IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Minutes for TGbe MAC Ad-Hoc sessions in March 2023 Plenary | | | | |
| Date: 2023-03-14 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Jeongki Kim | Ofinno |  |  | [jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com) |
| Liwen Chu | NXP |  |  |  |
|  |  |  |  |  |

Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc sessions in March 2023 Plenary.

Revisions:

* Rev0: Added the minute from the MAC ad hocs held on March 14 AM2 & PM2.
* Rev1: Added the minute from the MAC ad hocs held on March 15 AM2 & PM2 and March 16 AM1.

**March 14, 2023, AM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:30. 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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/0191r4. The agenda was approved.

**Submissions**

1. [287r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0287-00-00be-cr-for-13.docx) CR for 13 Po-Kai Huang [7C ]

SP: Do you support to accept the resolution in 11-23/287r1 for the following CIDs?

15388, 15389, 15690, 15390, 15391, 15393, 17912

No objection

1. [289r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0289-00-00be-cr-for-editorial-cids.docx) CR for editorial CIDs Po-Kai Huang [50C]

C: we don’t need the comma there

C: 15983, after successful setup, they have set up links instead of set up.

A: Ok I will defer this.

SP: Do you support to accept the resolution in 11-23/289r2 for the following CIDs?

15038, 15158, 15159, 15183, 15184, 15347, 15348, 17486, 15358, 15484, 15507, 15511, 15520, 16477, 15548, 15549, 16608, 17964, 16327, 16607, 16331, 16835, 16836, 16838, 16839, 16840, 15628, 15636, 15692, 15861, 16131, 16324, 16326, 16688, 16749, 16750, 17000, 17098, 17099, 17545, 17547, 17548, 17549, 17556, 18004, 17558, 17911, 17917No objection

1. [299r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0299-00-00be-cr-for-om.docx) CR for OM Po-Kai Huang [17C]

C: Can you defer “17275 17276 17278 17279 17280”?

A: ok

SP: Do you support to accept the resolution in 11-23/299r1 for the following CIDs?

16390, 17277,17096, 17097, 17346,17987, 15363, 15906, 17557, 17595, 17596, 17489

No objection

1. [323r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0323-00-00be-cr-for-35-3-5.docx) CR for 35.3.5 Po-Kai Huang [24C]

C: 15049 is deferred

Some discussion on moving the example to annex.

Not finished

The session was recessed at 12:29.

**March 14 2023, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Atlanta (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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/0191r6. The agenda was approved.

**Submissions**

1. [323r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0323-00-00be-cr-for-35-3-5.docx) CR for 35.3.5 Po-Kai Huang [24C]

SP: Do you support to accept the resolution in 11-23/323r3 for the following CIDs?

15049, 15399, 17889, 15682, 15860, 15982, 18194, 16091, 18278, 16240,18277, 16695, 17888, 17890, 17891, 18192, 18193, 18195, 18196, 18197, 18198, 18199, 18200

No objection

1. [335r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0335-00-00be-cr-for-4-5-3-and-11-3.docx) CR for 4.5.3 and 11.3 Po-Kai Huang [15C]

SP: Do you support to accept the resolution in 11-23/335r2 for the following CIDs?

15185, 15186, 15187, 15290, 15291, 15292, 15293, 15353, 15493, 15189, 15508, 15509, 15510, 18280,

No objection

1. [301r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0301-01-00be-lb271-cr-for-35-3-8-part-1.docx) LB271-CR for 35.3.8-part 1 Abhishek Patil [30C]

SP: Do you support to accept the resolution in 11-23/301r4 for the following CIDs?

15405 15532 18156 15533 15534 15209 16795 16794 1679316797 16796 16798 15535 18157 15122 15536 16799 16278 16801 16802 16803 15123 15124 15825 16804 16805 16806 17830 17831

No objection

1. [354r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0354-00-00be-cr-for-some-clauses-in-9-4.docx) CR for Some clauses in 9.4 Po-Kai Huang [16C]

SP: Do you support to accept the resolution in 11-23/354r1 for the following CIDs?

15357, 17485, 17487, 18081, 17546, 1755418100, 17747, 17969, 17970, 15959

No objection

Po-kai requested to defer the 18100 after SP. It will be removed from motion text.

1. [348r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0348-00-00be-cr-for-35-3-16-1.docx) CR for 35.3.16.1 Insun Jang [2C]

SP: Do you support to accept the resolution in 11-23/348r1 for the following CIDs?

16382, 16856

No objection

1. [343r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0343-00-00be-crs-for-11be-d3-0-miscel-mac-cids.docx) CRs for 11be D3.0 miscel MAC CIDs Rojan Chitrakar [4C]

SP: Do you support to accept the resolution in 11-23/343r1 for the following CIDs?

15182, 15492, 16328, 16990

No objection

1. [344r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0344-00-00be-crs-for-11be-d3-0-probe-request-mle-cids.docx) CRs for 11be D3.0 Probe Request MLE CIDs Rojan Chitrakar [3C]

SP: Do you support to accept the resolution in 11-23/344r2 for the following CIDs?

17908, 17966, 17967

No objection

The session was recessed at 18:00.

**March 15, 2023, AM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

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

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:30. 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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/0191r7. The agenda was approved.

**Submissions**

1. [358r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0358-00-00be-lb271-cr-for-basic-multi-link-element-part-1.docx) LB271: CR for Basic Multi-Link element - part 1 Gaurang Naik [24C]

SP: Do you support to accept the resolution in 11-23/358r2 for the following CIDs?

16857, 15365, 16393, 17611, 15367, 17614, 15368, 17615, 15948, 17619, 17620, 17622, 17651, 17652, 17653, 16581, 17655, 17656, 17658, 17659, 17661, 17665, 17664, 17670, 17668

No objection

1. [351r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0351-00-00be-lb271-cr-editorials-for-clause-35-3-7-3.docx) LB271 CR Editorials for Clause 35.3.7.3 Arik Klein [14C]

SP: Do you support to accept the resolution in 11-23/351r1 for the following CIDs?

15118, 15119, 15120, 15600, 15630, 15752, 16190, 16348, 16467, 16590, 16591, 16592, 17340, 17829

No objection

1. [372r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0372-00-00be-lb271-cr-for-txs-txop-retrun.docx) LB271 CR for TXS TXOP retrun (3 CIDs) Yunbo Li [3C]

Some editorial changes were made.

C: What is the purpose of value 1 for TXS? since it only mentions usage of value 0

C: so if the PPDU has the CAS control then you keep it to 1 to not return the alloc

C: There should be some comments in normative subclasue we can take care of this ambiguity

SP: Do you support to accept the resolution in 11-23/372r1 for the following CIDs?

15801, 17305, 17379

No objection

1. [377r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0377-00-00be-lb271-cr-for-some-cids-in-35-3-12-4.docx) LB271 CR for some CIDs in 35.3.12.4 Laurent Cariou [12C]

SP: Do you support to accept the resolution in 11-23/377r2 for the following CIDs?

16457, 15087, 15871, 16043, 16535, 16448

No objection

1. [371r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0371-00-00be-lb271-cr-for-9-4-2-312-2-3-mld-capabilities-and-operation-subfield.docx) LB271 CR for 9.4.2.312.2.3 MLD Cap. and Op. subfield (8 CIDs) Yunbo Li [8C]

SP: Do you support to accept the resolution in 11-23/371r1 for the following CIDs?

15116, 16579, 16580, 16859, 17648, 17650

No objection

1. 360r1 LB271 CR for ML Reconfiguration 35.3.6 part 1 Binita Gupta (Meta)

SP: Do you support to accept the resolution in 11-23/360r2 for the following CIDs?

15051 15401 15402 15403 15521 15862 15863 15864 15865 15986 15989 15991 15994 15995 15996 16110 16111 16241 16466 16583 16584 16585 17937 17938 17939 17940 18115 18120 18127

No objection

1. [303r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0303-01-00be-lb271-cr-for-35-3-12-part-1.docx) LB271- CR for 35.3.12-part 1 Abhishek Patil [24C]

Not finished

The session was recessed at 12:30.

**March 15 2023, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Atlanta (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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/0191r9. The agenda was approved.

**Submissions**

1. [303r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0303-01-00be-lb271-cr-for-35-3-12-part-1.docx) LB271- CR for 35.3.12-part 1 Abhishek Patil [24C]

SP: Do you support to accept the resolution in 11-23/303r3 for the following CIDs?

15408 18159 16524 15868 18160 16818 16598 16525 16098 16526 17957 17958 16819 16036 16037 15540 16038 16099 16100 16101 16102 16103 16104

No objection

1. [296r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0296-00-00be-lb271-cids-assigned-to-abhi-part-1.docx) LB271: CIDs assigned to Abhi - Part 1 Abhishek Patil [60C]

C: The last sentence is not clear to me. There is already the related text in the spec.

A: Ok. I can remove it.

18090 is deferred, which is related to NSTR mobile AP.

C: What is active link? Enabled link or setup link?

A: links that the STA can be active on.

18091 is deferred after discussion.

18114 is deferred after discussion.

C:16012, the first bullet is just AP behavior. STA does not know it.

C: the second bullet, we don’t know the restriction (the number of links) for default link. We need to elaborate it.

C: 17551, link identifier, the second subbullet

17551 is deferred after discussion.

17864, 17613 are deferred after discussion.

15356, 18258 were deferred after discussion.

SP: Do you support to accept the resolution in 11-23/296r3 for the following CIDs?

17483 18259 18080 17904 15162 17761 17594 17610 15366 17612 18087 18088 16453 15949 17634 18093 17882 17660 15007 15008 15966 16080 17863 16753 16754 16178 16179 15394 16757 15603 16760 17819 18271 16762 16763 18248 15968 16764 16765 16180 18241 16181 16766 16767 16768 17915 16770 16771 16769 16773 16772 16776 16182 16188 17823 16788 15605 15857 15977 15606 16789 15979 16089 16090 15978 15858 15859 15981 15683 18174 15567 16968 18175 16969 16970 16971 16973 18176 16974 16076

No objection

The session was recessed at 18:00.

**March 16, 2023, AM1 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Atlanta (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](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/0191r10. The agenda was approved.

**Submissions**

1. [299r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0299-01-00be-cr-for-om.docx) CR for OM Po-Kai Huang [SP 5C]

SP: Do you support to accept the resolution in 11-23/299r1 for the following CIDs?

17275, 17276, 17278, 17279, 17280

No objection

1. [289r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0289-03-00be-cr-for-editorial-cids.docx) CR for editorial CIDs Po-Kai Huang [SP 3C]

SP: Do you support to accept the resolution in 11-23/289r3 for the following CIDs?

15039 , 15983, 17389

No objection

1. [337r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0337-03-00be-lb271-cr-cl9-emlsr.docx) LB271 CR CL9 EMLSR Minyoung Park [SP 3C]

SP: Do you support to accept the resolution in 11-23/337r4 for the following CIDs?

15903, 15904, 17515

No objection

1. [~~301r5~~](https://mentor.ieee.org/802.11/dcn/23/11-23-0301-05-00be-lb271-cr-for-35-3-8-part-1.docx) ~~LB271-CR for 35.3.8-part 1 Abhishek Patil [SP 3C]~~
2. [361r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0361-00-00be-lb271-cr-for-reconfiguration-ml-element-part-1.docx) LB271 CR for Reconfiguration ML element - part 1 Binita Gupta [12C]

C: Operation parameter update is considered by AP MLD?

C: AP removal is only by AP now.

C: 15950, were discussed at last round. Does not reach consensus. It need to be handled with other CIDs.

A: This is just for clarification. It’s aligned with normative text in current spec.

15950 will be discussed offline.

C: Could you defer 15950 and 15951? we should resolve this CID and other CIDs about the text of BTM Request in Clause 35.

C: 15952, you can add one more text, like otherwise it is not present.

C: Can you defer 15950, 15951, 15952, 15953? 15956 as well.

A: Fine.

SP: Do you support to accept the resolution in 11-23/361r3 for the following CIDs?

15369 15481 15595 15954 15955 18295

No objection

1. [362r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0362-00-00be-cr-for-lb271-cids-part1.docx) CR for LB271 CIDs - Part1 Rubayet Shafin [7C]

SP: Do you support to accept the resolution in 11-23/362r1 for the following CIDs?

15892, 15486, 15930, 15932, 16166, 16647, 16649

No objection

1. [364r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0364-00-00be-lb271-cr-for-r-twt-part-1.docx) LB271 CR for R-TWT - part 1 Kumail Haider [33C]

C: 17588 is changed from reject to revised.

C: new field is just Reserved field for legacy. Not reserved.

SP: Do you support to accept the resolution in 11-23/364r2 for the following CIDs?

17169, 17579, 17285, 17582, 17583, 17286, 17584, 16133, 16473, 17585, 15803, 15804, 17586, 17587, 17588, 17589

15671, 16138, 15830, 16061, 15422, 15672, 15485, 16062, 17079, 16063, 17080, 17081, 17082, 15846, 15831, 16165

No objection

1. [376r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0376-00-00be-lb271-cr-for-ul-mu-operation.docx) cr-for-UL-MU-Operation (6 CIDs) Jason Y. Guo [6C]

C: AID12 matching the AID of non-AP MLD.. instead of not equal to 0 or 2045.

C: intended for a specific non-AP STA is better.

C: individually addressed to a non-AP STA

C: Remove the subclause that is not changed. And No editor instruction.

SP: Do you support to accept the resolution in 11-23/376r2 for the following CIDs?

15620 15661 15660 17029 17030 17031

No objection

The session was recessed at 10:00.