IEEE P802.11  
Wireless LANs

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| TGbk June-July 2024 Telecon Minutes | | | | |
| Date: 2024-05-30 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Ali Raissinia | Qualcomm |  |  | alirezar@qti.qualcomm.com |
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Abstract

This document contains TGbk June-July 2024 telecon minutes.

## TGbk –June 4, 2024

* 1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation)**.**
  2. Agenda Doc. IEEE 802.[11-23/642r6](https://mentor.ieee.org/802.11/dcn/24/11-24-0642-06-00bk-tgbk-may-meeting-agenda.pptx)
  3. Review Patent Policy and logistics
     1. Chair reminded participants to register their attendance using imat.
     2. Chair reviewed the IEEE-SA Patent Policy. Chair called for any potentially essential patents, no one stepped forward
     3. Chair reviewed other guidelines for IEEE meetings,
     4. Chair reviewed IEEE antitrust and competition laws, copyright policy slides
     5. Chair reminded IEEE code of ethics and WG participation as an individual professional independent of others
     6. no clarification requested.
     7. Chair reviewed IEEE 802 ground rules and provided reference to IEEE Standards By-Laws- (fair and equitable participation)
     8. No one  brought up any potential patent that might impact the standard
  4. Agenda setting (slide 52)
     + 1. Continue LB286 CR
       2. Review submission pipeline
          1. 11-24-951 LB286 CR Part 1 – Jonathan Segev
          2. 11-24-958 LB286 CR Part 2 – Jonathan Segev
          3. 11-24-966 CID 2056 – Ali Raissinia
       3. Review telecon times
       4. AoB
       5. Agenda approved.
  5. Jonathan Segev presented 11-24-951r0
     1. Title: LB286 CR Part 1
     2. C: On CID 2006, regarding the text in P17L7-19 in 11bk draft 2.0, some clarifications requested.
     3. C: Re CID 2009, there is a separate CID which lead to crossing out the “maximum”. Now this resolution is bringing back the “maximum”.
     4. R: delete this note.
     5. C: cant delete this note because 11az turned this from a regular text in 11ax to a note. So, it should be discussed with larger group.
     6. Group agreed to leave the note with the “maximum”.
     7. C: Re CID 2039, some discussion on whether changing the reference in one place changes it in other places. R: it depends on the word processor the editor is using. Possible when hotlink is used.
     8. C: Re CID 2041, suggest to remove parentheses like “HE (TB) PPDU”.
     9. R: group revisits the table about UL Rx power and fix the content.
     10. C: Re CID 2044, some clarification that the intent is to signal puncturing pattern to an unassociated STA by aggregating the FTM frame containing a 320 MHz subelement in an A-MPDU. Fine with “reject”
     11. **Strawpoll**
         1. **We agree to the resolutions depicted in 11-24-951r1 .**
         2. vote taken verbally
         3. **Results (Y/N/A): 4/0/0**
  6. Jonathan Segev presented 11-24-958r0
     1. Title: LB286 CR Part 2
     2. C: what does it mean to not use more than 1 LO ?
  7. Review pipeline
  8. Review telecon timelines
  9. AOB at 11:59.
  10. Attendance:

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| Breakout | Timestamp | Name | Affiliation |
| TGbk | 6/4 | Berger, Christian | NXP Semiconductors |
| TGbk | 6/4 | Das, Dibakar | Intel Corporation |
| TGbk | 6/4 | feng, Shuling | MediaTek Inc. |
| TGbk | 6/4 | Liu, Wenchao | Self |
| TGbk | 6/4 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbk | 6/4 | Segev, Jonathan | Intel Corporation |
| TGbk | 6/4 | Wu, Tianyu | Apple Inc. |

## TGbk-June 11, 2024

* 1. Jonathan reviewed the policy guidelines for the members and called the meeting to order using submission 11-24/642r8
  2. Suggested members to sign-in to Attendance server (IMAT) with the link shown on the slide
  3. Everyone has asked to register
  4. Called the meeting in order and no one brought up an issue
  5. Reviewed on IEEE SA Copyright policy
  6. Reviewed Participant behaviour in IEEE-SA guidelines
  7. Reviewed IEEE-SA individual process
  8. Reviewed IEEE-SA standard activities
  9. No one  brought up any potential patent that might impact the standard
  10. Agenda setting
      1. Call meeting to order and reviewed all policies
  11. No motions in this meeting
  12. Continue with LB286 resolutions
  13. Review submission pipeline
  14. Review telecons
  15. Approved agenda
  16. Jonathan reviewed submission 0958/r1 in its entirety (total of 13 CIDs) and agreed to make the proposed modifications and be ready for straw polling it next time
  17. Jonathan Completed 24 technical CIDs between the two contributions which Roy needs to keep track of
  18. Jonathan asked if there’s any more contributions to be added to the pipeline and none was identified
  19. Adjourned the meeting
  20. Attendance:

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| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbk | 6/11 | Berger, Christian | NXP Semiconductors |
| TGbk | 6/11 | da Silva, Claudio | Meta Platforms; PWC, LLC |
| TGbk | 6/11 | feng, Shuling | MediaTek Inc. |
| TGbk | 6/11 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbk | 6/11 | Sand, Stephan | German Aerospace Center (DLR) |
| TGbk | 6/11 | Segev, Jonathan | Intel Corporation |
| TGbk | 6/11 | Want, Roy | Google |
| TGbk | 6/11 | Wu, Tianyu | Apple Inc. |
| TGbk | 6/11 | Zhou, Lei | H3C Technologies Co., Limited |

## TGbk –June 25, 2024

* 1. Called to order by TGbk Vice Chair, Ali Raissinia (Qualcomm)**.**
  2. Agenda Doc. IEEE 802.[11-23/642r8](https://mentor.ieee.org/802.11/dcn/24/11-24-0642-08-00bk-tgbk-may-meeting-agenda.pptx)
  3. Review Patent Policy and logistics
     1. Chair reminded participants to register their attendance using imat.
     2. Chair reviewed the IEEE-SA Patent Policy. Chair called for any potentially essential patents, no one stepped forward
     3. Chair reviewed Participant behaviour in IEEE-SA guidelines for anti-trust and competition laws
     4. Chair reviewed IEEE-SA individual process guidelines
     5. Chair reviewed IEEE-SA copyrights policy guidelines
     6. No one  brought up any potential patent that might impact the standard
  4. Agenda setting **(slide 64)**
     + 1. Continue LB286 CR
       2. Review submission pipeline
          1. 11-24-958 LB286 CR Part 2 – Jonathan Segev
          2. 11-24-966 CID 2056 – Ali Raissinia
       3. C: editor asked reviewers to look at editorial comment resolutions with focus on ones that follow a “revised” resolution.
       4. Review telecon times
       5. AoB
       6. Agenda approved.
  5. Straw Poll for 11-24-958
     1. We agree to the resolutions depicted in document 11-24-958r2 for CIDs 2041, 2071, 2075, 2076, 2078, 2112, 2115, 2117, 2118, 2119, 2121, 2127, 2132 (13 CIDs total).
     2. Clarification: Single LO is not needed for < 160 MHz. Two LO is not mentioned for 320 MHz even for 11be. So, no need for 11bk to bring it up.
     3. **Results** (Y/N/A)**:** unanimous

* 1. Ali Raissinia presented 11-24-966r1.
     1. Title: LB286 Comment Resolution for eMLSR related CID 2056
     2. C: Clarify why ICF is still included even when ISTA is aware of TB Ranging. Why TF Poll follows an ICF ?
     3. R: design constraints prevents optimization.
     4. R: some clarification that the sequence only leads to “only one TF Sounding frame” during sounding phase with EMLSR STA(s).
     5. C: note that adding the ICF seems to make TB Ranging even more inefficient.
     6. C: clarification whether we need to add anything to say FTM frames can be sent in link 2 for measurements in link 1.
     7. R: its allowed in baseline 11be.
     8. C: prefer that the measurement exchanges are specified for a given link and the negotiation also happens on same link.
     9. C: seems like we are losing MLO benefits for FTM because we are talking about constraining FTM exchanges on one link but still require ICF.
     10. C: add the figure from discussion covering case of two measurement exchange triples for two EMLSR STAs in same TXOP.
     11. R: agreed
     12. C: suggest to capture other cases ?
     13. R: prefer to keep the text concise.
     14. C: Is there any new behaviour with the text for the “More TF” bit.
     15. R: no. Could be a note or removed.
     16. Author to revise offline.
  2. Roy presents 11-24-1011
     1. Title: LB286 CID Resolution Status for D2.0
     2. Editor asks members if the CID assignments are correct.
  3. Next telecon is on July 9th.
  4. AOB:
     1. Questions on number of meetings during July IEEE meeting, whether there will be draft 2.x before 3.0.
     2. R: maybe sent a week before the Montreal meeting.
  5. Meeting adjourned at 12:03 PM PST.

* 1. Attendance:

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| Breakout | Timestamp | Name | Affiliation |
| TGbk | 6/25 | Berger, Christian | NXP Semiconductors |
| TGbk | 6/25 | Das, Dibakar | Intel Corporation |
| TGbk | 6/25 | feng, Shuling | MediaTek Inc. |
| TGbk | 6/25 | Petrick, Albert | InterDigital, Inc. |
| TGbk | 6/25 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbk | 6/25 | Wang, Qi | Apple Inc. |
| TGbk | 6/25 | Want, Roy | Google |
| TGbk | 6/25 | Zhou, Lei | H3C Technologies Co., Limited |

## TGbk- July 9 2024

* 1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation), at **10:00 PST,**
  2. Agenda Doc. IEEE 802.[11-23/642r9](https://mentor.ieee.org/802.11/dcn/24/11-24-0642-09-00bk-tgbk-may-meeting-agenda.pptx)
  3. Review Patent Policy and logistics
     1. Chair reviewed the IEEE-SA Patent Policy, duty to inform and logistics – no clarifications requested.
     2. Chair called for any potentially essential patents, no one stepped forward.
     3. Chair reminded participants to register their attendance using imat.
     4. Chair reviewed other guidelines for IEEE meetings,
     5. Chair reviewed IEEE antitrust and competition laws, copyright policy slides
     6. Chair reminded IEEE code of ethics and WG participation as an individual professional independent of others. no clarification requested.
     7. Chair reviewed IEEE 802 ground rules and provided reference to IEEE Standards By-Laws- (fair and equitable participation)
     8. Chair reminded members again to log their attendance.
  4. Agenda (slide 71)
     1. Work towards D3.0 LB286 completion and MDR feedback (Roy).
     2. Re-run SP for 11-24-958
     3. Continue LB286 CR per submission queue
     4. Review submission pipeline.
     5. Review telecons times
     6. Agenda approved.
  5. Submission list for the telecon:
* 11-24-966- CID 2056 (Ali Raissinia)
  1. Roy Want presented 11-24-1011 to discuss CR completion status.
     1. Group is on track to complete everything needed to generate D3.0 out of July meeting.
     2. C: Will draft 3.0 include MDR changes ?
     3. R: yes.
  2. Roy Want presented 11-24-0878
     1. No objection from attendees to changes in P4.
     2. Regarding the text in P28.L23 referred in P7, members prefer to delete it since the same info is also covered in clause 11.
     3. Regarding the text in P4611, replace the text with correct version from recent 11az draft.
  3. Rerun SP for 11-24-958
     1. We agree to the resolutions depicted in document 11-24-958r2 for CIDs 2041, 2071, 2075, 2076, 2078, 2112, 2115, 2117, 2118, 2119, 2121, 2127, 2132 (13 CIDs total).
     2. C: clarification that this is not an “approval” since it’s a SP
     3. **Results** (Y/N/A)**:** 7/0/0
  4. Ali Raissinia presented 11-24-966
     1. Title: LB286 Comment Resolution for eMLSR related CID 2056
     2. C: we should allow ranging on both links ?
     3. R: it is allowed. The text is saying measurement is performed on same link as the one that was negotiated for.
     4. C: need to clarify that in the linkID bitmap only one link will be signaled.
  5. Meeting adjourned

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