IEEE P802.11  
Wireless LANs

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| TGbe May 2022 Teleconference Minutes | | | | |
| Date: 2022-01-20 | | | | |
| Author(s): | | | | |
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| Matthew Fischer | Broadcom |  |  |  |

Abstract

This document contains the minutes for May 2022 IEEE 802.11 interim TGbe teleconferences.

Revision history:

* Rev0: First version of the document. Contains minutes for Tuesday and Wednesday.

# Tuesday, May 10, Joint (09:00-11:00)

1. The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order at 09:01 ET. The Chair notifies that the agenda is in [0595r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0595-04-00be-tgbe-may-2022-meeting-agenda.pptx).
2. Procedural information. The Chair notifies that each individual has to register to the plenary. The Chair goes through procedures slide 3.
3. Meeting Protocol slides 4-5.
4. Attendance, voting and document status, slide 6.
5. Attendance reminder, slide 7:

3.1. Please record your attendance during the conference call by using the IMAT system:

Ueo 1) login to imat, 2) select “802.11 Electronic Plenary(<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.

* 1. If you are unable to record your attendance contact the Chair Alfred Asterjadhi and Secretary Dennis Sundman and we will help you.

1. IEEE-SA Policies and Procedure

Patent Policy, slide 9-10:

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair. Speak up now and respond to this Call for Potentially Essential Patents. **Nobody speaks/writes up**.

1. The chair goes through Other guidelines for IEEE WG meetings, Patent-related information, Participation in IEEE 802 Meetings, and Copyright, slides 11-14. The Chair wants it noted in the minutes that slide 14: **Copyright Policy** was presented. The Chair encourages the group to carefully read slides 15-16 in [0595r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0595-04-00be-tgbe-may-2022-meeting-agenda.pptx).
2. Announcements:
   1. TGbe officer re-election on Wednesday Joint session.
   2. PHY ad-hoc has completed their agenda items. Remaining meetings scheduled this week are cancelled.
3. Agenda:
   1. Discussion:

C: There is a document 610 that is revision 2 instead of revision 1.

C: Revision 2 on 269.

C: I (Insung Jang) will present instead of Jiin Kim.

C: Can you remove 314 from the agenda?

* 1. Agenda approved with unanimous consent.

1. [Guideline](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-11-00be-tgbe-teleconference-guidelines.docx) Update
   1. Some questions and minor discussion.
2. CR Submissions:
   1. [1437r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1437-00-00be-resolution-for-cids-related-to-ml-probe-response.docx) Resolution for CIDs related to ML probe response Insung Jang [2C 10’]

Insung summarizes the comment resolution.

**Motion 359**

Move to approve resolutions to the CIDs:

* 6449, 5252 in [11-22/1437r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1437-01-00be-resolution-for-cids-related-to-ml-probe-response.docx)

and incorporate the text changes into the latest TGbe draft.

Move: Insun Jang Second: Edward Au

Discussion: None.

Result: Approved with unanimous consent.

**Motion 360**

Move to approve a resolution of:

*“Rejected -- A proposed resolution for “this CID” was discussed as part of the comment resolutions in “document”, however the group could not reach consensus on a proposed change that would resolve the comment.”* for “these CIDs” and with referenced “documents” listed below:

* 4717, 4838 in [11-22/34r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0034-02-00be-cr-qos-characteristics-with-rtwt-setup.docx) *[2 CIDs, Discussed on May10’22: SP result: 20Y, 41N, 54A]*

Move: Jarkko Kneckt Second: Mike Montemurro

Discussion: None.

Result: Approved with unanimous consent.

* 1. [034r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0034-01-00be-cr-qos-characteristics-with-rtwt-setup.docx) CR - QoS characteristics with rTWT setup Binita Gupta [2C 20’]

Binita goes through the CRs.

Discussion:  
C: TWT is on link level. Do we need link level setups for QoS charectaristics. The charectaristics are on the MLD level.

C: There is no T class element for SCS. In DL T class element is useful.

*More discussion regarding P2P and QoS charectaristics.*

**SP2:** Do you agree to resolve the following CIDs listed in [11-22/34r](https://mentor.ieee.org/802.11/dcn/22/11-22-0034-02-00be-cr-qos-characteristics-with-rtwt-setup.docx)2 and incorporate the text changes into the latest TGbe draft?

* 4717, 4838

Discussion: Yes, noted above.­­­­­­­­­

Result: 20Y, 41N, 54A

* 1. [573r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0573-00-00be-cid5999-cid5998-for-clause-35-3-15-6-sync-ppdu-start-time.docx) CID5999-CID5998-for-clause-35-3-15-6-sync-ppdu-start-time Dmitry Akhmetov [2C 10’]

Dmitry goes through the CRs.

Discussion:

C: Can you show where the RXTXturnaround time be 4 us?

A: I got it as requested by members.

**Motion 361**

Move to approve resolutions to the CIDs:

* 5999, 5998 in [11-22/573r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0573-01-00be-cid5999-cid5998-for-clause-35-3-15-6-sync-ppdu-start-time.docx)

and incorporate the text changes into the latest TGbe draft.

Move: Dmitry Akhmetov Second: Edward Au

Discussion: None.

Result: Approved with unanimous consent.

* 1. [610r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0610-01-00be-cr-for-cids-7662-and-7872-cc36.docx) CR for CIDs 7662 and 7872 (CC36) Peshal Nayak [2C 10’]

Peshal goes through the CRs.

**Motion 362**

Move to approve resolutions to the CIDs:

* 7662, 7872 in [11-22/610r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0610-03-00be-cr-for-cids-7662-and-7872-cc36.docx)

and incorporate the text changes into the latest TGbe draft.

Move: Peshal Nayak Second: Rubayet Shafin

Discussion: None.

Result: Approved with unanimous consent.

* 1. [0894r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0894-02-00be-channel-reservation-for-low-latency-traffic.pptx) Channel Reservation for Low Latency Traffic Liangxiao Xin [1C 20’]

Liangxiao goes through the presentation.

Discussion:

C: These SPs requires STAs that are non supporting. In 11be we ended up specifying TWT as optional feature. In SP1, any STA (legacy or TGbe not participating in TWT), they can not understand what is going on. In SP2, this rule will be ignored by legacy STA.

* 1. [313r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0313-00-00be-resolution-for-cid-related-to-status-code-field.docx) Resolution for CID related to Status Code field Insung Jang [1C 10’]

The one CID is rejected.

**Motion 363**

Move to approve resolutions to the CIDs:

* 7376 in [11-22/313r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0313-00-00be-resolution-for-cid-related-to-status-code-field.docx)

and incorporate the text changes into the latest TGbe draft.

Move: Insun Jang Second: Edward Au

Discussion: None.

Result: Approved with unanimous consent.

* 1. [2032r1](https://mentor.ieee.org/802.11/dcn/21/11-21-2032-01-00be-cc36-resolution-to-cid-5958-for-nstr-mobile-ap-mld-operation.docx) Resolution to CID 5958 for NSTR mobile AP MLD operation Liuming Lu [1C 10’]

Liuming goes through the document.

Discussion:

C: Have you considered the impact of this proposal to the overall access scheme?

A: Do you mean this particular bullet (page 3)

**SP8:** Do you agree to resolve the following CIDs listed in [11-21/2032r](https://mentor.ieee.org/802.11/dcn/21/11-21-2032-02-00be-cc36-resolution-to-cid-5958-for-nstr-mobile-ap-mld-operation.docx)2 and incorporate the text changes into the latest TGbe draft?

* 5958

Discussion: Yes, noted above.

Result: 6Y, 45N, 49A

**Motion 364**

Move to approve a resolution of:

*“Rejected -- A proposed resolution for “this CID” was discussed as part of the comment resolutions in “document”, however the group could not reach consensus on a proposed change that would resolve the comment.”* for “these CIDs” and with referenced “documents” listed below:

* 5958 in [11-21/2032r](https://mentor.ieee.org/802.11/dcn/21/11-21-2032-02-00be-cc36-resolution-to-cid-5958-for-nstr-mobile-ap-mld-operation.docx)2 *[1 CIDs, Discussed on May 10’22: SP result: 6Y, 45N, 49A]*

Move: George Cherian Second: Edward Au

Discussion: None.

Result: Approved with unanimous consent.

* 1. [269r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0269-01-00be-cid-5944-discussion.pptx) CID 5944 discussion Li-Hsiang Sun [1C 20’]

Li-Hsiang presents the CID.

Running out of time.

1. AoB: No other business.
2. Recess at 11:00 ET

# Wednesday, May 11, Joint (9:00 – 11:00 ET)

< Minutes by Matthew Fischer, Broadcom >

1. The Chair, Alfred Asterjadhi (Qualcomm), calls the meeting to order at 09:01 ET. The Chair notifies that the agenda is in [0595r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0595-04-00be-tgbe-may-2022-meeting-agenda.pptx).
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1. IEEE-SA Policies and Procedure

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1. The chair goes through Other guidelines for IEEE WG meetings, Patent-related information, Participation in IEEE 802 Meetings, and Copyright, slides 11-14. The Chair wants it noted in the minutes that slide 14: **Copyright Policy** was presented. The Chair encourages the group to carefully read slides 15-16 in [0595r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0595-04-00be-tgbe-may-2022-meeting-agenda.pptx).
2. Agenda:
   1. CR submission first hour, motions second hour
   2. Agenda approved with unanimous consent.
3. Request for closed captioning discussed, attempted to enable closed captioning, but it is not working
4. CR Submissions:
   1. [11-21-0894r6](https://mentor.ieee.org/802.11/dcn/21/11-21-0894-06-00be-channel-reservation-for-low-latency-traffic.pptx) Channel Reservation for Low Latency Traffic LiangXiao Xin (Sony) [1C SP 10’]

Document presented in previous session, so LiangXiao Xin reviews the SPs.

Discussion:

C: Concerns about legacy device impact regarding failure to receive CTS potentially causing problems with rate selection and latency, concern about legacy STA receiving reduced access, reduced priority to medium

C: The expectation is that the failure to receive CTS will happen only once, legacy STA will miss CTS one time and will send a new RTS, either AP or participating rTWT STA will gain access to the channel, so that the legacy STA will not have additional opportunities to fail

C: Question on non-AP sharing TXOP with AP, non-AP sends CTS to AP, why?

C: Reverse direction grant exists, question of why a new mechanism is proposed

C: Text is general, indicated mechanism is not the only possible one to use, RDG is not sharing the TXOP, it is single PPDU at a time, proposed method in this doc is full TXOP sharing by the AP to address any STA, not just the RDG sharing STA

C: SP2, agree with previous commenter, does not see advantage of the 894 method

C: If only AP competes with several OBSS STA, rTWT access is slower, using 894 method, several STA can compete and win channel access, so that rTWT access time is reduced which improves latency

C: AP and STA know what traffic needs to be transmitted during rTWT

SP1: Do you support that A R-TWT scheduling AP may not send a CTS in response to an RTS from a STA which is not a member of the R-TWT SP during a R-TWT SP?

* Note: this SP aims to trigger the below change in the spec for the resolution of CID 4121

Discussion: Some.

Result: 18Y, 111N, 54A

Do you wish to run SP2?

Yes

SP2: Do you support that during a R-TWT SP, a member STA of the R-TWT SP can share its TXOP with the R-TWT scheduling AP?

Note: this SP aims to trigger the below change in the spec for the resolution of CID 4121

Discussion: Some.

Result: 12Y, 117N, 55A

* 1. [11-22-0536r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0536-00-00be-cc36-resolution-for-cid-5882.docx) cc36-resolution-for-cid-5882 LiangXiao Xin (Sony) [1C 15’]

LiangXiao discusses the document contents.

Discussion:

C: The resolution attempts to add, during rTWT negotiation that non-AP STA will be allowed to contend outside of the rTWT, but this is already allowed in the text, so this change is not needed

C: possible that TXOP is not obtained, then extend TWT SP or end the SP later, if need to choose the later option, then the AP needs to schedule additional traffic, this proposed bit would help the AP to decide whether to extend the SP or not, knowing if the STA will attempt access on its own outside of the TWT SP, also, the allowance for access outside of the SP is indicated as “should not”

C: agree with previous commenter, that access outside of TWT SP is already allowed, distinction here is that AP should be able to approve/decide whether non-AP STA is allowed to TX outside of the TWT SP

C: the decision is still given to the non-AP STA

C: but this new bit is a request from the STA

C: this bit means that AP will know definitively what the STA will do

SP1: Do you agree to resolve the following CIDs listed in [11-22/536r](https://mentor.ieee.org/802.11/dcn/22/11-22-0536-00-00be-cc36-resolution-for-cid-5882.docx)0 and incorporate the text changes into the latest TGbe draft?

* 5882

Discussion: Some.

Result: 14Y, 90N, 53A

* 1. [11-21-1111r14](https://mentor.ieee.org/802.11/dcn/21/11-21-1111-12-00be-mld-architecture-part-2.docx) mld-architecture-part-2 Mark Hamilton (Ruckus) [5C SP 20’]

Mark reviews the document contents.

Discussion:

C: Figure 5-28, block ack scoreboarding within each link, same block in upper MAC - why do we need in both?

C: scoreboarding per link vs scoreboarding partial v merging

C: per MPDU needs to be buffered for PS, why at MLD level? Buffer should be per link

C: management of PS state and mode is lower level at the link, buffering at MLD in case all links are PS, then must be done before SEQ assigned, cannot buffer after frame construction

C: this is not explained anywhere in D1.5, the case of all links in PS, should add text

C: should be FCS, not CRC creation, FCS is for MPDU, CRC is for AMPDU delimiter

C: will check

C: Figure 282b, seems duplicated

C: 2a is just ML, 2b adds STAs, so it becomes dense

C: page 7, per physical link, why “physical”, this is unique wording

C: ok to delete

C: Figure 4-30, lower v upper layer, shared by MLD and non-MLD upper layer, not certain that “MLD” is needed here, assuming “legacy” means non-MLD

C: use of legacy is not correct, agree

No SP

1. Motions (during 2nd half of meeting): [1982r72](https://mentor.ieee.org/802.11/dcn/20/11-20-1982-72-00be-tgbe-motions-list-for-teleconferences-part-2.pptx)
   1. Approve TG minutes

Move to approve TGbe minutes of teleconferences listed below:

* + - March Electronic: <https://mentor.ieee.org/802.11/dcn/22/11-22-0495-01-00be-tgbe-mar-2022-meeting-minutes.docx>
    - Teleconferences March-May: <https://mentor.ieee.org/802.11/dcn/22/11-22-0602-03-00be-mar-may-tgbe-teleconference-minutes.docx>

Move: Rojan Chitrakar Second: Edward Au

Discussion: No discussion

Result: Approved with unanimous consent.

* 1. Motion 301

**Move to confirm Dennis Sundman as TGbe Secretary**

Move: Youhan Kim Second: Mike Montemurro

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion to confirm vice chairs

**Move to confirm Laurent Cariou and Matthew Fischer as TGbe Vice Chairs**

Move: Subir Das Second: Po-kai Huang

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion 365 (MAC-1)

**Move to approve resolutions to the CIDs:**

* 4232, 4282, 5161, 5997, 6132, 6381, 6562, 6941, 7450, 7495 in [11-22/527r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0527-01-00be-remaining-11be-cids-misc.docx) *[10 CIDs]* &5337 in [11-22/552r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0552-03-00be-cc36-cr-for-individual-twt.docx) *[1 CID]*
* 5280, 6458, 5309, 5310, 5387, 4304, 5287, 6108, 6945 in [11-22/611r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0611-02-00be-cc36-cr-for-clause-10-and-clause-11.docx) *[9 CIDs] &* 7056 in [11-22/0011r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0011-01-00be-cr-of-cid-7056-and-7710.docx) *[1 CID]*
* 4283, 5028, 6176, 6619, 7319 in [11-21/1973r3](https://mentor.ieee.org/802.11/dcn/21/11-21-1973-03-00be-comment-resolution-35-1-and-35-3-1.docx) *[5 CIDs]* &4836, 5127, 7782 in [11-21/1825r3](https://mentor.ieee.org/802.11/dcn/21/11-21-1825-03-00be-remaining-cr-for-35-3-15-8-1.docx) *[3 CIDs]*
* 6345, 5932, 5747, 5905, 5773, 4932 in [11-22/306r5](https://mentor.ieee.org/802.11/dcn/22/11-22-0306-05-00be-cc36-cr-emlsr-misc.docx) *[6 CIDs]* &4036, 4715, 4722, 5915, 6876 in [11-22/308r7](https://mentor.ieee.org/802.11/dcn/22/11-22-0308-07-00be-cc36-resolution-for-cids-related-to-ml-advertisement-part-3.docx) *[5 CIDs]*
* 4208, 4209, 5614, 5850, 7621 in [11-22/540r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0540-01-00be-cr-for-nstr-mobile-ap-mlo-part3.docx) *[5 CIDs] &* 5704, ~~5706~~, 5108, 5270, 5700 in [11-22/540r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0540-04-00be-cr-for-nstr-mobile-ap-mlo-part3.docx) *[5 CIDs]*

**and incorporate the text changes into the latest TGbe draft.**

Move: Mike Montemurro Second: Abhishek Patil

Discussion:

Remove CID 5706

Result: Approved with unanimous consent.

* 1. Motion 366 (MAC-2)

Move to approve resolutions to the CIDs:

* 4042, 4043, 4044, 4065, 4254, 5050, 5210, 5211, 5306, 5308, 5323, 5324, 5325, 5326, 5327, 5361, 5604, 5605, 5667, 5910, 5918, 5972, 5973, 5974, 5975, 5976, 5977, 6195, 6196, 6197, 6202, 6264, 6265, 6392, 6488, 6631 in [11-21/1208r9](https://mentor.ieee.org/802.11/dcn/21/11-21-1208-09-00be-cc36-resolution-for-cids-for-35-3-4-2.docx) *[41 CIDs]*
* 5253, 5254, 5278, 5769, 6245, 6446, 6447, 6448, 6450 in [11-22/551r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0551-00-00be-cc36-cr-for-misc-cids-related-to-ml-discovery-and-setup.docx) *[9 CIDs] &* 4419, 6660, 8169 in [11-22/1175r6](https://mentor.ieee.org/802.11/dcn/21/11-21-1175-06-00be-cc36-resolution-for-cids-related-to-ml-advertisement-part-1.docx) *[3 CIDs]*
* 7851, 6406, 5249, 6355, 5609, 4109, 5215, 6284, 5246, 5216, 6285, 8191, 6982, 5610, 6951, 8190, 6286, 6527, 6952, 5079, 6761, 7332, 6953, 6402, 6362, 5248, 6954, 6363, 7412, 7817, 8192, 8193, 4824, 7411 in [11-22/601r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0601-02-00be-cr-for-cids-on-tid-to-link-mapping-part-2.docx) *[34 CIDs]*
* 4922, 4923, 5185, 5187, 5188, 5189, 6043, 6045, 6653, 6933, 7447 in [11-22/575r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0575-02-00be-cc36-resolution-for-cids-related-to-clause-12.docx) [11 CIDs]
* 6070 in [11-22/254r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0254-03-00be-cc36-cr-on-broadcast-twt-for-mld.docx) *[1 CID]*
* 6629, 4049, 6359, 6182 in [11-22/599r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0599-02-00be-cr-for-miscellaneous-cids-part-ii.docx) *[4 CIDs]*

and incorporate the text changes into the latest TGbe draft.

Move: Laurent Cariou Second: Edward Au

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion 367 (MAC-3)

Move to approve resolutions to the CIDs:

* 5289, 5332, 5335, 5338, 5341 in [11-21/1280r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1280-01-00be-cc36-cr-on-multi-link-element.doc) *[5 CIDs]*
* 6225 in [11-22/564r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0564-01-00be-cc36-cr-for-35-2-1-1.docx) *[1 CID]*
* 6075, 6076, 7001 in [11-22/631r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0631-02-00be-cc36-comment-resolution-for-miscellaneous-comments-part-3.docx) *[3 CIDs]*

and incorporate the text changes into the latest TGbe draft.

Move: Edward Au Second: Ming Guan

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion 368 (JOINT-1)

Move to approve resolutions to the CIDs:

* ~~4262, 6012,~~ 4284, 4309, 4310 in [11-22/545r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0545-03-00be-cc36-cr-on-eht-operation-element-part2.doc) *[3 CIDs]*
* 6120, 6121 in [11-22/454r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0454-01-00be-joint-cr-miscellaneous-cc36.docx) *[2 CIDs]*
* 5452 in [11-22/571r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0571-00-00be-cc36-cid-5452.docx) *[1 CID]*
* 4149, 4592, 5230, 8062, 6025, 7039, 7344, 7710 in [11-22/660r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0660-01-00be-proposed-resolution-to-the-remaining-editorial-comments.docx) *[8 CIDs]*
* 6144, 7990 in [11-22/559r4](https://mentor.ieee.org/802.11/dcn/22/11-22-0559-04-00be-cc36-cr-for-cids-6144-and-7990.doc) *[2 CIDs]*

and incorporate the text changes into the latest TGbe draft.

Move: Edward Au Second: Lei Zhou

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion 369 (PDT)

Move to approve changes to the TGbe draft as specified in the following documents:

* **Joint:** [**11-22/661r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-0661-00-00be-editorial-fixes-to-subclause-9-4-2-312-2-2.docx)
* **PHY:** [**11-22/625r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-0625-00-00be-pdt-for-unify-the-terms-ru-mru-and-ru-or-mru.doc)**,** [**11-22/711r0**](https://mentor.ieee.org/802.11/dcn/22/11-22-0711-00-00be-eht-mcs-and-nss-set-fix.docx)

Move: Edward Au Second: Youhan Kim

Discussion:

Change document reference from 660r1 to 661r0

Result: Approved with unanimous consent.

* 1. Motion 370 (Remnant-1)

Move to approve the resolutions to the following CIDs:

* For CID 8263: “Revised - Incorporate the changes under CID 4811 as shown in [11-22//0039r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0039-03-00be-cc36-cr-on-35-2-1-3-part-2.docx)”
* ~~For CID 5977: “Revised - Incorporate the changes under CID 6197 as shown in~~ [~~11-22/1208r9~~](https://mentor.ieee.org/802.11/dcn/21/11-21-1208-09-00be-cc36-resolution-for-cids-for-35-3-4-2.docx)~~”~~
* ~~For CID 5941: “Rejected - The cited section is within the new clause 35 for multi link, and further, in a subclause within a subclause that is titled multi link operation. It seems excessively redundant to keep repeating the phrase multi-link within the title of every subclause and sub-subclause. That would be like naming the chapters of the book moby dick as moby dick chapter 1, moby dick chapter 2, etc - you already know that you are reading moby dick. you don't need to be constantly reminded of it.”~~

and incorporate the text changes into the latest TGbe draft.

Move: Edward Au Second: Abhishek Patil

Discussion:

5977 already addressed by xxx

5941 addressed by motion 256

Result: Approved with unanimous consent.

* 1. Motion 371 (Withdrawal)
* **Move to approve “Rejected” resolutions to the CIDs:**
* **6224, 4010, 4083**
* **With the following rejection reason: “The commenter has withdrawn the comment”.**

Move: Bin Tian Second: Mike Montemurro

Discussion: No discussion.

Result: Approved with unanimous consent.

* 1. Motion 372 (Quarantine-1)

**Move to approve a resolution of:**

***“Rejected -- A proposed resolution for “this CID” was discussed as part of the comment resolutions in “document”, however the group could not reach consensus on a proposed change that would resolve the comment.”* for “these CIDs” and with referenced “documents” listed below:**

* ~~4015, 4034, 4204, 4312, 5063, 5351, 5375, 5945, 6331, 6332, 7463, 7635, 7827, 8035, 8051 in~~ [~~11-21/1175r6~~](https://mentor.ieee.org/802.11/dcn/21/11-21-1175-06-00be-cc36-resolution-for-cids-related-to-ml-advertisement-part-1.docx) *[15 CIDs, SP on April 21, 2022: 48 Yes, 27 No, 24 Abs]*
* ~~4253~~, ~~4277~~, 4378, 5328, ~~6201~~ in [11-21/1208r9](https://mentor.ieee.org/802.11/dcn/21/11-21-1208-09-00be-cc36-resolution-for-cids-for-35-3-4-2.docx) *[5 CIDs, Discussed on April 25, 2022: No SP]*
* 7606 in [11-21/1259r5](https://mentor.ieee.org/802.11/dcn/21/11-21-1259-05-00be-cr-35-3-14-3-nstr-operation.docx)  *[1 CID,* Discussed last year. *No SP]*
* ~~4027, 5030, 5692, 5759, 5956, 5957, 6347, 6498, 6766, 6767, 6895, 7671, 8179 in~~ [~~11-21/1793r3~~](https://mentor.ieee.org/802.11/dcn/21/11-21-1793-03-00be-cc36-cr-for-enterprise-grade-tid-mapping.docx)*~~[13 CIDs, Discussed on April 18, 2022: No SP]~~*
* 5105, 5362, 6136, 6320, 6556 in [11-21/1825r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1825-01-00be-remaining-cr-for-35-3-15-8-1.docx) *[5 CIDs, Discussed on March 29, 2022: No SP]*
* 8184 in [11-21/1825r3](https://mentor.ieee.org/802.11/dcn/21/11-21-1825-03-00be-remaining-cr-for-35-3-15-8-1.docx) *[1 CID, Discussed on April 18, 2022: No SP]*

Move: Mike Montemurro Second: Ming Guan

Discussion:

4253 remove this CID

4277 remove this CID

6201 remove

1793r4 yet to be presented, pending SP, remove associated CIDs

1175r6 pending a decision, remove from the list

Result: Approved with unanimous consent.

* 1. Motion 373 (Quarantine-2)

**Move to approve a resolution of:**

***“Rejected -- A proposed resolution for “this CID” was discussed as part of the comment resolutions in “document”, however the group could not reach consensus on a proposed change that would resolve the comment.”* for “these CIDs” and with referenced “documents” listed below:**

* 6032 in [11-21/1877r9](https://mentor.ieee.org/802.11/dcn/21/11-21-1877-09-00be-cr-for-mld-individually-addressed-management-frame-delivery.docx) *[1 CID, Motioned on March 14, 2022: 89 Yes, 71 No, 32 Abs; SP on Mar. 10, 2022: 41Y, 32N, 28A; Discussed on Mar. 7, 2022: No SP]*
* 6105 in [11-21/2009r2](https://mentor.ieee.org/802.11/dcn/21/11-21-2009-02-00be-cr-for-3-2.docx)  *[1 CID, Discussed on January 20, 2022: No SP]*
* 4029, 4334, 4335, 4336, 5357, 6247, 6248, 6326, 6586, ~~6885~~, 6984, 7822, 7866, 8049 in [11-22/306r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0306-01-00be-cc36-cr-emlsr-misc.docx)  *[14 CIDs, Discussed on March 24, 2022: No SP]*
* ~~6629 in~~ [~~11-22/0526r1~~](https://mentor.ieee.org/802.11/dcn/22/11-22-0526-01-00be-cr-for-miscellaneous-cids.docx)*~~[1 CID, Discussed on April 14, 2022: No SP]~~*
* 4293, 4294 in [11-22/0527r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0527-01-00be-remaining-11be-cids-misc.docx) *[2 CIDs, Discussed on April 18, 2022: No SP]*
* ~~6898 in~~ [~~11-22/0547r5~~](https://mentor.ieee.org/802.11/dcn/22/11-22-0547-05-00be-cc36-cr-for-qos-related-and-misc-topics.docx)*~~[1 CID, Discussed on April 11, 2022: No SP]~~*

Move: Laurent Cariou Second: Edward Au

Discussion:

6629 remove

6898 remove, see 200r1

6885 remove

Result: Approved with unanimous consent.

* 1. Motion 374 (Quarantine-3)

Move to approve a resolution of:

*“Rejected -- A proposed resolution for “this CID” was discussed as part of the comment resolutions in “document”, however the group could not reach consensus on a proposed change that would resolve the comment.”* for “these CIDs” and with referenced “documents” listed below:

* ~~5256, 5281, 5651, 6240, 6241, 6242 in~~ [~~11-22/0552r3~~](https://mentor.ieee.org/802.11/dcn/22/11-22-0552-03-00be-cc36-cr-for-individual-twt.docx)*~~[6 CIDs, Discussed on April 25, 2022: No SP]~~*
* 4762, 4763, 5223, 5224, 5613, 5669, 5846, 6066, 6067, 6135, 6218, 6220, 6422, 6550, 6742, 6881, 7614, 8050, 8359, 8361 in [11-22/0570r3](https://mentor.ieee.org/802.11/dcn/22/11-22-0570-03-00be-cc36-comment-resolution-for-miscellaneous-comments-part-2.docx) *[20 CIDs Discussed on April 7, 2022: No SP]\*\**
* 4028, 4030, 5040, 5042 in [11-22/0611r2](https://mentor.ieee.org/802.11/dcn/22/11-22-0611-02-00be-cc36-cr-for-clause-10-and-clause-11.docx) *[4 CIDs, Discussed on April 18, 2022: No SP]*
* 4714, 7886 in [11-21/1416r1](https://mentor.ieee.org/802.11/dcn/21/11-21-1416-01-00be-cr-for-txop-termination-of-nstr-mld.docx) *[2 CIDs, Discussed on October 11, 2021: No SP]\**
* 5880 in [11-22/894r6](https://mentor.ieee.org/802.11/dcn/21/11-21-0894-06-00be-channel-reservation-for-low-latency-traffic.pptx) *[1 CID, Discussed on May 11, 2022: SP results: 18 Yes, 111 No, 54 Abs and 12 Yes, 117 No, 55 Abs]\**
* 5882 in [11-22/536r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0536-00-00be-cc36-resolution-for-cid-5882.docx) *[1 CID, Discussed on May 11, 2022: SP results: 14 Yes, 90 No, 53 Abs]\**
* 5877, 5879, 6356, 6547, 7865 in [11-21/1913r6](https://mentor.ieee.org/802.11/dcn/21/11-21-1913-06-00be-cc36-cr-consideration-on-edca-operation-for-restricted-twt.pptx) *[5 CIDs, Discussed on Jan 13’22: No SP; Discussed on Mar 10’22; No SP]*

*Note: CIDs that have been discussed and for which the group could not reach consensus.*

*\*Recent addition (05/10/2022), based on latest POC’s status report and discussions in Joint session.*

*\*\*Liwen’s pending document in the queue that contains 20 CIDs in quarantine and 10 pending discussion.*

Move: George Cherian Second: Laurent Cariou

Discussion: None.

Result: Approved with unanimous consent.

* 1. Motion 375 (Post-Q)

Move to approve “Rejected” resolutions to the CIDs:

* 4015, 5063 in [11-21/1869r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1869-00-00be-cr-for-mle-fragmentation.docx) ~~&~~ [~~11-21/1508r4~~](https://mentor.ieee.org/802.11/dcn/21/11-21-1508-04-00be-cc36-comment-resolution-multi-link-element-fragmentation.docx)*[2 CIDs, Discussed on Jan 6’22: No SP; SP on Jan 13’22: 48Y, 49N, 18A; SP on Apr 21: 35 for1869r0, 56 for 1508r4, 43A]*

With the following rejection reason: “The commenter has withdrawn the comment”.

Move: Jason Guo Second: Guogang Huang

Discussion:

* + - 1. Request for a count
      2. Request for published list of votes

Result: Y, N, A, nv: 105, 7, 34, 153

* 1. Motion 376 (Post-Q) - NOT MOVED

Move to approve resolutions to the CIDs:

* + 4015, 5063 in [~~11-21/1869r0~~](https://mentor.ieee.org/802.11/dcn/21/11-21-1869-00-00be-cr-for-mle-fragmentation.docx)& [11-21/1508r4](https://mentor.ieee.org/802.11/dcn/21/11-21-1508-04-00be-cc36-comment-resolution-multi-link-element-fragmentation.docx) *[2 CIDs, Discussed on Jan 6’22: No SP; SP on Jan 13’22: 48Y, 49N, 18A; SP on Apr 21: 35 for1869r0, 56 for 1508r4, 43A]*

and incorporate the text changes into the latest TGbe draft.

Move: Second:

Discussion:

NOT MOVED

* 1. Motion 377 (Post-Q)

Move to approve resolutions to the CIDs:

* 5877, 5879, 6356, 6547, 7865 in [11-21/1913r6](https://mentor.ieee.org/802.11/dcn/21/11-21-1913-06-00be-cc36-cr-consideration-on-edca-operation-for-restricted-twt.pptx) *[5 CIDs, Discussed on Jan 13’22: No SP; Discussed on Mar 10’22; No SP]*

and incorporate the text changes into the latest TGbe draft.

Move: Abhishek Patil Second: Mike Montemurro

Discussion:

Change to r6

Result: Approved with unanimous consent.

* 1. Motion 378 (Post-Q)

Move to approve resolutions to the CIDs:

* 4068, 7881 in [11-21/1185r5](https://mentor.ieee.org/802.11/dcn/21/11-21-1185-05-00be-cc36-resolution-for-cids-related-to-mbssid-part-2.docx) *[ 2 CIDs, Discussed on Mar 31’22: No SP]*

and incorporate the text changes into the latest TGbe draft.

Move: Arik Klein Second: Ming Guan

Discussion: No discussion.

Result: Approved with unanimous consent.

1. AoB:
   1. Editor gives CID count update
   2. Chair discusses a new document (no DCN) that includes all CIDs with no DCN
      1. CID 7864 should be removed from this new document
   3. MAC call later today
2. Recess at 11:00 ET.