesn’t address what the comment asks. The default part is clear. Please defer the two CIDs.

A: will defer 12930 13096.

C: 13128. PBAC is same for all affiliated STAs. “at least one STA” is not correct.

C: Block Ack is MLD level agreement. It should be PBAC MLD.

A: PBAC MLD is not defined.

C: the original text is correct.

A: will defer 13128.

C: 12897. keep the way it is.

A: will reject the comment.

SP: Do you support to accept the resolution in 11-22/1766r2 for the following CIDs?

12897 12898 13586 13129 11849 14040

No Objection

1. [1417r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1417-00-00be-lb266-cr-for-35-3-16-2.docx) CR for 35.3.16.2 Yunbo Li [26C-19GT 30’]

Discussion:

C: 10364. the original text is a note. That is why the “might” is used.

A: will defer it.

C: 13192. It seems 11be draft doesn’t disallow the AP MLD operates with one link at the beginning of the operation.

A: will defer it.

SP: Do you support to accept the resolution in 11-22/1417r0 for the following CIDs?

10249, 10250, 11442, 10498, 11261, 11571, 11754, 12651, 12652, 12653, 12654, 12655, 12657, 11262, 13742, 13849, 11959, 13802, 12357, 13803, 12358, 12656, 10499

No Objection

1. [1427r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1427-00-00be-lb266-cr-for-r-twt-replacement-link.docx) LB266: CR for R-TWT Replacement Link Rubayet Shafin [1C 10’]

Discussion:

C: what is the value of the removing R-TWT from one link to another link?

A: with this, the renegotiation of the membership when moving a R-TWT to a new link is not needed.

SP deferred since offline discussion is needed

1. [1279r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1279-00-00be-lb266-cr-for-cid-10705.docx) LB266 CR for CID 10705 Liangxiao Xin [1C 10’]

Discussion:

C: the motivation is that the separate R-TWT request is not needed, right?

A: right.

C: it seems such optimization is not needed.

SP deferred since offline discussion is needed

1. [1534r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1534-00-00be-text-for-ap-initiated-eml-operating-mode-change.docx) Text for AP initiated EML Op Mode Change Juseong Moon [1C 10’]

Deferred since the author is not in the meeting.

1. [1744r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1744-00-00be-lb266-cr-for-miscellaneous-cids.docx) CR for Miscellaneous CIDs Yunbo Li [9C-8GT 15’]

Discussion:

C: the new reference, EPCS, R-TWT are optional. Normally we don’t add the references of optional features in 10.1.

A: I don’t know the rules of adding references in 10.1. But adding the EPCS and R-TWT give people the whole picture.

SP: Do you support to accept the resolution in 11-22/1744r0 for the following CIDs?

11527, 11837, 10142, 12045, 12114, 12175, 12570, 13743, 13406

No Objection

Recess at 12:30pm.

**Friday 11 Nov 2022, PM1 (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a webex and in Bangkok (in-person).

**Introduction**

1. The Chair (Jeongki Kim, Ofinno) calls the meeting to order at 10:30am. The Chair introduces himself and the Secretary.
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6. The Chair asked whether there is comment about agenda in 11-22/1840r3. The updated agenda (removing 1279) is approved.

**Submissions**

1. [1583r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1583-00-00be-cr-for-35-3-14.docx) CR for 35.3.14 Po-Kai Huang [36C 40’]

Discussion:

C: change of 10319 is not very clear.

A: the rules of this subclause will be applied to ML Probe Response.

C: The rules should be pplied to QMF equal to true.

A: QMF equal to true will be discussed in another AID.

C: 12646. The resolution doesn’t address the comment. The comment disausses the management frame between MLD to MLD.

A: will defer it and other related CIDs.

C: Is it true that frames can’t be transmitted in disabled link?

C: no. Class 1, 2 and TID to Link mapping frames can be transmitted in a link being disabled by the non-AP MLD and is enabled by the AP MLD for other non-AP MLDs.

SP: Do you support to accept the resolution in 11-22/1583r1 for the following CIDs?

12381, 12382, 12383, 10319, 10651, 10320, 10321, 10322, 10323, 10652, 10653, 11749, 11750, 11751, 12645, ,13385, 10324, 11134, 11570, , 12384, 14048, 10655,10286, 11526, 13994, 11968

No Objection

1. [1709r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1709-00-00be-lb266-cr-for-ml-reconfiguration-add-delete-link-procedure.docx) CR for ML Reconfig. Add Delete Link proc. Binita Gupta [27C 30’]

Discussion:

C: want to understand how this is used.

A: a non-AP MLD wants to add a link.

C: one issue is that the EML capabilities is not included.

A: if required, I can add it.

Unfinished document

Recess at 10:00am.

**Friday 11 Nov 2022, PM2 (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a webex and in Bangkok (in-person).

**Introduction**

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6. The Chair asked whether there is comment about agenda in 11-22/1840r4. The updated agenda (deferring Yongho’s contributions, adding Chunyu’s documents etc.) is approved.

**Submissions**

1. [1709r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1709-00-00be-lb266-cr-for-ml-reconfiguration-add-delete-link-procedure.docx) CR for ML Reconfig. Add Delete Link proc. Binita Gupta [27C 30’]

Discussion:

C: the other link’s Per-STA profile should be added for indicating the STR/NSTR of the current link link and the new added link.

A: the Per-STA Profile of the new added link already includes the information.

SP deferred for further discussion

1. [1742r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1742-00-00be-lb266-cr-for-9-4-1-74-eml-control-field.docx) CR for 9.4.1.74 EML Control field Yousi Lin [15C-7GT 20’]

Discussion:

C: 10396. This should not be rejected, i.e. the EMLMR Nss should not be less than the current operating Nss of the links in EMLMR mode.

A: will defer this comment.

C: MCS Map Count Control being 0, 1, or 2 means MCS Map Count Control present. Change the text to use “MCS Map Count Control is present”

A: ok.

C: 12872. Change each EMLMR link to any EMLMR link.

A: ok

SP: Do you support to accept the resolution in 11-22/1742r2 for the following CIDs?

10986 11383 11506 11507 11681 11898 11899 11900 12344 12871 12872 13459 13460 13554

No Objection

1. [1827r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1827-00-00be-lb266-cr-mainly-related-to-35-9-3-r-twt-announcement.docx) CR for 35.9.3 announcement Chunyu Hu [25C 30’]

Unfinished document

1. [1200r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1200-01-00be-lb266-cr-for-35-17-3-part-2.docx) CR-for-35-17-3 part 2 Yonggang Fang [1C 10’]

Discussion:

C: EPCS may be enabled in a subset of AP MLD’s links. We can add the restriction that the non-primary link is not part of the EPCS links.

A: we can provide the EDCA parameters for non-primary link.

SP: Do you support to accept the resolution in 11-22/1200r2 for the following CID?

14085

No Objection

1. [1369r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1369-00-00be-cr-for-some-cids-on-clause-9.docx) CR for some CIDs on clause-9 Morteza Mehrnoush [2C 10’]

Discussion:

C: several features in the table are at MLD level. A STA in non-AP MLD and an AP in an AP MLD are not accurate.

A: will defer the change.

Unfinished document