IEEE P802.11  
Wireless LANs

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| Minutes of TGbe 2022 Sept Interim MAC | | | | |
| Date: 2022-09-12 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Liwen Chu | NXP |  |  |  |
| Jeongki Kim | Ofinno |  |  |  |
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Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc teleconferences held in Sept 2022.

Revisions:

* Rev0:
  + Adding the minutes of MAC sessions held on Sept 12, 2022.
* Rev1:
  + Adding the minutes of MAC sessions held on Sept 13, 2022.
* Rev2:
  + Adding the minutes of MAC sessions held on Sept 14, 2022.
* Rev3:
  + Adding the minutes of MAC sessions held on Sept 15, 2022.

**Monday, 12 September 2022, 4:30 –6:30PM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 4:30pm EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
   * Please record your attendance during the session 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> session 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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1. The Chair reminds that the agenda can be found in 11-22/1246r6. The Chair asks for the comments about the agenda. There are no comments received. The agenda is approved.

* Technical Submissions:
  1. [**1442r4**](https://mentor.ieee.org/802.11/dcn/22/11-22-1442-01-00be-cr-for-clause-35-3-16-6-sync-ppdu-start-time.docx) **CR for Clause 35.3.16.6. Sync PPDU start time Dmitry Akhmetov [25C-13GT 20’]**

Discussion:

C: CID 12409, when there are three NSTR links, the transmission among them should be considered.

A: can do offline discusion

C: CID 12414, when two backoff counters become 0, it is not clear about which one will be used and how to deal with another counter.

A: can do offline discussion.

C:CID 13956. The note is not complete. Further discussion is needed.

C: CID 13956. The note doesn’t add anything.

SP: Do you support to accept the resolution in 11-22/1463r4 for the following CIDs?

10252, 10253, 10254, 10255,10507, 10899, 11250, 11448, 12283, 12387, 12663, 12664, 12665, 12666, 12667, 12880, 12881, 13930, 13931, 13932

No Objection

* 1. [**1472r5**](https://mentor.ieee.org/802.11/dcn/22/11-22-1472-00-00be-lb266-cr-document-for-eht-sta-features-cids.docx) **CR document for EHT STA features CIDs Rajat Pushkarna [12C-5GT 15’]**

Discussion:

C: CID 11823. For non-AP case, support of MLO should be mandatory.

C: the previous comment is not right.

C: the language should be updated since the related MIB variable can be dynamicly changed.

C: 11707, we don’t use cross-link in the draft. The ”optional” is not accurate since the reception is mandatory. Please defer this one.

C: do we have mandatory Beacon protection in subclause 12?

C: the MIB variable mandates it.

SP: Do you support to accept the resolution in 11-22/1472r5 for the following CIDs?

13288, 10268, 10384, 10514, 10515, 11479, 11480, 12218, 12223

No Objection

* 1. [**1539r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1539-00-00be-lb266-cr-for-subclause-35-3-10.docx) **LB266 CR for subclause 35.3.10 Ming Gan [30C-16GT 30’]**

Discussion:

C: 13473, 13470, the commenter is correct.

A: defer it for offline discussion.

C: 11433, the AP MLD reconfiguration is both BPCC and critical update.

A: will defer it to do offline discussion.

SP: Do you support to accept the resolution in 11-22/1539r2 for the following CIDs?

~~13473~~ 12829 13788 11777 ~~13470~~ 12879 13366 13912 10415 13789 11432 10730 13915 13463 13352 10641 10643 13913 ~~11433~~ ~~12806~~ 11434 10122 13469 13205 13472 10642 11435 11436 13367 13914

No Objection

* 1. [**1424r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1424-00-00be-lb266-cr-for-a-mpdu-in-eht-ppdu.docx) **CR for A-MPDU in EHT PPDU SunHee Baek [9C 15’]**

No time to finish the document

The chair asks whether there is any other business. No response is received. The meeting is recessed at 6:30pm

**Monday, 12 September 2022, 10:00PM –12:00AM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:00pm EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
   * Please record your attendance during the session 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> session 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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1. The Chair reminds that the agenda can be found in 11-22/1246r7. The Chair asks for the comments about the agenda. 1292 is deferred per the request. The updated agenda is approved.

* Technical Submissions:
  1. [**1189r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1189-00-00be-cr-for-txs-part-1.docx) **CR for TXS - part 1 Dibakar Das [110C-XGT 90’]**

Discussion:

C: CID 100078, it is not good to give the restriction to STA about how to transmit its frames.

A: will defer it.

C: CID 10079, the text doesn’t cover the STA’s transmission through TXOP sharing.

A: will defer it.

C: CID 13845, this CID includes many text changes. Will review it offline.

A: will defer it.

C: CID 11252, the text doesn’t cover P2P, right? Other related CID (13252) talks about TB PPDU for P2P.

A: The TB transmission in allocated time is not in line with the current text. Will defer 13252.

C: CID 11092, the comment is good. The resolution can be improved.

A: will defer it.

C: CID 13972. Please add only one User Info field after deleting the text per 13972.

A: ok.

C: please defer 13962.

A: ok

C: 11928, 13771, 12985, 13975. contradict with 11-22/1263’s SP.

A: will defer them

SP:

10993 10994 12005 12127 13555 12982 14009 11704 10076 ~~10078~~ ~~10079~~ 10715 ~~13252~~ ~~13845~~ 10214 10407 11089 11090 11925 12983 12373 11252 11532 11533 12498 12882 13683 11534 13878 12062 11091 11092 12761 10094 11093 11926 11119 13961 11094 12477 13204 13336 13972 12755 12760 10408 13770 11766 12895 12500 12501 12495 ~~13962~~ 11927 10779 13253 13337 13881 10780 12762 12763 12984 12614 ~~11928~~ 12063 11767 13338 13339 14057 13974 13317 13318 14056 ~~13771~~ ~~12985 13975~~ 14027 10781 14028 11018 11019 ~~13773~~ 13882 11021 10775 13883 12504 13966 11537 12986 13964 13963 13965 13967 11539 12505 12987 14098 12988 11538 12506 13884 10216 12374 12507 12989 13254 11540 14029 10017 11637 13774 13775

SP deferred

* 1. [**1233r8**](https://mentor.ieee.org/802.11/dcn/22/11-22-1233-07-00be-cr-for-35-3-19-part1.docx) **LB266: cr-for-35-3-19-part1 Kaiying Lu [5C SP 10’]**

C: 10900, the note should be changed to normative text.

A: the behavior is not different from normal channel switch.

C: the note is ok. We don’t change the behavior.

C: the note has some issue, i.e. when the primary link and secondary link don’t do the switch at the same time.

C: that is a bad implementation.

SP: Do you support to accept the resolution in 11-22/1233r8 for the following CID?

10132

No Objection

* 1. [**1051r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1051-01-00be-lb266-cr-for-twt.docx) **LB266: CR for TWT Rubayet Shafin [6C 20’]**

No time to finish the document

The chair asks whether there is any other business. No response is received. The meeting is recessed at 12:00am

**Tuesday, 13 September 2022, 1:30AM –3:00AM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 1:35AM EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
   * Please record your attendance during the session 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> session that you are attending.
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**Recorded attendance through Imat and e-mail:**

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1. The Chair reminds that the agenda can be found in 11-22/1246r8. The Chair asks for the comments about the agenda. No comment is received. The agenda is approved.

* Technical Submissions:
  1. [1471r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1471-01-00be-lb266-cr-for-35-9-4-2.docx) LB266 CR for 35.9.4.2 Chunyu Hu [14C-Q&A 10’]

Discussion:

C: please defer 12404, 12520, 10914.

A: ok.

SP: Do you support to accept the resolution in 11-22/1471r2 for the following CIDs?

~~10732, 10859, 10934~~

10895, 10904, 10932,

10933, 11597, 11619, 12288

~~12404, 12520,~~ 12736, ~~12748, 12749~~

~~10914~~

No Objection

* 1. [**1424r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1424-00-00be-lb266-cr-for-a-mpdu-in-eht-ppdu.docx) **CR for A-MPDU in EHT PPDU unHee Baek [9C Q&A 10’**]

Discussion:

No.

SP: Do you support to accept the resolution in 11-22/1424r0 for the following CIDs?

10920, 11835, 11836, 11929, 11986, 12071, 12125, 12126, 14103

No Objection

* 1. [**1422r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1422-00-00be-lb266-resolution-for-comments-related-to-various-aspects-of-mlo.docx) **LB266: Res. for comments related to various aspects of MLO Abhishek Patil [20C 20’**]

Discussion:

C: the CID talks about the TSF Timer. The added note is not related to the TSF timer.

A: the announced offset between APs is within the costant clock drift.

C: the commenter asks for the non-AP MLD behavior.

A: will do offline discussion.

C: CID 10597, the link ID allocation should be implementation issue.

A: the guideline should be provided to have short link bitmap. Can defer this CID.

C: CID 13765, don’t know the offline discussion. Please defer this CID.

A: ok.

SP: Do you support to accept the resolution in 11-22/1424r1 for the following CIDs?

~~12370 11917~~ 13152 13717 10299 11185 ~~10597~~ 13918 ~~10896 12280~~ 13600 ~~13008~~ 13426 13427 14116 13009 12230 13821 ~~13765~~ 12764

No Objection

* 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-SP 10’**]

Discussion:

C: the More Data is not enough.

C: the timing is too short.

C: similar comment. The proposal can’t address the requirement of the other STAs.

A: The proposal doen’t contradict with the more Trigger frame to poll the other STAs.

SP deferred

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* 1. [**1280r6**](https://mentor.ieee.org/802.11/dcn/22/11-22-1280-05-00be-lb-266-cr-for-r-twt-related-cids-part1.docx) **CR for R-TWT related CIDs Part1 Kumail Haider [7C-SP-10’**]

Discussion:

C: 10429, the text allows frames of any TID to be transmitted in R-TWT SP.

A: the meaning doesn’t change.

SP: Do you support to accept the resolution in 11-22/1280r6 for the following CIDs?

13740, 13021, 13232, 13107, 13304, 10429, 12400

No Objection

The chair asks whether there is any other business. No response is received. The meeting is recessed at 3:00am

**Tuesday, 13 September 2022, 7:30PM –9:30PM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 7:30PM EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
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**Recorded attendance through Imat and e-mail:**

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1. The Chair reminds that the agenda can be found in 11-22/1246r11. The Chair asks for the comments about the agenda. No comment is received. The agenda is approved.

* Technical Submissions:
  1. [**1356r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1356-00-00be-tgbe-lb266-comment-resolutions-for-rsna.docx) **TGbe LB266 comment resolutions for RSNA Michael Montemurro [37C 30’**]

Discussion:

C: 11be draft mentions that the APs of an AP MLD can annoucne different AKM suites and MFPRs, and an non-AP MLD can select common AKM suite, pairwise cipher suite etc that means different APs of the AP MLD can announce the different pairwise cipher suites. The contridiction should be addressed.

A: will defer 13179 to address it.

C: OCV should verify the other channel.

A: the other mechanism should be used instead of OCV if the amendment is required.

C: 320MHz channels may overlap with each other.

A: How to differentate the 320 channels.

C: CCFS.

A: will defer 11071.

C: please defer comments related to OCV.

A: ok, will defer 14100, 10678, 10679.

C: can we add second RSNE?

A: the behavior of second RSNE is undefined and it is not in Asociation Request frame.

SP: Do you support to accept the resolution in 11-22/1356r2 for the following CIDs?

~~13179,~~ 13182, 13183, 13184, 10294, 10293, 13185, 11086, 13186, 13187, 13189, 13190, ~~14100, 13191~~, 12097, 13192, ~~11071,~~ 12098, 13194, ~~10678,~~ 12099, 13195, 12100, ~~10679,~~ 12101, 13196, 13197, 12102, 14094, 12103, 12104, ~~13198,~~ 13199, 13200, 13201, 13202, 10593

No Objection

* 1. [**1526r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1526-00-00be-lb266-cr-for-subclause-35-8-2.docx) **LB266 CR for subclause 35.8.2 Ming Gan [16C 20’**]

Discussion:

C: If individual TWT in single link is established, what is the value of the TSF?

A: It will be the link where the TWT is established.

C: this should not be moved to MU operation subclause. The individual TWT identified by MLD address needs more thinking.

A: will defer that part.

C: we now have two schemes. This means more implementation requirement.

A: the benifit is that the TWT agreements in multiple links start at the same time.

C: disagree with the previous comment.

SP: Do you support to accept the resolution in 11-22/1526r0 for the following CIDs?

12820 11877 13837 13870 11878 ~~12821 13442 13871 13834~~ 10050 13223 10395 13299 11881 13826 10051

SP disussion

C: 12820, does the related text mean that the TWT agreement is in MLD level?

A: TWT agreement is still in per link level. Can add a note to clarify it.

C: the example is based on the deferred CIDs. The CIDs related to the example should also be deferred.

A: ok, will change the CIDs related to the example to 12821 13442 13871 13834.

C: please defer 10500.

Updated SP: Do you support to accept the resolution in 11-22/1526r1 for the following CIDs?

12820 11877 13837 13870 11878 ~~12821 13442 13871 13834 10050~~ 13223 10395 13299 11881 13826 10051

No Objection

* 1. [**1051r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1051-01-00be-lb266-cr-for-twt.docx) **LB266: CR for TWT Rubayet Shafin [6C 10’**]

Discussion:

C: Several methods to deal with the similar thing. Why do we have such similar things?

A: link ID bitmap just uses the method already in the draft.

The chair asks whether there is any other business. No response is received. The meeting is recessed at 9:30pm

**Tuesday, 13 September 2022, 10:00PM –12:00AM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:00PM EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
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**Recorded attendance through Imat and e-mail:**

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1. The Chair reminds that the agenda can be found in 11-22/1246r11. The Chair asks for the comments about the agenda. No comment is received. The agenda is approved.

* Technical Submissions:
  1. [**1051r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1051-01-00be-lb266-cr-for-twt.docx) **LB266: CR for TWT Rubayet Shafin [6C-Q&A 10’**]

Discussion:

C: This addresses the cases that rarely happens.

C: please defer 13643 for further review

A: ok

SP: Do you support to accept the resolution in 11-22/1051r3 for the following CIDs?

~~13633,~~ 11113, 11114, 11115, ~~13642, 13643~~

No Objection

* 1. [**1189r4**](https://mentor.ieee.org/802.11/dcn/22/11-22-1189-03-00be-cr-for-txs-part-1.docx) **CR for TXS - part 1 Dibakar Das [72C-SP, 15C-Ctd. 25’**]

SP1: Do you support to accept the resolution in 11-22/1189r3 for the following CIDs?

10993 10994 12005 12127 13555 ~~12982~~ 14009 ~~11704~~ 10076 ~~10078 10079~~ 10715 ~~13252 13845~~ 10214 10407 ~~11089~~ 11090 11925 12983 12373 ~~11252~~ 11532 11533 12498 12882 13683 11534 13878 12062 11091 ~~11092~~ 12761 10094 11093 11926 11119 13961 11094 12477 13204 13336 13972 12755 12760 10408 13770 11766 12895 12500 12501 12495 ~~13962 11927~~ 10779 13253 13337 13881 10780 12762 12763 12984 12614 ~~11928~~ 12063 ~~11767~~ 13338 13339 14057 13974 13317 ~~13318~~ 14056 ~~13771 12985 13975~~ 14027 10781 14028 11018  11019 ~~13773~~ 13882 11021 10775 13883 12504 13966 ~~11537 12986 13964 13963 13965 13967 11539~~

No Objection

Continues the disussion of the deferred CIDs

C: what happens when the unused rime of allocated P2P time is returned to the AP?

A: the AP will use the time for frame exchanges with the other STAs.

SP deferred.

* 1. [**1428r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1428-02-00be-lb266-cr-for-cids-related-to-35-3-4-2.docx) **CR for CIDs related to 35.3.4.2 Laurent Cariou [1C-SP 5’**]

Discussion:

No

SP: Do you support to accept the resolution in 11-22/1428r2 for the following CID?

11555

No Objection

* 1. [**1470r6**](https://mentor.ieee.org/802.11/dcn/22/11-22-1470-03-00be-lb266-cr-for-some-cids-in-35-9-35-9-1-35-9-2-35-9-4-and-35-9-4-1.docx) **CR for some CIDs in 35.9,35.9.1,35.9.2,35.9.4 and 35.9.4.1 Chunyu Hu [48C-SP 10’**]

Discussion:

No

SP: Do you support to accept the resolution in 11-22/1470r6 for the following CIDs?

12751, 12752, 13443, 13030, 13031, 13313, 13739, 13839, 10699, 10469, 10471, 10688, 11783, 12464, 12465,

13236, 10872, 13060, 13238, 10466,

10694, 10731, 10860, 12076, 13830;

10931; 11244, 12750, 12767, 10989,

13646, 10435, 10048, 11650, 13091, 13305, 12424, 12443, 12444, 12527, 13032, 11164, 13237, 12526, 12724, 13054, 11157, 13642

No Objection

* 1. [**1182r11**](https://mentor.ieee.org/802.11/dcn/22/11-22-1182-11-00be-lb266-cr-for-ml-ie-rules-part-2.docx) **CR for ML IE rules - part 2 Abhishek Patil [1C-SP 10’**]

Discussion:

No

SP: Do you support to accept the resolution in 11-22/1182r11 for the following CID?

13529

No Objection

* 1. [**1233r8**](https://mentor.ieee.org/802.11/dcn/22/11-22-1233-08-00be-cr-for-35-3-19-part1.docx) **CR for 35.3.19 part1 Kaiying Lu [3C-SP 10’**]

Defer to the end of the session

* 1. [**1355r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1355-01-00be-ap-link-disablement-notification.docx) **AP Link Disablement Notification Vishnu Ratnam [1C-SP 10**]

Discussion:

C: this needs more discussion.

SP: Do you support to accept the resolution in 11-22/1355r2 for the following CID?

11596

17Y, 15N, 20A

* 1. [**1545r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1545-01-00be-lb-266-cr-for-cids-related-to-twt-information-frame.docx) **LB 266: CR for CIDs related to TWT Information frame M. Kumail Haider[12C 15’**]

SP deferred

* 1. [**1318r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1318-00-00be-lb266-cr-for-cid-12427.docx) **CR for CID 12427 Yousi Lin [1C 10’**]

Discussion:

C: eMLSR inherits the rules of NSTR. The change is not needed.

A: it is better to mention AAR for eMLSR.

C: the DL case in comment is not addressed.

A: the proposed text extends the NSTR case.

C: not sure what this is trying to address.

A: when the frame exchanges is done in one link, another link’s condition can’t be figured out by the eMLSR non-AP MLD.

C: it doesn’t need to be Trigger frame. Other PPDU is ok for medium synchronization.

SP deferred.

* 1. [**1250r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1250-00-00be-lb266-cr-for-ml-sm-power-save-mode.docx) **cr-for-ML-SM-power-save-mode Jason Y. Guo [1C 10’**]

Unfinished document

The chair asks whether there is any other business. No response is received. The meeting is recessed at 11:59pm

**Wednesday, 14 September 2022, 10:00PM –12:00AM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Liwen Chu (NXP)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 10:00PM EDT. The Chair introduces himself and the Secretary, Liwen Chu (NXP)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
   * Please record your attendance during the session 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> session 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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1. The Chair reminds that the agenda can be found in 11-22/1246r15. The Chair asks for the comments about the agenda. Kaiying requeist to add her derfered doc. Th chair mentios that it will be added in the future session. The agenda is approved.

* Technical Submissions:
  1. [**1250r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-1250-00-00be-lb266-cr-for-ml-sm-power-save-mode.docx) **cr-for-ML-SM-power-save-mode Jason Y. Guo [1C Cont. 10’**]

Discussion:

C: It is difficult for multiple links to do SM power save when only one RF chain in primary link is used for monitoring the medium.

C: When the primary link is used for intial frame exchange, what is the other link’s behavior.

A: the other link’s AP needs to get the medium access right before the frame exhcnages.

C: needs more time to understand the proposal.

C: EMLSR is similar. Maybe the two mechanisms can be harmonized.

A: these two mechanisms are different.

SP deferred

* 1. [**1434r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1434-02-00be-lb266-cr-cl35-emlsr-part3.docx) **LB266 CR CL35 EMLSR part3 Minyoung Park [7C-SP 10’**]

Discussion:

C: could’t understand the note of 12814 and don’t agree with it.

A: will defer it.

SP: Do you support to accept the resolution in 11-22/1433r2 for the following CIDs?

13411, 13416, 14000, 11454, 11455

No Objection

* 1. [**1228r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1228-02-00be-lb266-cr-for-9-1-13-9-and-9-6-13-10.docx) **CR for 9.1.13.9 and 9.6.13,10 Guogang Huang [1C-SP 5’**]

Discussion:

C: the BSS Transition management is optional. A non-AP MLD that monitors the link where the AP wil be removed can’t figure out the AP removal ahead of the time.

A: will defer the SP.

SP deferred

* 1. [**1336r3**](https://mentor.ieee.org/802.11/dcn/22/11-22-1336-03-00be-lb266-resolution-for-comments-related-to-mlo-ba-operation.docx) **Resolution for comments related to MLO BA operation Abhishek Patil [20C-SP 5’**]

Discussion:

No

SP: Do you support to accept the resolution in 11-22/1336r3 for the following CIDs?

11374 10346 11371 11372 11613 10349 10350 11612 12446

No Objection

* 1. [**1188r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1188-02-00be-cr-for-medium-sync-recovery.docx) **CR for Medium Sync Recovery Dibakar Das [4C-SP 5’**]

Discussion:

No

SP: Do you support to accept the resolution in 11-22/1188r2 for the following CIDs?

11581, 11452, 13402, 13404

No Objection

* 1. [**1252r3**](https://mentor.ieee.org/802.11/dcn/22/11-22-1252-03-00be-lb266-cr-for-cids-related-to-35-3-25.docx) **CR for CIDs related to 35.3.25 Laurent Cariou [10C 10’**]

Discussion:

C: the note of 12819 adds the additional requirement to AP removal, please defer it.

A: will defer it.

SP: Do you support to accept the resolution in 11-22/1252r3 for the following CIDs?

10661 13010 13824 13011 12685 10662 10663 10087 10664

No Objection

* 1. [**1436r2**](https://mentor.ieee.org/802.11/dcn/22/11-22-1436-00-00be-cr-for-9-4-2-316-qos-charateristics-element-part-1.docx) **CR for 9.4.2.316 QoS charateristics element Part 1 Duncan Ho [47C 40’**]

Discussion:

C: 10071. The commenter is not right.

C: 10703. peak rate will decide the burst size.

A: burst size is based on the delay bound.

C: an example will help the people to understand the mechanism.

C: please defer 10703.

A: ok.

C: please defer 11243

C: 12174. A capability bits indicate the support of SCS and R-TWT independently. How to handle the case that R-TWT si supported but the SCS is not supported.

A: will defer this CID.

C: please defer 12291 and 12292.

A: ok.

SP: Do you support to accept the resolution in 11-22/1436r2 for the following CIDs?

10070, ~~10071,~~ 10424, 10425, ~~10703,~~ 10704, ~~11243,~~ 11523, 11524, 11525, 11699, 11954, ~~12174, 12291, 12292~~

No Objection

* 1. [**1225r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1225-01-00be-lb266-cr-on-cid-12318-ess-report-element.docx) **CR on CID 12318 ESS Report element Guogang Huang [1C 10’**]

Discussion:

C: the original discusison indiates that the proposed mechanism doesn’t provide benifit. You don’t need additional information. Instead the current per link informaiton can be used.

C: would like to do offline discussion for further understanding of the proposal.

SP deferred.

* 1. [**1426r1**](https://mentor.ieee.org/802.11/dcn/22/11-22-1426-01-00be-lb266-cr-for-cid-13840.docx) **LB266 CR for CID 13840 Sanghyun Kim [1C 10’**]

Not finished

The chair asks whether there is any other business. No response is received. The meeting is recessed at 11:59pm

**Thursday, 15 September 2022, 10:30 –12:30PM EDT (TGbe MAC ad hoc session)**

Chairman: Jeongki Kim (Ofinno)

Secretary: Laurent Cariou (Intel)

This meeting took place using a mixed webex session and F2F session.

**Introduction**

1. The Chair (Jeongki, Ofinno) calls the meeting to order at 4:30pm EDT. The Chair introduces himself and the Secretary, Laurent Cariou (Intel)
2. The Chair goes through the registration information, the meeting protocol, the attendance reminder, the copyright policy, 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 recommends using IMAT for recording the attendance.
   * Please record your attendance during the session 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> session 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 |
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1. The Chair reminds that the agenda can be found in 11-22/1246r19. The Chair asks for the comments about the agenda. Comment to remove doc 1263 from agenda. The agenda is approved.

* Technical Submissions:
  1. [1470r7](https://mentor.ieee.org/802.11/dcn/22/11-22-1470-07-00be-lb266-cr-for-some-cids-in-35-9-35-9-1-35-9-2-35-9-4-and-35-9-4-1.docx) CR for some CIDs in 35.9,35.9.1,35.9.2,35.9.4 and 35.9.4.1 Chunyu Hu [10C SP 10’]

Discussion: No discussion

SP: Do you support to accept the resolution in 11-22/1470r7 for the following CIDs?

13637, 13016, 10684, 10685, 13838, 11705, 13034, 13035, 13831

No Objection

SP: Do you support to accept the resolution in 11-22/1470r7 for the following CIDs?

10689

No Objection

* 1. [1422r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1422-02-00be-lb266-resolution-for-comments-related-to-various-aspects-of-mlo.docx) Res. for comments related to various aspects of MLO Abhishek Patil [3C SP 5’]

Discussion: No discussion

SP: Do you support to accept the resolution in 11-22/1422r2 for the following CIDs?

10896 12280 13008

No Objection

* 1. [1233r8](https://mentor.ieee.org/802.11/dcn/22/11-22-1233-08-00be-cr-for-35-3-19-part1.docx) CR for 35.3.19 part1 Kaiying Lu [3C-SP 5’]

Discussion:

* + - Q: you need a shall requirement instead of a note for making the switch simultaneous for the primary and non-primary link.
    - A: note is sufficient

SP: Do you support to accept the resolution in 11-22/1233r8 for the following CIDs?

10900, 12284,13653

Y 29

N 8

A 27

Passes 75%

* 1. [1196r4](https://mentor.ieee.org/802.11/dcn/22/11-22-1196-04-00be-lb266-clause-3-2-comment-resolutions.doc) lb266-clause-3-2-comment-resolutions Stephen McCann [10C-SP 10’]

Discussion:

Q: definition of service period. Prefer to keep ”allocated”

A: synonym with ”granted”

Q: NSTR mobile AP doesn’t exist, definition should be for NSTR mobile AP MLD

A: will make the change

Q: wait for the normative rules before defining eMLMR definition, ask to defer

A: got your point, but we need a definition

Q: modify the definition of eMLSR and eMLMR to be clearer

A: that was my intention but opposition to change eMLSR definition

SP: Do you support to accept the resolution in 11-22/1196r4 for the following CIDs?

10440, 11171, 11816, 12217

No objection

* 1. [1344r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1263-02-00be-lb266-cr-for-txop-return-in-mu-rts-txs.docx) CR for CIDs related to 35.3.11 Laurent Cariou [2C-SP 5’]

Discussion: No discussion

SP: Do you support to accept the resolution in 11-22/1344r3 for the following CIDs?

14118, 13917

No Objection

* 1. [1429r3](https://mentor.ieee.org/802.11/dcn/22/11-22-1429-03-00be-lb266-cr-for-cids-related-to-35-3-7.docx) CR for CIDs related to 35.3.7 Laurent Cariou [1C-SP 5’]

Discussion: No discussion

SP: Do you support to accept the resolution in 11-22/1429r3 for the following CIDs?

12625

No Objection

* 1. [1436r3](https://intel-my.sharepoint.com/personal/laurent_cariou_intel_com/Documents/CR%20for%209.4.2.316%20QoS%20charateristics%20element%20Part%201) CR for 9.4.2.316 QoS charateristics element Part 1 Duncan Ho [47C Ctd. 40’]

Discussion:

Q: for CID13246, want to remove one bit

A: agree to defer

Q: for CID13246: allow both fields at the same time

A: discuss offline

Q: ask to defer 12321

Q: CID13488: what if the link is disabled?

Q: clarification on CID13247

SP: Do you support to accept the resolution in 11-22/1436r3 for the following CIDs?

12468, 12719, 12831, 12833, 12971, 12972, 13110, 13218, 13219, 13247, 13485, 13486, 13488

No Objection

* 1. [1381r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1381-00-00be-lb266-cr-ml-traffic-indication-part1.docx) CR ML traffic indication part1 Minyoung Park [32C 40’]

Discussion:

Q: won’t legacy be disturbed by seeing beacon-A after beacon instead of group addressed frames

A: it’s a group addressed frame so should be fine

Q: shouldn’t we want to have a mode for when there are not too many STAs in the BSS?

A: better to have a single mode

The chair asks whether there is any other business. No response is received. The meeting is adjourned at 12:30pm