IEEE P802.11
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc teleconferences in July to September 2022 |
| Date: 2022-07-28 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jeongki Kim | Ofinno |  |  | jeongki.kim.ieee@gmail.com |
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|  |  |  |  |  |

Abstract

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

Revisions:

* Rev0: Added the minute from the teleconference held on July 28.
* Rev1: Added the minute from the teleconference held on August 1, 2022.
* Rev2: Added the minute from the teleconference held on August 3, 2022.
* Rev3: Added the minute from the teleconference held on August 11, 2022.
* Rev4: Added the minute from the teleconference held on August 15, 2022.
* Rev5: Added the minute from the teleconference held on August 17, 2022.

**July 28, 2022, 10:00 – 12:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		+ 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
5. The Chair asked whether there is comment about agenda in 11-22/1161r3. Some modifications. The agenda was approved.

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

|  |  |  |
| --- | --- | --- |
| Timestamp | Name | Affiliation |
| 7/28 | Ajami, Abdel Karim | Qualcomm Incorporated |
| 7/28 | Asterjadhi, Alfred | Qualcomm Incorporated |
| 7/28 | Baek, SunHee | LG ELECTRONICS |
| 7/28 | Bredewoud, Albert | Broadcom Corporation |
| 7/28 | Chemrov, Kirill | IITP RAS |
| 7/28 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| 7/28 | Dong, Xiandong | Xiaomi Inc. |
| 7/28 | Erkucuk, Serhat | Ofinno |
| 7/28 | Fan, Shuang | ZTE Corporation |
| 7/28 | Fang, Yonggang | Mediatek |
| 7/28 | Fischer, Matthew | Broadcom Corporation |
| 7/28 | Fujimori, Yuki | Canon Research Centre France |
| 7/28 | GUIGNARD, Romain | Canon Research Centre France |
| 7/28 | Haider, Muhammad Kumail | Facebook |
| 7/28 | Handte, Thomas | Sony Corporation |
| 7/28 | Ho, Duncan | Qualcomm Incorporated |
| 7/28 | Hsu, Ostrovsky | Xiaomi Inc. |
| 7/28 | Huang, Po-Kai | Intel Corporation |
| 7/28 | Huq, Kazi Mohammed Saidul | Ofinno |
| 7/28 | kamath, Manoj | Broadcom Corporation |
| 7/28 | Kandala, Srinivas | SAMSUNG |
| 7/28 | Kim, Sanghyun | WILUS Inc |
| 7/28 | Kim, Yongho | Korea National University of Transportation |
| 7/28 | Kim, Youhan | Qualcomm Incorporated |
| 7/28 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| 7/28 | Klein, Arik | Huawei Technologies Co., Ltd |
| 7/28 | Ko, Geonjung | WILUS Inc. |
| 7/28 | Levy, Joseph | InterDigital, Inc. |
| 7/28 | Li, Yunbo | Huawei Technologies Co., Ltd |
| 7/28 | Lou, Hanqing | InterDigital, Inc. |
| 7/28 | Lu, kaiying | MediaTek Inc. |
| 7/28 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 7/28 | Moon, Juseong | Korea National University of Transportation |
| 7/28 | Naik, Gaurang | Qualcomm Incorporated |
| 7/28 | Nayak, Peshal | Samsung Research America |
| 7/28 | Ng, Boon Loong | Samsung Research America |
| 7/28 | Ouchi, Masatomo | Canon |
| 7/28 | Ozbakis, Basak | VESTEL |
| 7/28 | Park, Sungjin | Senscomm |
| 7/28 | Patil, Abhishek | Qualcomm Incorporated |
| 7/28 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| 7/28 | Pushkarna, Rajat | Panasonic Asia Pacific Pte Ltd. |
| 7/28 | Quan, Yingqiao | Unisoc |
| 7/28 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 7/28 | Ryu, Kiseon | NXP Semiconductors |
| 7/28 | Sato, Takuhiro | SHARP CORPORATION |
| 7/28 | Shafin, Rubayet | Samsung Research America |
| 7/28 | Sosack, Robert | Molex Incorporated |
| 7/28 | Sun, Bo | ZTE Corporation |
| 7/28 | Wang, Chao Chun | MediaTek Inc. |
| 7/28 | Wentink, Menzo | Qualcomm Incorporated |
| 7/28 | Wullert, John | Peraton Labs |
| 7/28 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| 7/28 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| 7/28 | Zhang, Jiayi | Ofinno |
| 7/28 | Zhou, Pei | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |

**Submissions**

1. [1054r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1054-00-00be-cr-for-35-3-5-1-part-i.docx) CR for 35.3.5.1 Part I Po-Kai Huang [46C]

Discussion:

Discussion on association request frame related text. You can remove the otherwise there. OK(r2)

Discussion on both association request and response part. Why do you updated?

Discussion on CID 11562. 11562 and 12995 were deferred

Discussion 10626

 you need to also add usage of this new code in the Association Response subclause

and current spec says that even reject a link, the capability and operation parameter shall be include in the user info field. but when link doesn't exist

you can not do that anymore

After discussion, 10626 is deferred.

Discussion on 14021. You may remove the sentence.

11420 is deferred. 11181 is deferred. 14201 and 11735 are deferred.

SP: Do you support to accept the resolution in 11-22/1054r2 for the following CIDs?

10002, 10414, 11418, 13270, 10018, 11731, 13268, 13324, 13507, 11561,

13786, 13983, 10084, 10106, 10232, 11417, 11563, 10314, 10315, 14022,

11737, 10316, 12616, 11419, 14061, 13269, 11733, 13271, 11732, 10485,

10728, ~~11420~~, 11734, 11947, 13897, 13898, 13896, ~~11562, 12995~~, 13520,

~~11181, 14021, 11735~~, 11180, ~~10626~~, 11178

No objection.

1. [1171r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1171-00-00be-cr-for-misc-cids.docx) CR for misc CIDs Xiaofei WANG [11C]

C: EHT STA can be VHT STA. In that case, the STA follows the VHT rule described in the subclause. Instead of remove whole part, you can elaborate it.

A: I can defer CID 11922.

C: Same concern.

SP: Do you support to accept the resolution in 11-22/1171r0 for the following CIDs?

10211 10992 11528 ~~11922~~ 12077 12611 12612 12613 12974 13530 13711

No objection

1. [1174r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1174-00-00be-cr-for-35-3-5-3.docx) CR for 35.3.5.3 Po-Kai Huang [8C]

There were long discussions on 11188. What is the restriction that you pointed out?

11188 is deferred.

SP is deferred.

The meeting is adjourned at 12:00 ET.

**August 1, 2022, 19:00 – 21:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 19:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		+ 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
5. The Chair asked whether there is comment about agenda in 11-22/1161r5. Some modifications. The agenda was approved.

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

|  |  |  |
| --- | --- | --- |
| Timestamp | Name | Affiliation |
| 8/1 | Adachi, Tomoko | TOSHIBA Corporation |
| 8/1 | Ajami, Abdel Karim | Qualcomm Incorporated |
| 8/1 | Baek, SunHee | LG ELECTRONICS |
| 8/1 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| 8/1 | Coffey, John | Realtek Semiconductor Corp. |
| 8/1 | Dong, Xiandong | Xiaomi Inc. |
| 8/1 | Fang, Yonggang | Mediatek |
| 8/1 | Fischer, Matthew | Broadcom Corporation |
| 8/1 | Gu, Xiangxin | Unisoc |
| 8/1 | Hamilton, Mark | Ruckus/CommScope |
| 8/1 | Ho, Duncan | Qualcomm Incorporated |
| 8/1 | Huang, Po-Kai | Intel |
| 8/1 | Inohiza, Hirohiko | Canon |
| 8/1 | Kain, Carl | USDoT; Noblis, Inc. |
| 8/1 | Kandala, Srinivas | SAMSUNG |
| 8/1 | Kim, Sang Gook | LG ELECTRONICS |
| 8/1 | Kim, Sanghyun | WILUS Inc |
| 8/1 | Kim, Yongho | Korea National University of Transportation |
| 8/1 | Klein, Arik | Huawei Technologies Co., Ltd |
| 8/1 | Ko, Geonjung | WILUS Inc. |
| 8/1 | li, yan | ZTE Corporation |
| 8/1 | Li, Yunbo | Huawei Technologies Co., Ltd |
| 8/1 | Lou, Hanqing | InterDigital, Inc. |
| 8/1 | Lu, kaiying | MediaTek Inc. |
| 8/1 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| 8/1 | Moon, Juseong | Korea National University of Transportation |
| 8/1 | Naik, Gaurang | Qualcomm Incorporated |
| 8/1 | Nayak, Peshal | Samsung Research America |
| 8/1 | Ouchi, Masatomo | Canon |
| 8/1 | Park, Sungjin | Senscomm |
| 8/1 | Patil, Abhishek | Qualcomm Incorporated |
| 8/1 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| 8/1 | Quan, Yingqiao | Unisoc |
| 8/1 | Ratnam, Vishnu | Samsung Research America |
| 8/1 | Ryu, Kiseon | NXP Semiconductors |
| 8/1 | Sato, Takuhiro | SHARP CORPORATION |
| 8/1 | Shafin, Rubayet | Samsung Research America |
| 8/1 | Thompson, Tom | IEEE STAFF |
| 8/1 | Wullert, John | Peraton Labs |
| 8/1 | Xu, Fangxin | Longsailing Semiconductor |
| 8/1 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| 8/1 | Yee, James | MediaTek Inc. |

**Submissions**

1. [1129r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1129-00-00be-lb266-cr-cl9-emlsr.docx) LB266 CR CL9 EMLSR Minyoung Park [19C 30’]

Disucssion:

C: AP point of view, it will alway carry the bitmap? When does the bitmap size 0?

A: If two modes are 0, it will be zero.

C: Is that A-Control field? Or Action frame?

A: Yes AP operation is not changed.

C: We don’t need to have new style of figure. You can search whether there is similar figure.

C: Reserved field can be present in front of the bitmap.

C: You can change the name in the related text.

A: I will work later.

C: EMLSR mode and EMLMR mode can be merged.

A: how can it be disabled?

C: Why do we need to add these texts in clause 9 duplicately? Normative behaviour should not be in clause 9.

A: Are you asking a general part or specific part? Tgme also has similar texts.

The first part and 10869, 11505 were deferred.

SP: Do you support to accept the resolution in 11-22/1129r1 for the following CIDs?

~~12774, 12775, 13049, 13458, 13747, 10154, 12406, 11381, 12861, 11897~~

~~10869~~, 10153, 12598, ~~11505~~, 12599, 13050, 12959, 11382, 11384

No objection.

1. [1181r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1181-00-00be-lb266-cr-cl35-emlsr-part1.docx) LB266 CR CL35 EMLSR part1 Minyoung Park [32C 45’]

Discussion:

C: If some of TIDs are not TID-to-link mapping, the performance will be degraded.

A: Spec allows what you’re saying.

10037 11649 13077 were deferred

C: for that comment, we should answer a question, what kind of TID to link mapping is good for EMLSR? If we can't find one, then we should disallow TID to link mapping for EMLSR. Otherwise, we could provide answer in the resolutio

10056, 11654, 13079 were deferred.

C: We can add a note of the related 12470. STA affiliated with non-AP MLD that are on disabled links does not need to do CCA or listening on the disabled links.

A: EMSR links sbusets are on enabled links.

Power save related CIDs are deferred.

C: Why do we need this additional power consumption and delay for power saving?

C: non-AP MLD can includes eMLSR link sets and STR link set.

A: This is only for eMLSR. You can have another text for covering the case.

C: Could you explain more why the device cannot set two mode at the same time?

A: We already decided at the early stage of the disucsison.

C: 12853, 12854 were deferred.

SP: Do you support to accept the resolution in 11-22/1181r1 for the following CIDs?

12410, 12733, 12850, 12852, ~~12853, 12854~~, 12855, ~~10037, 11649, 13077~~,

11595, ~~10056~~, 11654, 13079, ~~10057, 13080, 11655, 10052,~~ 11756, 12470,

10508, ~~10038, 10777, 12812~~, 13809, 10102, 11757, ~~13408~~, 13004, 14076,

~~11453~~, 12672

No objection

The meeting is adjourned at 21:00ET

**August 3, 2022, 10:00 – 12:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		+ 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
5. The Chair asked whether there is comment about agenda in 11-22/1161r6. Some modifications. The agenda was approved.

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

|  |  |  |
| --- | --- | --- |
| Timestamp | Name | Affiliation |
| 8/3 | Ajami, Abdel Karim | Qualcomm Incorporated |
| 8/3 | Baek, SunHee | LG ELECTRONICS |
| 8/3 | Bankov, Dmitry | IITP RAS |
| 8/3 | Baykas, Tuncer | Ofinno |
| 8/3 | Carney, William | Sony Group Corporation |
| 8/3 | Chemrov, Kirill | IITP RAS |
| 8/3 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| 8/3 | CHERIAN, GEORGE | Qualcomm Incorporated |
| 8/3 | Chitrakar, Rojan | Panasonic Asia Pacific Pte Ltd. |
| 8/3 | Chng, Shi Baw | BAWMAN LLC |
| 8/3 | Choi, Jinsoo | LG ELECTRONICS |
| 8/3 | Das, Subir | Peraton Labs |
| 8/3 | Erkucuk, Serhat | Ofinno |
| 8/3 | Fan, Shuang | ZTE Corporation |
| 8/3 | Fang, Yonggang | Mediatek |
| 8/3 | Fischer, Matthew | Broadcom Corporation |
| 8/3 | Gu, Xiangxin | Unisoc |
| 8/3 | Haider, Muhammad Kumail | Facebook |
| 8/3 | Hamilton, Mark | Ruckus/CommScope |
| 8/3 | Han, Jonghun | SAMSUNG |
| 8/3 | Hervieu, Lili | Cable Television Laboratories Inc. (CableLabs) |
| 8/3 | Ho, Duncan | Qualcomm Incorporated |
| 8/3 | Hsu, Ostrovsky | Xiaomi Inc. |
| 8/3 | Hu, Chunyu | Facebook |
| 8/3 | Huq, Kazi Mohammed Saidul | Ofinno |
| 8/3 | Jang, Insun | LG ELECTRONICS |
| 8/3 | Kain, Carl | USDoT; Noblis, Inc. |
| 8/3 | kamath, Manoj | Broadcom Corporation |
| 8/3 | Kim, Sang Gook | LG ELECTRONICS |
| 8/3 | Kim, Yongho | Korea National University of Transportation |
| 8/3 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| 8/3 | Klein, Arik | Huawei Technologies Co., Ltd |
| 8/3 | Ko, Geonjung | WILUS Inc. |
| 8/3 | Lanante, Leonardo | Ofinno |
| 8/3 | Lee, Hong Won | LG ELECTRONICS |
| 8/3 | Li, Yunbo | Huawei Technologies Co., Ltd |
| 8/3 | Lou, Hanqing | InterDigital, Inc. |
| 8/3 | Lu, kaiying | MediaTek Inc. |
| 8/3 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| 8/3 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 8/3 | Moon, Juseong | Korea National University of Transportation |
| 8/3 | Naik, Gaurang | Qualcomm Incorporated |
| 8/3 | Nayak, Peshal | Samsung Research America |
| 8/3 | Ng, Boon Loong | Samsung Research America |
| 8/3 | Park, Minyoung | Intel |
| 8/3 | Park, Sungjin | Senscomm |
| 8/3 | Patil, Abhishek | Qualcomm Incorporated |
| 8/3 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| 8/3 | Quan, Yingqiao | Unisoc |
| 8/3 | Ratnam, Vishnu | Samsung Research America |
| 8/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 8/3 | Ryu, Kiseon | NXP Semiconductors |
| 8/3 | Shafin, Rubayet | Samsung Research America |
| 8/3 | Shirakawa, Atsushi | SHARP CORPORATION |
| 8/3 | Wullert, John | Peraton Labs |
| 8/3 | Xia, Qing | Sony Corporation |
| 8/3 | Xu, Fangxin | Longsailing Semiconductor |
| 8/3 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |
| 8/3 | Yi, Yongjiang | Spreadtrum Communication USA, Inc |
| 8/3 | Zaman, Malia | IEEE Standards Association (IEEE-SA) |
| 8/3 | Zhang, Jiayi | Ofinno |
| 8/3 | Zhou, Pei | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |

**Submissions**

1. [1179r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1179-00-00be-resolution-of-cids-in-clauses-35-17-1-and-35-17-2-lb-266.docx) Res. of CIDs in 35.17.1 and 35.17.2 John Wullert [32C 40’]

C: You merged two different subclauses. You can check the editor. There is 35.17.2.2 without 35.17.2.1.

C: EPCS or EPCS priority access?

C: Do we need a Disassociate frame? None in other places.

C: You can make it note.

C: We don’t need to add such a text in all related parts.

C: Suggest to reject the comment 10381.

C: We don’t have EPCS EDCA parameter sets. Just EDCA parameter set for EPCS MLD.

SP: Do you support to accept the resolution in 11-22/1179r2 for the following CIDs?

10472, 11796, 11797, 10259, 11620, 10260, 10885, 10700, 11799, 12694, 11621, 11800, 10381, 11801, 11622, 10261, 11802, 10263, 11804, 10265, 10382, 10081, 11794, 10266, 12698, 10477, 10478

No objection

1. [1159r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1159-00-00be-lb266-cr-for-clause-35-3.docx) LB266: CR for Clause 35.3 Gaurang Naik [27C 35’]

Some discussions on 11390. It’s deferred.

SP: Do you support to accept the resolution in 11-22/1159r1 for the following CIDs?

11404, 10595, 13686, 11710, 12323, 11323, 13351, 12934, 10417, 10244, 12635, 12636, 10006, 10085, 10418, 12362, 13691, 13692, 13791, 11440, 13375, 10871, 10420, 11441, 13792, 10419

No objection

1. [1180r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1180-00-00be-resolution-of-cids-in-clauses-9-4-2-313-2-and-9-6-35-related-to-epcs-lb266.docx) Res. of CIDs in 9.4.2.313.2 and 9.6.35 (EPCS) John Wullert [13C 20’]

C: dont need through an affiliated STA there.

C: suggestion is that add "(optional)" after the "Priority Access Multi-Link element" in the table

SP: Do you support to accept the resolution in 11-22/1180r0 for the following CIDs?

12432, 13745, 12233, 12878, 11847, 13482, 10207, 10925, 10208, 13492, 10209, 13493, 10210, 11795

No objection

1. [1174r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1174-00-00be-cr-for-35-3-5-3.docx) CR for 35.3.5.3 Po-Kai Huang [8C SP 10’]

C: I don’t prefer this style issue

A: This is global issue.

C: This is for p2p relationship. We need to maintain that P2P relationship.

C: You want to transmit on setup link?

C: Initial draft is unclear on this part.

SP: Do you support to accept the resolution in 11-22/1174r0 for the following CIDs?

10234, 11739, 11188, ~~11189~~, 11608, 11738, 13275

29/9/14

1. [1054r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1054-03-00be-cr-for-35-3-5-1-part-i.docx) CR for 35.3.5.1 Part I Po-Kai Huang [5C SP 10’]

C: Green one is what you changed.

A: That is different thing from previous version.

C: set up is setup? Sets up?

SP: Do you support to accept the resolution in 11-22/1054r3 for the following CIDs?

11420, 11562, 12995, 14021, 11735

No objection

1. [1036r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1036-01-00be-lb266-cr-for-35-9-2-1-latency-sensitive-traffic-differentiation.docx) CR for latency sensitive traffic delivery Liuming Lu [1C 10’]

Discussion:

C: Not clear what problem you want to solve here.

C: There is no normative texts. Not clear what the STA should do.

The meeting is adjourned at 12:00ET.

**August 11, 2022, 10:00 – 12:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		+ 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
5. The Chair asked whether there is comment about agenda in 11-22/1161r9. Some modifications. The agenda was approved.

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

**Submissions**

1. [1239r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1239-00-00be-lb266-cr-for-35-3-16-4.docx) CR for 35.3.16.4 Yunbo Li [32C 35’]

Discussion:

C: The first setence has circular issues. And we have already definition of NSTR link in clause 3. Almost same. Why do we need to describe this there?

A: Definition in clause does not mention how it’s signaling.

C: We can discuss more offline on 10713, 13927, 13805.

A: Ok, we can defer them.

C: In Another link at another STA, two another are same or different? Any relation between two anothers? A little confusing.

C: I don’t understand the resolution on 10091 and 13701.

Two CIDs were deferred.

C: at another STA operating on one link of NSTR link pair.

C: the same NSTR link pair?

C: the same NSTR link pair as the STA. A non-AP MLD operating on a link of an NSTR link pair

C: Can we change 'one link' to 'other link' and delete 'another' before STA?

C: For deferred CIDs, you can change ”due to” to ”caused by”.

C: There is similiar parts.

C: Yunbo will globally do the same changes as the first paragraph of page 13 after SP of the related CID 10358.

C: Last two, you may not be satisfied with some scenarios. You can defer two CIDs.

C: because of is better than due to in the highlight one. With and. ” and due to”

A: That will change the technical meaning. We can do it at next round.

C: I will SP after the revision.

SP: Do you support to accept the resolution in 11-22/1239r2 for the following CIDs?

~~13927, 10713, 13805,~~ 11443, 10881, 10005, 10783, 11264, 11755, 12216, 12360, 13556, 13999, ~~10091, 13701~~, 10129, 10503, 10358, 13334, 10502, 10504, 10506, 10505, 11135, 11576, 12273, 12327, 12419, 12423, 12659, ~~13055, 13056~~

No objection.

1. [1182r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1182-00-00be-lb266-cr-for-ml-ie-rules-part-2.docx) CR for ML IE rules - part 2 Abhishek Patil [33C 40’]

Discussion:

C: Joe Levy wants 11182 deferred

C: No need to add general. There is only two general formats. Trigger does not use general format.

C: Do we have such a case of AP affiliated with non-AP MLD?

C: I wanna reject two CIDs (11714, 10942) because we had a long discussion on this. The affiliated ”STA’ and affiliated ’AP’ on a setup link do not introduce any ambiguity.

C: We have clear definition. We need to clarify these. I don’t want to reject it.

C: can include is always include?

C: TIM element does not indicate the specific link.

The meeting is adjourned at 12:00ET.

**August 15, 2022, 19:00 – 21:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Alfred Asterjadhi (Qualcomm Inc.)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 19:02 ET. The Chair introduces himself and Alfred took the minute on behalf of Jeongki Kim(Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The TGbe chair reminds members to send request for the November ad-hoc meeting.
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 11-22/1161r11. The agenda was approved.

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

Technical Submissions**: Fast Track CRs**

* 1. [1129r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1129-02-00be-lb266-cr-cl9-emlsr.docx) LB266 CR CL9 EMLSR Minyoung Park [10C SP 10’]
* Author goes over the changes related to the CIDs that are pending SP. Changes were based on feedback received during the presentation in the previous conf call and offline suggestions.
* Chair asks if there are any comments for this set of changes. No comments were heard.
* SP: Do you support to accept the resolution in 11-22/1129r2 for the following CIDs?
	+ 12774, 12775, 13049, 13458, 13747, 10154, 12406, 11381, 12861, 11897
	+ Discussion: None.
	+ Result: No objection.
	1. [1182r5](https://mentor.ieee.org/802.11/dcn/22/11-22-1182-05-00be-lb266-cr-for-ml-ie-rules-part-2.docx) CR for ML IE rules-part 2 Abhishek Patil [10C-6GT 15’]
* Author provides an overview of the changes that the document has undergone based on offline feedback and highlights the presence of CIDs that are tagged in green.
* Author goes over the CIDs and the proposed resolutions for them.
* One CID is deferred (12796) based on offline request so not covered in this discussion.
* Some questions are asked for the proposed resolution of CID 13346. Questions are related to the inheritance model for certain elements. Another question, similar to the previous commenter, by another member. Question is whether certain elements or not need to be included in the profile, based on the inheritance rules. Suggestion is to have some more discussions on this (CID is deferred to allow that).
* Some final clarificatory questions regarding the proposed resolution of CID 11504, mainly asking the reason why baseline has gone one way or the other. These discussions need to happen in REVme and based on the outcome we can re-consider this item.
* Some minor amendments to one CID so that they are tagging the proposed changes for some bug fixes.
* Author will upload an r7 that incorporates these changes.
* SP: Do you support to accept the resolution in 11-22/1182r7 for the following CIDs?
	+ 14081, 11182, 12229, 13978, ~~11714, 10942,~~ 10304, 11715, 10598, 10736, 11717, 10915, 13604, 12795, 13258, 12794, 10306, 13603, 14107, 13730, 13731, 13259, ~~12796,~~ 14063, ~~13346,~~ 13892, 13614, 13260, 11258, 12375, 14106, 10562, 11504.
	+ Discussion: None.
	+ Result: No objection.
	1. [1204r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1204-03-00be-lb266-cr-cl35-emlsr-part2.docx) CR CL35 EMLSR part2 Minyoung Park [33C-12GT 30’]
* Author goes over the comments, proposed changes, and proposed resolutions in sequence.
* Some questions regarding the proposed change that the commenter was asking about (CID 12674). A couple of back-and-forth on this issue. At the end the question is why you need two bits, if they are exclusive. If we have one bit then we need to replicate the behaviors. Already discussed and resolved in another CID. No follow up.
* Question on CID 14077, and the previously discussed 2 CIDs that are similar. These are asking to have an initiation mode from AP side as well. Member is asking to enable this mode as there might be benefits since the AP knows better the network situation (in terms of load and so on). The three CIDs are deferred (14077 and the two immediately preceding it).
* Question on the proposed resolution for 11456. No issue with the proposed resolution but rather suggest to break the sentence in multiple ones since the sentence itself is like 8 lines long. Author sympathizes with the issue although it is difficult to do so since they are all intertwined. Maybe we can think of how to break them apart in the next round. Similar question from another member, suggesting that maybe having a plot/diagram will help the reader. Author mentions that he can provide that when resolving other CIDs in the same subclause.
* CID 12677 some discussion that the proposed change conflicts with another document that is in the queue. Member is asking to get this CID and resolve it in his document.
* Request to defer a CID so that it can be used to add the clarifications/diagrams for the long sentences on the enablement of the eMLSR modes (14001).
* Another question regarding CID 13417. Commenter is proposing to accept the proposed change. Author mentions that this was discussed in the past and the current text is aligned with those discussions.
* Some discussion on the proposed changes for CID 10479. One view is that it is already there so a note suffices. Issue with adding more normative behavior is that more changes would be needed complicating things. Another view is to keep it. Another comment is that if we keep this normative behavior there is some ambiguity left. Members will continue discussions offlne (deferred CID 10479).
* We were able to go until CID 12430 (will resume from this CID).

Chair moves to the submissions from normal queue. Docs in fast track CRs will be resumed next call.

Technical Submissions**: CRs (during last 30’)**

* 1. [1043r4](https://mentor.ieee.org/802.11/dcn/22/11-22-1043-04-00be-lb266-cr-on-more-data-ack.docx) LB266 CR on More Data Ack Guogang Huang [1C 10’]

Author goes over the CID the proposed resolution and the motivation behind the proposed resolution, which essentially enables the STA to set more data bit in the Ack, BlockAck to 1 to indicate that it wants to get some resources from the AP (TXOP and so on).

Q1: Why are you overloading the more data bit? Can’t the STA explicitly request for the resource allocation?

A: It is currently not used, so it can be used for this purpose for 11be STAs.

Q2: Seems the proposal helps those STAs that have DL BUs for them. Hence hurts those that don’t.

A: Those STAs can do EDCA.

Main concern from the commenter is the unfair advantage given to these STAs.

There are still other members in the queue. Chair suggests to have offline discussions via the reflector to address those questions.

* 1. [1049r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1049-00-00be-lb266-cr-pifs-error-recovery.docx) LB266 CR PIFS error recovery Yunbo Li [4C 15’]
* Author goes over the CIDs and the proposed resolutions. There is a total 4 CIDs in the document.
* Chair asks if there is any questions on this set of CIDs.
* Member suggests to use NTR interference rather than cross link interference.
* Author agrees with it. Author will account for the suggestion. Suggest to have it as part of the SP text so that the author can add it in the next revision.
* SP: Do you support to accept the resolution in 11-22/1049r0 for the following CIDs?
	+ 10421 11267 11268 11269
	+ There is a note in the SP: Ask liwen for it.

Only one min left.
Chair asks if there is any other business. None was heard.

Adjourned.

**August 17, 2022, 10:00 – 12:00 ET (TGbe MAC ad hoc conference call)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex session.

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:02 ET. The Chair introduces himself and the Secretary (Jeongki Kim, Ofinno).
2. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
	1. Nobody responds.
3. The Chair goes through the IEEE copyright policy.
4. The Chair recommends using IMAT for recording the attendance.
	* Please record your attendance during the conference call by using the IMAT system:
		+ 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
	* If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu (liwen.chu@nxp.com) and Jeongki Kim (jeongki.kim.ieee@gmail.com)
5. The Chair asked whether there is comment about agenda in 11-22/1161r12. Some modifications. The agenda was approved.

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

Technical Submissions**: Fast Track CRs**

1. [1181r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1181-01-00be-lb266-cr-cl35-emlsr-part1.docx) LB266 CR CL35 EMLSR part 1 Minyoung Park [15C SP 10’]

Discussion: None.

12853 is deferred.

SP: Do you support to accept the resolution in 11-22/1181r2 for the following CIDs?

* + 12854, 12732, 10037, 11649, 13077, 11595, 10056, 11654, 13079,
	+ 10057, 13080, 11655, 13004

No objection

1. [1220r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1220-00-00be-cr-for-cid-11922.docx) CR for CID 11922 Xiaofei WANG [1C SP 10’]

Discussion:

C: Page number and lines, what is the draft version? D2.0 or D2.1?

A: D2.0

C: If EHT STA that is addressed by an RTS is non-EHT STA, should the STA follow this rule?

SP: Do you support to accept the resolution in 11-22/1220r1 for the following CID?

11922

No objection

1. 1239r3 LB266 CR for 35.3.16.4 Yunbo Li (Huawei) SP

Discussion: None

SP: Do you support to accept the resolution in 11-22/1239r3 for the following CIDs?

13927, 10713, 13805, , 10091, 13701

No objection.

1. [1204r4](https://mentor.ieee.org/802.11/dcn/22/11-22-1204-03-00be-lb266-cr-cl35-emlsr-part2.docx) CR CL35 EMLSR part2 Minyoung Park [11C-7GT 10’]

Discussion:

C: For 13418, what is the MAC padding duration of the padding?

A: We have Note 5.

C: This is shall requirement for the AP. Note is not mandating it.

A: The 'shall' statement applies to each STA that is included in the initial Control frame. So naturally the AP shall use the largest padding delay. The note further clarifies it.

C: If there are 5 STAs, which value is used?

A: The maximum value will be used. The sentence indicates it.

C: Note seems like be not correct. The text is not clear.

A: Note is related to the example before the note.

SP: Do you support to accept the resolution in 11-22/1204r4 for the following CIDs?

13810, 12674, 13409, 10156, ~~10157, 10158, 14077~~, 12675, 11678, 11679

11456, 11582, ~~14001~~, 13415, 12677, 13417, 10130

11457, ~~10479~~, 12425, 13858, 14078, 12430, 10134, 13418, 12451, 11458

13812, 14079, 10163, 13814, 12679, 10927

No objection.

1. [1178r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1178-02-00be-tgbe-lb266-security-comment-resolutions.docx) Security comment resolutions Michael Montemurro [29C-14GT 25’]

Discussion:

C: MLD specified the value of the Link ID field?

C: MLD specified? Or STA specified?

A: STA.

C: it would be better that STA, both non-AP STA and AP,

C: an entity that is a station (STA), both an AP STA or a non-AP STA, or a multi-link device (MLD). Comment is not mentioning mesh STA.

A: AP PeerKey is related to mesh.

We can defer the CIDs.

SP: Do you support to accept the resolution in 11-22/1178r3 for the following CIDs?

13193, 11990, 13156, 13157, 13158, 13159, 12090, 13160, 12091, 13161, ~~13162~~, 13163, 13173, 12092. 12093, ~~12322~~, 13164, 13165, 13166, 13167, 13168, 13169, 13170, 12371, 12979, 12372, 13171, 13172, ~~13599~~

No objection