IEEE P802.11
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc sessions in July 2022 Plenary |
| Date: 2022-07-11 |
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Abstract

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

Revisions:

* Rev0: Added the minute from the MAC ad hoc held on July 11 AM1 session.
* Rev1: Added the minute from the MAC ad hoc held on July 11 PM2 session.
* Rev2: Added the minutes from the MAC ad hocs held on July 12 PM1&PM2 and July 13 PM2 session.

**Monday 11 July 2022, AM1 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 08:00. 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-22/862r1. The agenda was approved.

 **Submissions**

1. [997r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0997-00-00be-cr-for-10-3-14-2-and-10-3-14-3.docx) CR for 10.3.14.2 and 10.3.14.3 Po-Kai Huang [18C]

Discussion:

C: the MLD transmits through a STA affiliated with the MLD. How about the MLD transmits through the affiliated STA.

A: Same meaning. It’s the style.

C: Ok.

SP: Do you support to accept the resolution in 11-22/997r0 for the following CIDs?

10289, 10290, 10291, 13494, 11529, 11923, 11924, 11981, 11982, 11983, 12265, 12266, 13119, 13495, 13496, 14042, 14043, 14044, 14045

No objection

1. [1004r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1004-00-00be-lb266-cr-for-ps-operation-with-mlo.docx) LB266: CR for PS operation with MLO Abhishek Patil [19C]

Discussion:

C: 10649, there are some texts related to the CID. Can you update them?

C: one of its associated STAs or APs.

C: To cover one STA, we need to bracket for the tomo comment.

SP: Do you support to accept the resolution in 11-22/1004r1 for the following CIDs?

10649, 10104, 10897, 12281, 12483, 12637, 13331, 13615, 13694, 13616, 13617, 12638, 11747, 11748, 12639, 13618, 10245, 13380, 13381

No objection

1. [1005r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1005-00-00be-lb266-cr-for-ba-operation-with-mlo.docx) LB266: CR for BA operation with MLO Abhishek Patil [14C]

Discussion:

SP: Do you support to accept the resolution in 11-22/1005r0 for the following CIDs?

10639, 12295, 11259, 11611, 10001, 13330, 13909, 13910, 11054, 11053, 10347, 10348, 13911, 10086

No objection

1. [1008r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1008-00-00be-lb266-cr-for-misc-cids-in-clause-9-4-2.docx) LB266: CR for MISC CIDs in clause 9.4.2 Abhishek Patil [10C]

Discussion:

C: what about the case that initiator is legacy STA?

A: there is a related text here.

C: any other Management frame? In Management frame carrying…

SP: Do you support to accept the resolution in 11-22/1008r1 for the following CIDs?

11184, 12776, 12052, 10549, 10557, 11509, 11510, 11511, 12055, 12968

No objection

1. [1009r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1009-00-00be-cr-for-35-3-13.docx) CR for 35.3.13 Po-Kai Huang [5C]

Discussion:

C: At the last paragraph, an MLD shall not transmit…??

A: I’m ok if no further question.

C: 11873, the current text is same as the baseline spec.

A: The meaning is same.

C: How about passed through the MAC SAP?

C: Editorial MAC SAP or MAC-SAP? For alignment.

SP: Do you support to accept the resolution in 11-22/1009r1 for the following CIDs?

11872, 11873, 11874, 11875, 12469

No objection

The teleconference was recessed at 10:00.

**Monday 11 July 2022, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 16:00. 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-22/862r1. The agenda was approved.

 **Submissions**

1. [1014r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1014-00-00be-resolution-of-cids-in-clause-3-1-related-to-epcs-cc-266.docx) Resolution of CIDs in clause 3.1 related to EPCS (CC 266) John Wullert  [9C]

Discussion:

C: minor, instead of dynamically invoked capability, use dynamically invoked functionality.

SP: Do you support to accept the resolution in 11-22/1014r1 for the following CIDs?

13296, 11471, 11785, 10182, 12031, 10183, 11786, 12032, 13297

No objection

1. [1015r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1015-00-00be-resolution-of-epcs-related-cids-in-clause-4-5-13-cc-266.docx) Resolution of EPCS-related CIDs in clause 4.5.13 (CC 266) John Wullert [14C]

Discussion:

There were discussions on WPS terminology. Already is used as Wi-fi protected setup. Defer request. There is no WPS in IEEE spec.

C: If it’s “REVISED”, add the same reason as 11790.

SP: Do you support to accept the resolution in 11-22/1015r2 for the following CIDs?

10193, 11787, 11788, 11824, 10194, 12037, 11789, 12941, 12258, 11247, 10195, 11791, 11792

No objection

1. [1019r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1019-00-00be-lb266-cr-for-clause-9-3-3.docx) LB266: CR for Clause 9.3.3 Gaurang Naik [15C]

Discussion:

A: there are two elements, one basic ML element is always present, the other is optionally present based on the conditions.

C: You changed it in Association request? Changed to “The Association Request frame is sent to an AP affiliated with the AP MLD.”

A: similar changes in different frames.

SP: Do you support to accept the resolution in 11-22/1019r2 for the following CIDs?

10532, 10534, 11379, 11052, 13251, 10984, 12051, 13727, 11049, 13456, 10536, 11380, 11051, 11050

No objection

1. [1025r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1025-00-00be-cr-for-om-part-1.docx) CR-for-OM-part-1 Po-Kai Huang [9C]

Discussion:

There were discussions on 11703 that was deferred finally.

SP: Do you support to accept the resolution in 11-22/1025r0 for the following CIDs?

~~11703~~, 13859, 10205, 11828, 12157, 12243, 12244, 12954, 12121

No objection

1. [1029r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1029-00-00be-lb266-cr-for-35-3-4-1.docx) LB266-CR-for-35.3.4.1 Laurent Cariou [19C]

SP: Do you support to accept the resolution in 11-22/1029r2 for the following CIDs?

10225 10412 10484 10612 10613 11409 11552 ~~11553~~ 11723 11724 11725 11726 11774 13625 13626 13632 13980 13981 13982

No objection

The teleconference was recessed at 18:00.

**Tuesday 12 July 2022, PM1 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 13:30. 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-22/862r5. The agenda was approved.

 **Submissions**

1. [1012r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1012-00-00be-crs-for-11be-d2-0-probe-request-ml-element-cids.docx) CRs for 11be D2.0 Probe Request ML element CIDs Rojan Chitrakar [13C]

C: When is the MLD ID not present?

A: That’s described in this subclause. 35.3.4.2.

C: Not clear the reason. You can add a note to clarify it.

A: I will defer 11398

C: 11519 is also deferred.

SP1: Do you support to accept the resolution in 11-22/1012r0 for the following CIDs?

10457, 10458, 10563, ~~10564~~, 11128, 11395, 11396, 11397, ~~11398, 11519~~, 13261, 13477

No objection

SP2: Do you support to accept the resolution in 11-22/1012r0 for the following CIDs?

10564

49Y, 11N, 27A

1. [1023r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1023-00-00be-ap-link-disablement.docx) AP Link Disablement Pooya Monajemi [7C]

C: Legacy STA can not understand the new bit. We need a mechanism for legacy STA to be able to know it.

A: We can improve it further later.

C: For second bullet in 4.3.16a, why do you want to make it mandatory?

C: The last sentence in the first paragraph is not complete sentence in last page.

There were discussions for EPCS

SP is deferred

1. [1026r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1026-00-00be-cr-for-misc-cids-for-35-3-12-4.docx) CR for misc CIDs for 35.3.12.4 Laurent Cariou [6C]

Discussion:

C: Multi-link traffic indication element instead ML traffic element.

C: Structure is similar to TIM element. Why do you propose this?

C: The last page, unicast approach, I prefer the A-Control field.

A: I can defer the related CID.

C: How do you differentiate this with link recommendation?

SP1: Do you support to accept the resolution in 11-22/1026r4 for the following CIDs?

12779 12605 12808

53Y, 25N, 24A

The teleconference was recessed at 15:30.

**Tuesday 12 July 2022, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 16:00. 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.
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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)
6. The Chair asked whether there is comment about agenda in 11-22/862r5. The agenda was approved.

 **Submissions**

1. [1023r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1023-00-00be-ap-link-disablement.docx) AP Link Disablement Pooya Monajemi [7C SP]

Discussion:

C: I have concern on the mandatory support for TID-tolink mapping for non-AP MLD. Defering 10383?

SP: Do you support to accept the resolution in 11-22/1023r5 for the following CIDs?

10013, 10383, 11105, 11760, 12623, 12911 14054

80Y, 9N, 21A

1. [1055r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1055-00-00be-lb266-cr-for-35-3-16-5-1-part-1.docx) LB266 CR for 35.3.16.5.1 Part 1 Yongho Seok [7C]

SP: Do you support to accept the resolution in 11-22/1055r1 for the following CIDs?

11136, 11444, 11446, 12660, 12661, 13807, 13808

No objection

1. [1003r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1003-00-00be-lb266-cr-for-ml-ie-rules.docx) LB266: CR for ML IE rules Abhishek Patil [76C]

Discussion:

There were discussions on unrecognized length value.

SP is deferred.

1. [1012r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1012-00-00be-crs-for-11be-d2-0-probe-request-ml-element-cids.docx) CRs for 11be D2.0 Probe Request ML element CIDs Rojan Chitrakar [13C]

Summary: CR for the deferred 11398

SP: Do you support to accept the resolution in 11-22/1012r1 for the following CID?

11398

No objection

1. [1097r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1012-00-00be-crs-for-11be-d2-0-probe-request-ml-element-cids.docx) LB266 CR for CIDs related to 9.4.2.170 Laurent Cariou (Intel)

The teleconference was recessed at 18:00.

**Wednesday 13 July 2022, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 16:00. 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) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
6. The Chair asked whether there is comment about agenda in 11-22/862r9. The agenda was approved.

 **Submissions**

1. [1003r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1003-00-00be-lb266-cr-for-ml-ie-rules.docx) LB266: CR for ML IE rules Abhishek Patil Pending [78C SP]

Discussion:

C: In the first paragraph, is it operating on the same link?

A: Yes

SP: Do you support to accept the resolution in 11-22/1003r4 for the following CID?

10298 11030 10219 10481 10220 11709 10302 12791 11405 11028 11029 11031 11255 13776 14058 11032 11256 14059 10303 10222 11716 14060 11257 11406 13890 13257 10601 13341 13979, 10600, 10389 11770 12176 10305 10223 13777 11718 10602 10439 11034 13609 13778 10603 13613 11035 13610 13780 11033 11719 10224 13781 13782 10604 11407 13342 13779 14108 10770 11036 13343 12587 12177 13612

11386 12822 11394 12823 11402 13478 11399 10566 10568 10559 10569 10570 11403 12792 12793 10599

No objection

1. [1097r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1097-00-00be-lb266-cr-for-cids-related-to-9-4-2-170.docx) LB266 CR for CIDs related to 9.4.2.170 Laurent Cariou [15C C]

Discussion:

C: Some discussions on “modulo 255”, modulo 256 excluding the value 255.

C: Some discussions on the All Updates Included subfield. 13463 is deferred.

SP: Do you support to accept the resolution in 11-22/1097r2 for the following CID?

13267 12965 10552 14114 13991 10453 13052 10553 13462 10554 10555 14023 10556 ~~13463~~ 11385

43/1N/35A

1. [1032r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1032-00-00be-cr-for-35-3-3.docx) CR for 35.3.3 Po-Kai Huang [22C]

Discussion:

Some discussions on 10308, 13621. 10308 is deferred.

SP: Do you support to accept the resolution in 11-22/1032r2 for the following CID?

~~10308,~~ 10309, 10411, 11080, 10608, 10609, 10607, 13623, 11773, 12992, 10610, 12993, 11100, 11720, 11721, 11722, 12991, 11772, 13622, 13621, 13347, 11099

No objection

1. [1059r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1059-01-00be-lb266-cr-for-10-8.docx) LB266-CR-for-10.8 Jason Y. Guo Pending [9C]

Discussion:

C: What do mean Note in table?

A: EHT TB TPDDU has the same rule as A-MPDU contents in an HE TB PPDU.

C: Instead of the text, the STA that transmits an EHT TB PPDU follows the same rules defined in 26.5.2.4.

C: EHT OM, what is it? Transmitting STA or the recipient STA?

A: the recipient STA

C: SRS as well. Same issue in other parts (e.g., TRS).

SP: Do you support to accept the resolution in 11-22/1059r2 for the following CID?

10843 11842 11843 11851 12060 12783 12975 13122 13714

No objection.

1. [1007r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1007-00-00be-lb266-cr-for-mbssid-operation-with-mlo.docx) LB266: CR for MBSSID operation with MLO Abhishek Patil [7C]

Presented but not finished

The teleconference was adjourned at 18:00.