IEEE P802.11  
Wireless LANs

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| Minutes for TGbe MAC 2023 July Ad-Hoc meeting | | | | |
| Date: 2023-07-06 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | NXP |  |  |  |
| Jeongki Kim | Ofinno |  |  |  |
|  |  |  |  |  |

Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc meeting in July 2023.

Revisions:

* Rev0:
  + Added the minutes from the telephone conferences held on July 06, July 07, July 08

**Thursday 06 July 2023, 09:00am – 10:30am (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 09:00am. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

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| Breakout | Timestamp | Name | Affiliation |
| TGbe (MAC) | 7/6 | Kim, Geon Hwan | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Quan, Yingqiao | Spreadtrum |
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| TGbe (MAC) | 7/6 | Gupta, Binita | Meta Platforms, Inc. |

1. The Chair reminded that the agenda can be found in 11-23/0921r2. The Chair asked for the comments about the agenda. No response was received. The proposed agenda wass approved.

* Technical Submissions:
  1. [745r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0745-00-00be-lb271-cr-35-3-18-part-3.docx) CR 35.3.18 part 3 Liwen Chu [24C**]**

Discussion:

C:

SP: Do you support to accept the resolution in 11-23/745r1 for the following CIDs?

16304 16946 15922 16429 16947 16562 15452 15917 16948

17858 17859 16949 16563 16951 17866 17884 15155 16952 16953

16954 15921 16428 15129

No Objection

* 1. 859r0 Misc CIDs Gaurang Naik [10C**]**

Discussion:

C: last CID. Remove ”a” from ”a Beacon”.

A: ok.

C: 16170. There is no other subfields. Change to ”B1 to B4 of the AP MLD Type Indication...”.

A: ok.

SP: Do you support to accept the resolution in 11-23/859r1 for the following CIDs?

15688, 16234, 17621, 17637, 16170, 18022, 17669, 17672, 17674, 16785

No Objection

* 1. [1056r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1056-00-00be-cr-for-cid-15679.docx) CR for CID 15679 Po-Kai Huang [1C**]**

Discussion:

C: if a STA associated with an AP MLD loses the association and does the association again by using the same address, the association request may be rejected because of the previous association is still there. The rejection frame will have no reason for the rejection.

A: have no strong position for the status code.

C: are you talking about MLD address collision?

A: no, the CID is about link address collision.

C: the non-AP MLD can use the same MLD address as the link address to address the issue.

A: a non-AP MLD can have multiple links where each link has the different link address.

C: please defer it for further discussion.

A: ok.

SP: Do you support to accept the resolution in 11-23/1056r0 for the following CIDs?

SP deferred

* 1. [1070r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1070-00-00be-lb271-cr-for-a-mpdu-in-eht-ppdu-part-2.docx) CR for A-MPDU in EHT PPDU-Part 2 SunHee Baek [3C**]**

Discussion:

C:

SP: Do you support to accept the resolution in 11-23/1070r0 for the following CIDs?

16137, 17034, 17039

No Objection

* 1. [1083r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1083-00-00be-lb271-cr-for-35-2-3-part-2.docx) CR for 35.2.3-Part2 SunHee Baek [1C**]**

Discussion:

C

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

15669

No Objection

Recessed at 10:29am

**Thursday 06 July 2023,10:45am – 12:15pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and ebex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:45am. The Chair introduces himself and the Secretary, Liwen (NXP)
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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4. The Chair recommends using IMAT for recording the attendance.
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1. The Chair reminded that the agenda can be found in 11-23/0921r2. The Chair asked for the comments about the agenda. 1122 was added. The updated agenda was approved.

* Technical Submissions:
  1. [1069r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1069-00-00be-lb271-cr-for-a-mpdu-in-eht-ppdu-part-1.docx) CR for A-MPDU in EHT PPDU-Part 1 SunHee Baek [7C**]**

Discussion:

C: do we have the rule that an EHT STA may transmit class 1 and 2 frame in EHT PPDU? The reason for class 1 and 2 frame in HE PPDU is that 6GHz band is clean band.

A: will defer the first CID for offline checking.

SP: Do you support to accept the resolution in 11-23/1069r0 for the following CIDs?

17035, 17036, 17037, 17038, 17040, 17362

No Objection

* 1. [1019r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1019-00-00be-lb271-cr-for-clause-35-3-7-5-3.docx) CR for Clause 35.3.7.5.3 Arik Klein [8C**]**

Discussion:

C: 15285. The timer being set must satisfy the regulatory rule. Don’t know why the CID is rejected.

A: DFS channel is not mentioned in the baseline.

C: please do offline discussion.

A: ok.

C: 16025. Probe Request is correct.

A: the last bullet cover Probe Requet. The SHALL requirement is applied to ML probe request.

SP: Do you support to accept the resolution in 11-23/1019r1 for the following CIDs?

15824, 15867, 16024, 16025, 16026, 16114, 16514

No Objection

* 1. [302r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0302-00-00be-lb271-cr-for-35-3-9-part-1.docx) CR for 35.3.9-part 1 Abhishek Patil [8C**]**

Discussion:

C: my comment is to disallow dynamic fragmentation. For Mark’s comment, it can be dealed separately.

A: it is better to clarify the usage of dynamic fragmentation.

C: agree with the previous comment.

C: the direction is ok. Just to limit to link level of the transmission of dynamic transmission.

SP: Do you support to accept the resolution in 11-23/302r0 for the following CIDs?

18158 15537 18038 No Objection

* 1. [1088r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1088-00-00be-lb271-cr-for-35-3-3-6-2-part-2.docx) CR for 35.3.3.6.2 Part 2 Yelin Yoon [1C**]**

Discussion:

None

SP: Do you support to accept the resolution in 11-23/1088r0 for the following CIDs?

16183

No Objection

* 1. [1050r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1050-00-00be-lb271-miscellaneous-cids.docx) Miscellaneous CIDs Yunbo Li [3C**]**

Discussion:

C: 18320. Ok with the rejection. But the rejection reason is not good. Disabling a link through TID to link mapping can save power.

A: will do offline discussion.

C: 18320. Don’t understand why the relies mentioned ”fails to identify the issue”. Please defer the following CID also.

A: ok.

SP: Do you support to accept the resolution in 11-23/1050r0 for the following CID?

16293

No Objection

* 1. [1049r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1049-00-00be-lb271-cr-for-cid-16206.docx) cr-for-CID 16206 Yunbo Li [1C**]**

Discussion:

C: It is difficult to control the deleting operation right before the processing of the received A-MPDU.

A: this is ”should” requirement.

C: the issue is ”right before”. ”before” may be ok.

A: will defer the CID.

C: Do we have limit to the same TID? The frames from different TIDs can also trigger the issue.

A: the different TIDs will not create the issue.

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

SP deferred

* 1. [1122r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1122-00-00be-remaining-11be-cids-misc.docx) CR for assigned CIDs George Cherian [26C**]**

Discussion:

C: the client side has no receiving capability. The related capability at client side needs to be clarified.

A: it should be covered in the other place.

C: please do the offline discussion.

A: ok

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

Unfinished document

Recessed at 12:16pm

**Thursday 06 July 2023,01:30pm – 03:30pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and ebex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 01:30pm. The Chair introduces himself and the Secretary, Liwen (NXP)
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.
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| TGbe (MAC) | 7/6 | Koundourakis, Michail | Samsung Cambridge Solution Centre |
| TGbe (MAC) | 7/6 | Nayak, Peshal | Samsung Research America |
| TGbe (MAC) | 7/6 | Qi, Yue | Samsung Research America |
| TGbe (MAC) | 7/6 | Jungnickel, Volker | Fraunhofer Heinrich Hertz Institute |
| TGbe (MAC) | 7/6 | Haider, Muhammad Kumail | Meta Platforms Inc. |
| TGbe (MAC) | 7/6 | Gupta, Binita | Meta Platforms, Inc. |

1. The Chair reminded that the agenda can be found in 11-23/0921r2. The Chair asked for the comments about the agenda. 1122 was added. The updated agenda was approved.

* Technical Submissions:
  1. [1122r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1122-00-00be-remaining-11be-cids-misc.docx) CR for assigned CIDs George Cherian [26C**]**

Discussion:

C: here the text allows a NSTR mobile AP MLD to do the reception/transmission. This change is not in line with subclause 35.

A: will defer this one.

C: the procedure is complicated.

A: the different cases are rewriten through if ...else ... style.

C: one case is missing: stop the TID-to-link mapping.

A: ”otherwise” covers it.

C: do you assume TID-to-link mapping mode 3?

A: no.

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

SP deferred.

* 1. [1101r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1101-00-00be-lb271-cr-35-3-18-remaining-cids.docx) CR 35.3.18 remaining CIDs Liwen Chu [12C**]**

Discussion:

C:

SP: Do you support to accept the resolution in 11-23/1101r0 for the following CIDs?

15128, 15924, 16431, 16439, 18214, 18216, 18217, 18232,

No Objection

* 1. [644r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0644-00-00be-lb271-cr-for-35-3-8-part-2.docx) CR for 35.3.8-part 2 Abhishek Patil [10C**]**

Discussion:

None

SP: Do you support to accept the resolution in 11-23/644r1 for the following CIDs?

18028 18029 18030 18031 18032 18033 18034 18035 18036 18037

No Objection

* 1. [1047r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1121-00-00be-lb271-cr-for-subclause-3-2.docx) cr-for-10.3.2.9 and 10.3.2.11 Yunbo Li [3C**]**

Discussion:

None

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

SP deferred per the request

* 1. [1045r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1045-00-00be-lb271-cr-for-35-2-1-2-2.docx) cr-for 35.2.1.2.2 Yunbo Li [3C**]**

Discussion:

C: 15936, why are QoS Data/Null mentioned but the Management frame is not mentioned?

A: will defer the comment.

SP: Do you support to accept the resolution in 11-23/1045r0 for the following CIDs?

16721, 16723, 17260, 17808, 18245, 18246

No Objection

* 1. [1105r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1105-00-00be-lb271-cr-for-3-2.docx) CR for 3.2 GeonHwan Kim [1C**]**

Discussion:

None

SP: Do you support to accept the resolution in 11-23/1105r0 for the following CID?

16218

No Objection

* 1. [1121r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1121-00-00be-lb271-cr-for-subclause-3-2.docx) CR for subclause 3.2 Liwen Chu [7C**]**

Discussion:

C: the definition is too complicated. You don’t need to use two bullets.

A: ok.

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

SP deferred

Recessed at 3:30pm

**Thursday 06 July 2023,04:00pm – 06:00pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and ebex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 04:00pm. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbe (MAC) | 7/6 | Kim, Geon Hwan | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Quan, Yingqiao | Spreadtrum |
| TGbe (MAC) | 7/6 | Kim, Sanghyun | WILUS Inc |
| TGbe (MAC) | 7/6 | Yoon, Yelin | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Zhou, Lei | H3C Technologies Co., Limited |
| TGbe (MAC) | 7/6 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (MAC) | 7/6 | Cha, Dongju | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbe (MAC) | 7/6 | Lorgeoux, Mikael | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Adachi, Tomoko | TOSHIBA Corporation |
| TGbe (MAC) | 7/6 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbe (MAC) | 7/6 | Zhao, Yue | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/6 | Gu, Xiangxin | Unisoc |
| TGbe (MAC) | 7/6 | Petrick, Albert | InterDigital, Inc. |
| TGbe (MAC) | 7/6 | Erkucuk, Serhat | Ofinno |
| TGbe (MAC) | 7/6 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/6 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbe (MAC) | 7/6 | Choi, Jinsoo | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Li, Weiyi | Spreadtrum |
| TGbe (MAC) | 7/6 | VIGER, Pascal | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (MAC) | 7/6 | Chu, Liwen | NXP Semiconductors |
| TGbe (MAC) | 7/6 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| TGbe (MAC) | 7/6 | Naik, Gaurang | Qualcomm Technologies, Inc |
| TGbe (MAC) | 7/6 | Monajemi, Pooya | Apple Inc. |
| TGbe (MAC) | 7/6 | Fischer, Matthew | Broadcom Corporation |
| TGbe (MAC) | 7/6 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/6 | Shafin, Rubayet | Samsung Research America |
| TGbe (MAC) | 7/6 | Fang, Yonggang | Mediatek |
| TGbe (MAC) | 7/6 | Wang, Huizhao | NXP Semiconductors |
| TGbe (MAC) | 7/6 | Jang, Insun | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Kim, Jeongki | Ofinno |
| TGbe (MAC) | 7/6 | Baek, SunHee | LG ELECTRONICS |
| TGbe (MAC) | 7/6 | Mehrnoush, Morteza | Apple Inc. |
| TGbe (MAC) | 7/6 | Chemrov, Kirill | IITP RAS |
| TGbe (MAC) | 7/6 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (MAC) | 7/6 | Abouelseoud, Mohamed | Apple Inc. |
| TGbe (MAC) | 7/6 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (MAC) | 7/6 | Ghosh, Chittabrata | Apple Inc. |
| TGbe (MAC) | 7/6 | Bankov, Dmitry | IITP RAS |
| TGbe (MAC) | 7/6 | GUIGNARD, Romain | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Ratnam, Vishnu | Samsung Research America |
| TGbe (MAC) | 7/6 | Chung, Chulho | SAMSUNG |
| TGbe (MAC) | 7/6 | Ng, Boon Loong | Samsung Research America |
| TGbe (MAC) | 7/6 | Fujimori, Yuki | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGbe (MAC) | 7/6 | Wang, Qi | Apple, Inc. |
| TGbe (MAC) | 7/6 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbe (MAC) | 7/6 | Yee, James | MediaTek Inc. |
| TGbe (MAC) | 7/6 | Wullert, John | Peraton Labs |
| TGbe (MAC) | 7/6 | baron, stephane | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Lu, kaiying | MediaTek Inc. |
| TGbe (MAC) | 7/6 | Yang, Jay | Nokia |
| TGbe (MAC) | 7/6 | Nezou, Patrice | Canon Research Centre France |
| TGbe (MAC) | 7/6 | Koundourakis, Michail | Samsung Cambridge Solution Centre |
| TGbe (MAC) | 7/6 | Nayak, Peshal | Samsung Research America |
| TGbe (MAC) | 7/6 | Qi, Yue | Samsung Research America |
| TGbe (MAC) | 7/6 | Jungnickel, Volker | Fraunhofer Heinrich Hertz Institute |
| TGbe (MAC) | 7/6 | Haider, Muhammad Kumail | Meta Platforms Inc. |
| TGbe (MAC) | 7/6 | Gupta, Binita | Meta Platforms, Inc. |

1. The Chair reminded that the agenda can be found in 11-23/0921r2. The Chair asked for the comments about the agenda. No response was received. The proposed agenda was approved.

* Technical Submissions:
  1. [1124r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1124-00-00be-lb271-cids-on-tdls.docx) CIDs on TDLS Rubayet Shafin [11C**]**

Discussion:

C: What is proposed can be achieved through power manamgent. The signaling can be used for the other purpose.

A: the power management may work, but it is not the complete solution.

C: similar comment as the previous person.

C: for the rejected CIDs which were discussed in the past, please add the related reference.

A: ok.

SP: Do you support to accept the resolution in 11-23/1124r0 for the following CIDs?

SP deferred

* 1. 732r1 CR for 35.2.1.1 Kaiying Lu [10C**]**

Discussion:

C: removing 320MHz implies that 320MHz support is mandatory.

A: the reason for removing 320MHz is that anyway an EHT STA needs to support BW signaling of 320MHz.

C: 320MHz is not addressed by the previous spec.

A: B7 needs to be set to 0.

SP: Do you support to accept the resolution in 11-23/732r2 for the following CIDs?

16671, 16716, 17975, 17976, 18284,

No Objection

* 1. [1051r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1051-00-00be-lb271-cr-for-some-cids.docx) CR for Some CIDs Ming Gan [9C**]**

Discussion:

C: CID 17352. Don’t understand why MIB variable is needed for this capability.

A: can remove this part.

C: 18178. The CID should be rejected instead of adding more material for Abridged field.

A: will defer it.

C: 18179. If the first sentence is deleted, it should be “shall not” for the case of the multiple Neighbor report element for the same AP MLD.

A: ok.

C: 18181. Why is “without the disassociation” added?

A: this what the commnter asked.

SP: Do you support to accept the resolution in 11-23/1051r2 for the following CIDs?

15474 17352 15880 15881 18179 18180 18181

No Objection

* 1. 732r2 CR for 35.2.1.1 Kaiying Lu [10C**]**

The chair asked to rerun the SP since the CID list is not correct per the author

SP: Do you support to accept the resolution in 11-23/732r2 for the following CIDs?

16718, 17805, 17913, 18006, 18285

No Objection

* 1. [1118r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1118-00-00be-lb271-misc-cids.docx) Misc. CIDs Liwen Chu [3C**]**

Discussion:

No

SP: Do you support to accept the resolution in 11-23/1118r0 for the following CIDs?

17344, 17550, 18321

No Objection

* 1. [1123r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1123-00-00be-cr-for-18265.docx) CR for 18265 Po-Kai Huang [1C**]**

Discussion:

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

No time for the Q&A and run the SP

Recessed at 5:59pm

**Friday 07 July 2023,09:00am – 10:30am (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 09:00am. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbe (MAC) | 7/7 | Kim, Geon Hwan | LG ELECTRONICS |
| TGbe (MAC) | 7/7 | Erkucuk, Serhat | Ofinno |
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| TGbe (MAC) | 7/7 | Zhao, Yue | Huawei Technologies Co., Ltd |
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| TGbe (MAC) | 7/7 | Cha, Dongju | LG ELECTRONICS |
| TGbe (MAC) | 7/7 | Wang, Huizhao | NXP Semiconductors |
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| TGbe (MAC) | 7/7 | Baek, SunHee | LG ELECTRONICS |
| TGbe (MAC) | 7/7 | Petrick, Albert | InterDigital, Inc. |
| TGbe (MAC) | 7/7 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| TGbe (MAC) | 7/7 | Zhou, Lei | H3C Technologies Co., Limited |
| TGbe (MAC) | 7/7 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/7 | Gu, Xiangxin | Unisoc |
| TGbe (MAC) | 7/7 | Huang, Po-Kai | Intel |
| TGbe (MAC) | 7/7 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (MAC) | 7/7 | Chu, Liwen | NXP Semiconductors |
| TGbe (MAC) | 7/7 | Li, Weiyi | Spreadtrum |
| TGbe (MAC) | 7/7 | Haider, Muhammad Kumail | Meta Platforms Inc. |
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| TGbe (MAC) | 7/7 | Mehrnoush, Morteza | Apple Inc. |
| TGbe (MAC) | 7/7 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (MAC) | 7/7 | Ng, Boon Loong | Samsung Research America |
| TGbe (MAC) | 7/7 | Kim, Sanghyun | WILUS Inc |
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| TGbe (MAC) | 7/7 | Chemrov, Kirill | IITP RAS |
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| TGbe (MAC) | 7/7 | GUIGNARD, Romain | Canon Research Centre France |
| TGbe (MAC) | 7/7 | Yee, James | MediaTek Inc. |
| TGbe (MAC) | 7/7 | Kim, Jeongki | Ofinno |
| TGbe (MAC) | 7/7 | Quan, Yingqiao | Spreadtrum |
| TGbe (MAC) | 7/7 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (MAC) | 7/7 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbe (MAC) | 7/7 | Nezou, Patrice | Canon Research Centre France |
| TGbe (MAC) | 7/7 | Adachi, Tomoko | TOSHIBA Corporation |
| TGbe (MAC) | 7/7 | Wullert, John | Peraton Labs |
| TGbe (MAC) | 7/7 | Bankov, Dmitry | IITP RAS |
| TGbe (MAC) | 7/7 | Sun, Bo | Sanechips |
| TGbe (MAC) | 7/7 | Sato, Takuhiro | SHARP CORPORATION |
| TGbe (MAC) | 7/7 | Nayak, Peshal | Samsung Research America |
| TGbe (MAC) | 7/7 | Wang, Qi | Apple, Inc. |
| TGbe (MAC) | 7/7 | Lou, Hanqing | InterDigital, Inc. |
| TGbe (MAC) | 7/7 | Hu, Chunyu | Facebook |
| TGbe (MAC) | 7/7 | Choi, Jinsoo | LG ELECTRONICS |
| TGbe (MAC) | 7/7 | Lu, kaiying | MediaTek Inc. |
| TGbe (MAC) | 7/7 | Patil, Abhishek | Qualcomm Incorporated |
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| TGbe (MAC) | 7/7 | Abouelseoud, Mohamed | Apple Inc. |
| TGbe (MAC) | 7/7 | Yang, Jay | Nokia |
| TGbe (MAC) | 7/7 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGbe (MAC) | 7/7 | Chen, Xiaogang | ZEKU |
| TGbe (MAC) | 7/7 | Wang, Xiaofei | InterDigital, Inc. |
|  |  |  |  |

1. The Chair reminded that the agenda can be found in 11-23/0921r3. The Chair asked for the comments about the agenda. 1125 was deferred per the request. The updated agenda was approved.

* Technical Submissions:
  1. [1077r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1077-00-00be-crs-for-11be-d3-0-supported-features-and-pics-cids.docx) CRs for supported features and PICS CIDs Rojan Chitrakar [10C**]**

Discussion:

C: operating parameter update should be non-AP MLD operating parameter update. Traffic indication should be multi-link traffic indication.

A: ok.

C: ML reconfiguration should be mandatory requirement at AP MLD side.

A: will defer it.

C: clause 4 is not nomotive. It is useless.

A: ok.

SP: Do you support to accept the resolution in 11-23/1077r2 for the following CIDs?

15046, 15047, 15352, 16386, 17341, 17342, 17343, 18064, 18066

No Objection

* 1. [1057r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1057-00-00be-lb271-cr-for-twt.docx) LB271 CR for TWT Ming Gan [21C**]**

Discussion:

C: 17354. The CID shouldn’t be rejected. The current text is misleading. The cross-link transmission doesn’t mean that TWT setup frame is at MLD level. It means that another STA transmits the frame on behalf of the STA.

A: ok to revise the CID.

C: 15571. TWT parameter range needs to have two TWT elements with same TID link bitmap value. ”Up to 2” is not correct.

A: ok

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

Unfinished document

* 1. [560r6](https://mentor.ieee.org/802.11/dcn/23/11-23-0560-04-00be-lb271-cr-for-35-3-16-2-2.docx) CR for 35.3.16.2.2 Frank Hsu [6C-Q-SP**]**

Discussion:

None

SP: Do you support to accept the resolution in 11-23/560r6 for the following CIDs?

15475 15476 16049 16444 17870 16052

No Objection

* 1. [1123r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1123-00-00be-cr-for-18265.docx) CR for 18265 Po-Kai Huang [1C-Cont.**]**

Discussion:

C: I agree with most of your change. For the rekeying, it should the requested links. Is it supplicant verification?

A: For the rekeying, the non-AP MLD may only have the setup link information. Yes, it is supplicant verification.

SP: Do you support to accept the resolution in 11-23/1123r0 for the following CID?

18265

No Objection

Recessed at 10:30am

**Friday 07 July 2023, 10:45am – 12:15pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:45am. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
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| TGbe (MAC) | 7/7 | VIGER, Pascal | Canon Research Centre France |
| TGbe (MAC) | 7/7 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
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| TGbe (MAC) | 7/7 | Wang, Xiaofei | InterDigital, Inc. |
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1. The Chair reminded that the agenda can be found in 11-23/0921r4. The Chair asked for the comments about the agenda. Unfinished 1057 and 1125 were added. The updated agenda was approved.

* Technical Submissions:
  1. [1057r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1057-00-00be-lb271-cr-for-twt.docx) LB271 CR for TWT Ming Gan [21C**]**

Discussion:

C: 17372. It seems that the case of TWT element + MLO Link Indication element is allowed.

C: agree with the understanding.

A: we can’t have the multiple solutions, e.g. TWT element with link bitmap in request and TWT element + MLO Link Indication element in response.

C: 15629. The accept of the CID is not right.

A: will defer it.

C: 15627. the reject reason is not correct. Through multiple TWT elements where one TWT element is accepted and another TWT element is rejected, what the commenter asked can be achieved.

A: what the commenter asked is single TWT element.

C: 16060. The note is not needed since it is clarified in the other subclause.

A: will defer it.

SP: Do you support to accept the resolution in 11-23/1057r2 for the following CIDs?

16059 18182 15819 17354 16998 17355 15627 15571 17357 17281 18057

No Objection

* 1. [548r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0548-05-00be-tgbe-lb271-security-comment-resolutions-part-1.docx) Security Comment Resolutions Part 1 Michael Montemurro [10C-Q SP**]**

Discussion:

None

SP: Do you support to accept the resolution in 11-23/548r5 for the following CIDs?

18019, 15140, 16368, 15194, 15067, 15142, 15195, 15196, 15197, 15512, 18283

No Objection

* 1. [661r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0661-04-00be-lb271-cids-assigned-to-abhi-part-5.docx) CIDs assigned to Abhi - Part 5 Abhishek Patil [1C-Q SP**]**

Discussion:

C: MBSSID related elements, please clarify it.

A: Multi-BSSID Index can tell the index of the AP with nontransmitted BSSID AP.

SP: Do you support to accept the resolution in 11-23/661r4 for the following CIDs?

18240

No Objection

* 1. [547r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0547-04-00be-cr-for-3-2-and-some-clauses-in-35.docx) CR for 3.2 and Some Clauses in 35 Po-Kai Huang [11C-Q SP**]**

Discussion:

C: 15995. Prefer the current text.

A: will defer the CID.

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

SP deferred

Recessed at 12:15pm

**Friday 07 July 2023, 01:30pm – 03:30pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 01:38pm. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

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| TGbe (MAC) | 7/7 | Petrick, Albert | InterDigital, Inc. |
| TGbe (MAC) | 7/7 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| TGbe (MAC) | 7/7 | Zhou, Lei | H3C Technologies Co., Limited |
| TGbe (MAC) | 7/7 | Klein, Arik | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/7 | Gu, Xiangxin | Unisoc |
| TGbe (MAC) | 7/7 | Huang, Po-Kai | Intel |
| TGbe (MAC) | 7/7 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (MAC) | 7/7 | Chu, Liwen | NXP Semiconductors |
| TGbe (MAC) | 7/7 | Li, Weiyi | Spreadtrum |
| TGbe (MAC) | 7/7 | Haider, Muhammad Kumail | Meta Platforms Inc. |
| TGbe (MAC) | 7/7 | Fang, Yonggang | Mediatek |
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|  |  |  |  |

1. The Chair reminded that the agenda can be found in 11-23/0921r4. The Chair asked for the comments about the agenda. 330 was changed to 915 per the request. The updated agenda was approved.

* Technical Submissions:
  1. **915** Resolution of EPCS-Related CIDs for BSS Transition John Wullert [6C**]**

Discussion:

C: in general, we don’t talk about EPCS authorization, right?

A: we describe EPCS authorization in D3.0.

C: it sounds a big change with EPCS in mobility domain.

C: do you assume that all AP MLDs in mobility domain will support EPCS or not?

A: yes.

C: you may need to specify it clearly.

C: without the proposal, a non-AP MLD needs to do the authorization, right?

A: you need to do reassociation, authorization without FT with EPCS support.

C: this may be adopted in UHR since it is an optimization.

C: Basicaly you want to do the optimization. With single bit indicaiton, this may be misused.

A: the initial AP MLD checks the authorization server. Within the mobility domain, the authorization state will be trnsfered within the mobility domain.

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

SP deferred

* 1. 1149r1 CR for 9.4.2.199 Abdel K. Ajami [2C**]**

Discussion:

C: accepted should be enough.

A: ok.

C: ”try to do something” should not e accepted

SP: Do you support to accept the resolution in 11-23/1149r1 for the following CIDs?

17580

No Objection

* 1. 1136r0 Prop. Re. to CIDs on EMLSR and P2P co-ex Qi Wang [2C**]**

Discussion:

C: the indication should be able to be sent after EMLSR is enabled.

A: this one-bit indication can’t carry the information about when the P2P happens.

C: is the rate selection related to the Control frame only? It is not clear what the AP does.

A: it is relarted to Data frame’s rate selection.

C: you mentioned that there is no requirement at AP side, is it right.

A: yes. The AP can use this information per the implementation.

C: this can’t solve the problem. What we want is a simple solution. NSTR non-AP MLD may also have the similar issue.

A: what we want is for EMLSR.

C: there is no way to verify it.

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

SP deferred

* 1. [353r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0353-01-00be-lb271-cr-for-p2p-and-rtwt.docx) CR for P2P and rTWT Pascal Viger [5C-Q SP**]**

Discussion:

C: agree with the overall idea. Not sure Broadcast TWT ID in PSM Request/Response is right place.

C: is Peer STA ID same as the AID?

A: yes for TDLS within the BSS.

C: the mechanism should be applicable to P2P other than TDLS.

A: TDLS is the only P2P in 802.11.

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

SP defered

* 1. 398r1 Prop. Res. to a few CIDs on MediumSyncRecovery Qi Wang [2C**]**

Discussion:

C: not sure to use half of maximal PPDU Tx time in the discussion. The chance to miss the PPDU header is high (50%) with half of maximal PPDU Tx time to set the timer.

A: it depends on the distribution of the actaul PPDU lengthes.

C: similar argument as the first comment. The values were selected after long discussion. The AP can update the values anyway.

A: baseline uses NAVSyncDelay. Why does 11be select more conservative values.

C: I propose to use maximal PPDU Tx time + Ack.

A: Ack Tx time is small so it can be ignored.

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

SP deferred

Recessed at 03:30pm

**Friday 07 July 2023, 04:00pm – 06:00pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 04:00pm. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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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1. The Chair reminded that the agenda can be found in 11-23/0921r4. The Chair asked for the comments about the agenda. Per the requests, 710, 296 were added, 1162, 1163 were removed. The updated agenda was approved.

* Technical Submissions:
  1. [361r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0361-03-00be-lb271-cr-for-reconfiguration-ml-element-part-1.docx) CR for Reconfiguration ML element – part Binita Gupta [6C SP**]**

Discussion:

C: Why do you need Maximal MPDU Length and A-MSDU Length? One of them is enough.

A: the comment is not about the existance of the two fields. Please raise the comment later.

C: agree with the first comment.

C:17667. the 0 value being reserved exists in baseline.

C: please defer the CID for offline checking.

A: ok

SP: Do you support to accept the resolution in 11-23/361r4 for the following CIDs?

15950 15951 15952 15953 15956

No Objection

* 1. 296r11 CIDs assigned to Abhi - Part 1 Abhishek Patil [4C]

Discussion:

None

SP: Do you support to accept the resolution in 11-23/296r12 for the following CIDs?

16012, 16445, 15525, 16501

No Objection

* 1. [995r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0995-00-00be-lb271-cr-for-ml-reconfiguration-part-2.docx) CR for ML Reconfiguration part 2 Binita Gupta [35C**]**

Discussion:

C: for EMLSR/EMLMR link removal, it is not clear why this happens.

A: for a 3-link non-AP MLD with link1 and link2 as EMLSR links, the non-AP MLD may remove link1 and link2.

C: the explicit singaling is already there. You can reject the CIDs. The notes are not needed.

C: we already have something similar to the note.

A: we discussed the issue, but the notes were not added at that time.

C: prefer to keep the notes.

C: 16001. If an AP that will be removed is announced through RNR, the legacy STA may try to associate with the AP. This is not good. Please defer the CID.

A: ok.

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

Unfinished document

Recessed at 06:00pm

**Saturday 08 July 2023, 09:00am – 10:30am (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 09:00am. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

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| TGbe (MAC) | 7/8 | Shafin, Rubayet | Samsung Research America |
| TGbe (MAC) | 7/8 | Haider, Muhammad Kumail | Meta Platforms Inc. |
| TGbe (MAC) | 7/8 | Patil, Abhishek | Qualcomm Incorporated |
| TGbe (MAC) | 7/8 | Lu, kaiying | MediaTek Inc. |
| TGbe (MAC) | 7/8 | Wullert, John | Peraton Labs |
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| TGbe (MAC) | 7/8 | Yee, James | MediaTek Inc. |
| TGbe (MAC) | 7/8 | Asterjadhi, Alfred | Qualcomm Incorporated |
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| TGbe (MAC) | 7/8 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGbe (MAC) | 7/8 | Yang, Jay | Nokia |
| TGbe (MAC) | 7/8 | Nayak, Peshal | Samsung Research America |

1. The Chair reminded that the agenda can be found in 11-23/0921r5. The Chair asked for the comments about the agenda. No change was made. The proposed agenda was approved.

* Technical Submissions:
  1. [995r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0995-00-00be-lb271-cr-for-ml-reconfiguration-part-2.docx) CR for ML Reconfiguration part 2 Binita Gupta [35C CTD**]**

Discussion:

C: can’t support 16001 change as I mentioned several times. Please defer 16001.

A: ok.

C: 16481 is related to deferred CIDs, please defer it.

A: ok.

C: 18123. Why non-MLD is added before non-AP STA(s)?

A: will defer it.

C: 18121. The first sentence is deleted. But the added text can’t cover single link case.

A: will do offline discussion.

C: 18121. ”may” in added text should be changed to ”should”.

A: the comment doesn’t ask such change.

C: please defer the CID.

A: ok.

C: what is the purpose to allow single-link EMLSR and EMLMR?

A: it can save power.

SP: Do you support to accept the resolution in 11-23/995r3 for the following CIDs?

15610 15849 15866 15990 15992 15993 15997 15998 16189 16441 16442 16482 16483 16694 17941 18021 18023 18024 18026 18027 18094 18124 18125 18126 18266 18309 16586 17871

No Objection

* 1. [824r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0824-01-00be-lb-271-cr-for-35-3-16-5.docx) CR for 35.3.16.5 Yongho Seok [1C SP**]**

Discussion:

C: for second comment, please change ”Aps” to ”APs”.

A: ok

SP: Do you support to accept the resolution in 11-23/824r1 for the following CIDs?

16882, 15828

No Objection

* 1. [1144r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1144-00-00be-lb271-cr-for-mac-miscellaneous.docx) CR for MAC Miscellaneous Yongho Seok [15C**]**

Discussion:

None

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

15134, 17105, 17107, 18310, 17102, 16346, 17103, 17370, 17108, 17109, 16272, 16714, 17106, 17104, 17920

No Objection

* 1. [825r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0825-00-00be-lb-271-cr-for-35-3-7-1-3.docx) CR for 35.3.7.1.3 Yongho Seok [57C**]**

Discussion:

C: 16490. Fine with 16490. Please check the other places to make them consistance.

A: will defer it.

C: please defer 16209 and 17948.

A: ok.

C: 18134. The updated text only applies to request. But the comment asks for response frame.

C: we have general rules about whether a managmeent frame can transmit in any enable ink or not. The similar rules are not required for each management frame.

A: will defer it.

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

15957, 16011, 17825, 17730, 16462, 17731, 17732, 17733, 17734, 17735, ~~16209,~~ 17736, ~~17948,~~ 17947, 15821, 15822, 15374, 15609, 17738, 15375, 17737, 16398, 15382, 17776, 17777, 16399, 17778, 17779, 18106, 18107, 17780, 18108, ~~16490, 15054,~~ 16095, 15115, 16587, 15596, 18133

No Objection

Recessed at 10:36am

**Saturday 08 July 2023, 10:45am – 12:15pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:45am. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbe (MAC) | 7/8 | Ratnam, Vishnu | Samsung Research America |
| TGbe (MAC) | 7/8 | Ryu, Kiseon | NXP Semiconductors |
| TGbe (MAC) | 7/8 | Wang, Huizhao | NXP Semiconductors |
| TGbe (MAC) | 7/8 | Huang, Po-Kai | Intel |
| TGbe (MAC) | 7/8 | Zhao, Yue | Huawei Technologies Co., Ltd |
| TGbe (MAC) | 7/8 | Hu, Chunyu | Facebook |
| TGbe (MAC) | 7/8 | Li, Weiyi | Spreadtrum |
| TGbe (MAC) | 7/8 | baron, stephane | Canon Research Centre France |
| TGbe (MAC) | 7/8 | Jang, Insun | LG ELECTRONICS |
| TGbe (MAC) | 7/8 | Ajami, Abdel Karim | Qualcomm Technologies, Inc |
| TGbe (MAC) | 7/8 | Wang, Qi | Apple, Inc. |
| TGbe (MAC) | 7/8 | Gupta, Binita | Meta Platforms, Inc. |
| TGbe (MAC) | 7/8 | Fischer, Matthew | Broadcom Corporation |
| TGbe (MAC) | 7/8 | Baek, SunHee | LG ELECTRONICS |
| TGbe (MAC) | 7/8 | Kim, Sanghyun | WILUS Inc |
| TGbe (MAC) | 7/8 | Ho, Duncan | Qualcomm Incorporated |
| TGbe (MAC) | 7/8 | Quan, Yingqiao | Spreadtrum |
| TGbe (MAC) | 7/8 | Monajemi, Pooya | Apple Inc. |
| TGbe (MAC) | 7/8 | Ghosh, Chittabrata | Apple Inc. |
| TGbe (MAC) | 7/8 | Gu, Xiangxin | Spreadtrum Communications (Shanghai) Co., Ltd.; Unisoc (Shanghai) Technologies Co., Ltd. |
| TGbe (MAC) | 7/8 | Sato, Takuhiro | SHARP CORPORATION |
| TGbe (MAC) | 7/8 | Ng, Boon Loong | Samsung Research America |
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| TGbe (MAC) | 7/8 | Yang, Jay | Nokia |
| TGbe (MAC) | 7/8 | Nayak, Peshal | Samsung Research America |

1. The Chair reminded that the agenda can be found in 11-23/0921r5. The Chair asked for the comments about the agenda. No change was made. The proposed agenda was approved.

* Technical Submissions:
  1. [801r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0801-00-00be-lb271-9-4-2-316-qos-char-element-part-2.docx) LB271-9.4.2.316 (QoS char element Part 2) Duncan Ho [19C**]**

Discussion:

C: 16693. What is the reason of rejection? The QoS chracteristics define stream at MLD level.

A: currently we only allow link level TDLS. Can defer it.

C: 17678. It is better to add normative text.

A: will defer it.

C: 17644. Delivery ratio should be related to delay bound.

A: will check it again.

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

SP deferred.

* 1. [1120r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1120-00-00be-lb271-cr-for-r-twt-part-4.docx) CR for R-TWT - Part 4 Kumail Haider [15C**]**

Discussion:

C: 17059. The last ”first” is not needed.

C: 18220. Remove ”at this point” in the reject reason.

A: ok.

C: 16459. We can’t ask the other group to do something.

A: ok to change the rejection reason accordingly.

C: 18052. Two TWT elements may not be enough.

A: will defer it.

C: 18055. Why is recommendation value required?

A: a STA may request R-TWT schedule or non-RTWT broadcast schedule.

C: the baseline is set to reserved value that is different from 0.

A: will remove value 0.

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

17095, 18220, 15239, 15738, 15673, 16291, 16406, 16407, 16459, 16460, 16300, 16418, 15805

No Objection

* 1. [1125r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1125-00-00be-lb271-remaining-cids-on-twt.docx) Remaining CIDs on TWT Rubayet Shafin [12C**]**

Discussion:

C: 15244. The added text is about alligned TWT schedule of the Mobile AP MLD, right?

A: yes.

C: I assume we don’t need the added text since it is already coverred.

A: will defer the CID.

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

Unfinished document.

Recessed at 12:15pm

**Saturday 08 July 2023, 01:30pm – 03:30pm (TGbe MAC ad hoc meeting)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using the F2F and webex session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 01:30pm. The Chair introduces himself and the Secretary, Liwen (NXP)
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. 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))

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

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| TGbe (MAC) | 7/8 | Yang, Jay | Nokia |
| TGbe (MAC) | 7/8 | Nayak, Peshal | Samsung Research America |

1. The Chair reminded that the agenda can be found in 11-23/0921r5. The Chair asked for the comments about the agenda. The unfinished document 1125 in am2 session was added. The updated agenda was approved.

* Technical Submissions:
  1. [1125r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1125-00-00be-lb271-remaining-cids-on-twt.docx) Remaining CIDs on TWT Rubayet Shafin [12C**]**

Discussion:

C: 18215. The rejection reason should be changed to ”the topic was discussed, but no consensus was reached”

A: ok.

C: 15244. What is the purpose?

A: the peer STAs are the member so the same broadcast TWT schudule.

C: why do you force the peer STAs to wake at the same TWT SP?

A: will defer it for offline discussion

C: 17284. The resolution doesnt’resolve the comment.’the first sentence is not clear.

A: will defer the CID.

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

17577, 16472, , 15929, 16646,, 18215, 18314

No Objection

* 1. [1145r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1145-00-00be-lb271-cr-for-misc-cids.docx) CR for misc CIDs Laurent Cariou [36C**]**

Discussion:

C: 17886. the ”if” in second bullet is not needed since both sides support negotiation.

A: ok.

C: 17886. second and third bullets, please add ”maintaining the association”

A: ok.

C: 17886. The ”if” condition for AP MLD should not be deleted.

A: ok.

C: 17333. The old word is better.

A: ok, will reject the CID.

C: 15013. Critical update already can do this. This addition is not needed.

C: 15013. the note is not needed since the spec already allows this.

C: since TID-to-Link mapping mode 3 is disallowed, do we need to delete the related text?

A: this can be addressed later.

SP: Do you support to accept the resolution in 11-23/1145r2 for the following CIDs?

15173 15174 16345 17628, 18299 18236, 18237 17837 15674 15970 15971 17793 15519 15972 16186 16187 16377 16378 16275 17332 17333 15053 15404 16484 18128 18275 16485 17239 17296 18132 17361 17887 18150 17541

No Objection

* 1. [1132r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1132-00-00be-lb271-cr-for-emlsr.docx) CR for EMLSR Yue Zhao [2C**]**

Discussion:

C: please add ”11-”.

A: ok

SP: Do you support to accept the resolution in 11-23/1132r1 for the following CIDs?

17851 16212

No Objection

* 1. [1141r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1141-00-00be-lb271-cr-for-cid-16419.docx) CR for CID 16419 Jeongki Kim [1C**]**

Discussion:

C: before MU-RTS, if the solicited STA doesn’t respond with CTS, the solicited STA will not take the allocated time.

A: it is up to solicited STA’s environment.

C: the proposed method is applied to 3rd party STAs. Right?

A: yes.

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

SP deferred

* 1. [710r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0710-00-00be-proposed-resolutions-to-11be-lb271-a-few-cids-on-emlsr.docx) Prop. Res. to LB271 a few CIDs on EMLSR Qi Wang [2C**]**

Discussion:

C: does basicrateset include 6/12/24Mbps?

A: it may not include those rates. That is the reason to add the text.

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

SP deferred

* 1. [1093r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1093-00-00be-crs-for-cids-in-quarantine-part-1.docx), [1094r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1094-00-00be-crs-for-cids-in-quarantine-part-2.docx), [1095r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1095-00-00be-crs-for-cids-in-quarantine-part-3.docx), [1096r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1096-00-00be-crs-for-cids-in-quarantine-part-4.docx) Alfred Asterjadhi [Many CIDs**]**

TG chair announced that if you are POC for the Quarantine CIDs listed in 1093 to 1096 and the CIDs are still under discussion, please send email to him by the end of this week.

Adjourned at 03:30pm