IEEE P802.11  
Wireless LANs

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| Meeting Minutes January 2020 session | | | | |
| Date: 2020-01-13 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the meeting minutes for TGaz session held during the IEEE 802.11 meeting in Irvine, 01/12/20-01/17/20

1. **TGaz – Monday, January 13th, 2020 – Slot #1 AM2** 
   1. Called to order by TGaz chair, Jonathan Segev (Intel Corporation) at **13:30AM PST**; Vice Chair Assaf Kasher (Qualcomm), Technical Co-Editor, Chao Chun (MediaTek); Technical Co-Editor, Roy Want (Google Inc.); Secretary, Assaf Kasher (Qualcomm).
   2. Agenda Doc. **IEEE 802.11-19/**[**2121r1**](https://mentor.ieee.org/802.11/dcn/19/11-19-2121-01-00az-tgaz-jan-meeting-agenda.pptx) **(in progress)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, and, and logistics – no clarifications requested.
      2. Chair called for any potentially essential patents, no one stepped forward.
      3. Chair reviewed IEEE copyright policy, and anti-trust requirements – no clarification requested.
      4. Chair reviewed IEEE 802 WG participation as an individual professional, in a fair and equitable manner – no clarification requested
      5. Chair reminded all to record their attendance
      6. Recorded Participation requirement
         1. Headcount: ~12 present
   4. Review Agenda
      1. Agenda review and setting: reviewed submissions for the week.
      2. Chair called for any additional feedback and changes to agenda.
         1. None given. Agenda approved by unanimous consent.
   5. Approval of Previous Meeting Minutes:
      1. **Motion 202001-01**Move to approve document 11-19/[1898r0](https://mentor.ieee.org/802.11/dcn/19/11-19-1898-00-00az-ad-hoc-meeting-minutes-nov-2019-session.docx) as TGaz Meeting minutes for the November 2019 ad Hoc
         1. Moved by: Roy Want
         2. Seconded by Assaf Kasher
         3. Results (11/0/0) Motion passes
      2. **Motion 202001-02**Move approve document 11-19/[2005r0](https://mentor.ieee.org/802.11/dcn/19/11-19-2005-00-00az-meeting-minutes-november-2019-session.docx) as TGaz meeting minutes for the Nov. session.
         1. Moved by: Assaf Kasher
         2. Seconded by: Jerome Henry
         3. Approved by unanimous consent, Motion Passes.
   6. Review of comment data sheet [11-20-2017](https://mentor.ieee.org/802.11/dcn/20/11-20-0017-03-00az-lb249-comment.xlsx)-r2 and comment assignment – Roy Want
      1. Comments were assigned.
      2. 122 comments are unassigned.
   7. Ali Raissinia presented [11-20-0121](https://mentor.ieee.org/802.11/dcn/20/11-20-0121-00-00az-resolution-to-lb249-cid3130.docx) Resolution to LB249 CID 3130
      1. Title: Resolution to LB249 CID 3130
      2. **Motion 202001-03**  
         Moved to adopt resolutions depicted by document 11-20-121 for CID 3130
         1. Moved by: Jerome Henry
         2. Second by: Qinghua Li
         3. Results: (Y/N/A) (12/0/0)
   8. Assaf Kasher (Qualcomm)  presented [11-20/0118r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0118-00-00az-lb249-clause-28-cids.docx)
      1. Title:  LB249-Clause-28-CID-Resolution
      2. Summary: This document proposes resolutions to LB249 comments on clause 28.  The base is TGaz D2.0
      3. The CIDs resolved are: 3079, 3080, 3208, 3081, 3210, 3082, 3089, 3090, 3091, 3092, 3093
         1. 3079:  Typos in resolution fixed will be uploaded in revision 1.
         2. 3080: C: Clarify why the original text was there. R. This was just a mistake in the original instruction.
         3. 3210:   
            C; Why is this being removed   
            R. The way it is written there is only one way to do this (see table), and we may need more flexibility
      4. Revision 1 was uploaded for motioning
      5. **Motion 20201-04:**Move to adopt the resolutions depicted by document 11-20-0118r1 for CIDs 3079, 3080, 3208, 3081, 3210, 3082, 3089, 3090, 3091, 3092 and 3093, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
         1. Moved: Assaf Kasher
         2. Second: Roy Want
         3. Results (Y/N/A): 12/0/0
         4. Motion passes.
   9. Chair: Reminder to do attendance
   10. Proposal to have an early review discussion of [11-20-137](https://mentor.ieee.org/802.11/dcn/20/11-20-0137-00-00az-lb249-clause-11-22-6-4-2-cids.docx) and change order of pipeline
       1. No – objections
   11. Assaf Kasher Presented the first CID of 11-20-137- CID3905
   12. Need to define what a Secure Ranging Session really means
       1. C. The content of the measurement results are protected by PMF   R. you only need MAC not PHY level protection for this.
       2. C. Can't we set up a non protected session. R. The negotiated session has to be protected or the measurements are not.
       3. C. Action; Consider clarification for the various terms in the text  e.g.  11.22.6.3.1
       4. C. Moving forward: Bring a submission that suggests a resolution.
   13. At recess at 3.25pm.
2. **TGaz – Tuesday, January 14th, 2020 – Slot #2 PM2** 
   1. Called to order by TGaz chair, Jonathan Segev (Intel Corporation) at **16:00 PST**; Vice Chair Assaf Kasher (Qualcomm), Technical Co-Editor, Chao Chun (MediaTek); Technical Co-Editor, Roy Want (Google Inc.); Secretary, Assaf Kasher (Qualcomm).
   2. Agenda Doc. **IEEE 802.11-19/**[**2121r3**](https://mentor.ieee.org/802.11/dcn/19/11-19-2121-03-00az-tgaz-jan-meeting-agenda.pptx) **(in progress)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, and, and logistics – no clarifications requested.
      2. Chair called for any potentially essential patents, no one stepped forward.
      3. Chair reviewed IEEE copyright policy, and anti-trust requirements – no clarification requested.
      4. Chair reviewed IEEE 802 WG participation as an individual professional, in a fair and equitable manner – no clarification requested
      5. Chair reminded all to record their attendance
      6. Recorded Participation requirement
         1. Headcount: ~18 present
   4. Review Agenda
      1. Agenda review and setting: reviewed submissions for the slot.
      2. Chair called for any additional feedback and changes to agenda.
         1. None given. Agenda approved by unanimous consent.
   5. Assaf Kasher presented [11-20-137](https://mentor.ieee.org/802.11/dcn/20/11-20-0137-01-00az-lb249-clause-11-22-6-4-2-cids.docx)
      1. one CID removed to 11-20/0161r0 document)
      2. Title:  LB249-Clause-11-24-6-4-2-CID-Resolution
      3. This document proposes resolutions to LB249 comments on clause 11.22.6.4.2.  The base is TGaz D2.0. The list of CIDs resolved: 3067, 3068, 3181, 3186, 3938.
      4. No comments on proposed resolution
      5. One edit in session and uploaded to Mentor as revision 2.
      6. Question on edits:
      7. C. Is the editing for 3938 correct? Why not leave it as is?
      8. R. The original wording is not correct.
      9. C. Suggest: :Replace "Use of the ..."  to "Setup of the Secure EDMG Measurement Exchange is described in...."
      10. R. Accepted: uploaded as revision 3.
      11. **Motion 202001-05**:  
          Move to adopt the resolutions depicted by document 11-20-0137r3 for CIDs 3067, 3068, 3181, 3186 and 3938,  instruct the technical editor to incorporate it in the P802.11az draft amendment text and empower the editor to perform editorial changes.
      12. Moved: Assaf Kasher
      13. Second: Ganesh Venkatesan
      14. Results (Y/N/A): 12/0/0 **Motion passes**
   6. Ganesh Venkatesan Presented [11-10-126](https://mentor.ieee.org/802.11/dcn/20/11-20-0126-02-00az-lb249-comment-resolutions-part-1.docx)
      1. Title: LB249 Comment Resolutions - Part 1
      2. CID 3163 – will be revisited – needs more work
      3. CID 3164 – Revise
      4. CID 3561 – will be revisited related to 3163
      5. CID 3564 – same issue
      6. CID 3165 – Revise
      7. CID 3167 – Revise – text modified after a long discussion
      8. CID 3578 – need to also
      9. CID 3583 – revise as 3572
      10. CID 3439 – Needs further discussion – discussion on whether bandwidth wider than the operating bandwidth of the BSS is allowed in an FTM session and whether it is the responsibility of the RSTA to enforce that.
      11. CID 3579 – Revise
3. **TGaz – Wednesday, January 15th, 2020 – Slot #3 PM1** 
   1. Called to order by TGaz chair, Jonathan Segev (Intel Corporation) at **13:30 PST**; Vice Chair Assaf Kasher (Qualcomm), Technical Co-Editor, Chao Chun (MediaTek); Technical Co-Editor, Roy Want (Google Inc.); Secretary, Assaf Kasher (Qualcomm).
   2. Agenda Doc. **IEEE 802.11-19/**[**2121r5**](https://mentor.ieee.org/802.11/dcn/19/11-19-2121-05-00az-tgaz-jan-meeting-agenda.pptx) **(in progress)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, and, and logistics – no clarifications requested.
      2. Chair called for any potentially essential patents, no one stepped forward.
      3. Chair reviewed IEEE copyright policy, and anti-trust requirements – no clarification requested.
      4. Chair reviewed IEEE 802 WG participation as an individual professional, in a fair and equitable manner – no clarification requested
      5. Chair reminded all to record their attendance
      6. Recorded Participation requirement
         1. Headcount: ~18 present
   4. Review Agenda
      1. Agenda review and setting: reviewed submissions for the slot.
      2. Chair called for any additional feedback and changes to agenda.
         1. None given. Agenda approved by unanimous consent.
   5. Ganesh Venkatesan presented [11-20-0126](https://mentor.ieee.org/802.11/dcn/20/11-20-0126-01-00az-lb249-comment-resolutions-part-1.docx)
      1. Reviewing again CID 3163 resolution
      2. CID 3164 Revise: no spec changes – text was deleted
      3. CID 3563 Revise: no spec changes – text was deleted
      4. CID 3564 Revise: no spec changes – text was deleted
      5. CID 3577 Revise: revisiting from previous slot – modified text was accepted by the group
      6. CID 3578 Will be revisited
      7. CID 3583 Duplicate of 3572, Revise
      8. CID 3439 Revise
      9. CID 3579 Will be revisited.
      10. **Motion 202001-06**Move to adopt the resolutions depicted by document 11-20-0126r2 for CIDs 3163, 3164, 3561, 3563, 3564, 3165, 3166, 3167, 3565, 3572, 3577, 3583 and 3439 instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      11. Moved By: Ganesh Venkatesan
      12. Seconded By: Assaf Kasher
      13. Results (Y/N/A)
   6. Christian Berger Presented [11-20-0154](https://mentor.ieee.org/802.11/dcn/20/11-20-0154-01-00az-comment-resolution-lb249-section-11-22-6-4-3.docx)
      1. Title 11az LB249 Comment Resolution Section 11.22.6.4.3
      2. CID 3664 Accept
      3. CID 3985 Reject
      4. CID 3115 Will be revisited
      5. CID 3242 Discussion on whether unassociated STAs can be mixed with associates STAs on the same availability window - there was no consensus on the resolution.
      6. CID 3669 Accept
      7. CID 3672 Revise
      8. CID 3675 Revise
      9. CID 3688 Revise
      10. CID 3689 Revise: after some discussion it is agreed to instruct the editor to replace all occurrences of NDPA width “Ranging NDP announcement”.
4. **TGaz – Thursday, January 16th, 2020 – Slot #4 AM1** 
   1. Called to order by TGaz chair, Jonathan Segev (Intel Corporation) at **13:30 PST**; Vice Chair Assaf Kasher (Qualcomm), Technical Co-Editor, Chao Chun (MediaTek); Technical Co-Editor, Roy Want (Google Inc.); Secretary, Assaf Kasher (Qualcomm).
   2. Agenda Doc. **IEEE 802.11-19/**[**2121r6**](https://mentor.ieee.org/802.11/dcn/19/11-19-2121-06-00az-tgaz-jan-meeting-agenda.pptx) **(in progress)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, and, and logistics – no clarifications requested.
      2. Chair called for any potentially essential patents, no one stepped forward.
      3. Chair reviewed IEEE copyright policy, and anti-trust requirements – no clarification requested.
      4. Chair reviewed IEEE 802 WG participation as an individual professional, in a fair and equitable manner – no clarification requested
      5. Chair reminded all to record their attendance
      6. Recorded Participation requirement
         1. Headcount: ~6 present
   4. Review Agenda
      1. Agenda review and setting: reviewed submissions for the slot.
      2. Chair called for any additional feedback and changes to agenda.
         1. None given. Agenda approved by unanimous consent.
   5. Assaf Kasher (Qualcomm) presented document [11-20/167r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0167-01-00az-lb240-clause-12-2-11-cids.docx)
      1. Title: LB249-Clause-12-2-11-CIDs
      2. Summary: This document proposes resolutions to LB249 comments on subclause 12.2.11. The base is TGaz D2.0. The CIDs are 3823, 3832, 3936
      3. C. CID3823 was this issue brought up in an earlier comment
      4. R Yes this was voted on before. So, can be resolved by editors without a new vote.  
         However a new version of the edited text was provided and uploaded as r1.
      5. **Motion 202001-07**:  
         Move to adopt the resolutions depicted by document 11-20-0167r1 for CIDs 3823, 3832 and 3936, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      6. Moved: Assaf Kasher
      7. Second: Roy Want
      8. Results (Y/N/A): 5/0/1 Motion passes
   6. Ganesh Venkatesan presented [11-20-0183](https://mentor.ieee.org/802.11/dcn/20/11-20-0183-01-00az-resolutions-for-a-few-lb249-cids-part-2.docx)
      1. Title: resolution for a few lb249 cids part 2
      2. CID 3580: Revise
      3. CID 3581: Revise
      4. CID 3585: Revise
      5. CID 3169: Revise
      6. CID 3568: Accept
      7. CID 3314: Accept
      8. CID 3483: Accept
      9. CID 3915: Accept
      10. CID 3984: Accept
      11. CID 3425: Reject
      12. CID 3425: Reject
      13. CID 3853: Accept
      14. CID 3032: Reject
      15. CID 3436: Reject
      16. CID 3134: Will be revisited
      17. CID 3437: Revise
      18. CID 3438: Reject
      19. CID 3611: will be revisited – tied to 3134
      20. CID 3440:
      21. **Motion 202001-08**Move to adopt the resolutions depicted by document 11-20-0183r1 for CIDs 3580, 3581, 3585, 3169, 3586, 3314, 3483, 3915, 3984, 3425, 3853, 3032, 3033, 3436, 3437 and 3438, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      22. Moved: Ganesh Venkatesan
      23. Seconded: Christian Berger
      24. Results: (Y/N/A) approved by unanimous consent
5. **TGaz – Thursday, January 16th, 2020 – Slot #5 PM1** 
   1. Called to order by TGaz chair, Jonathan Segev (Intel Corporation) at **13:30 PST**; Vice Chair Assaf Kasher (Qualcomm), Technical Co-Editor, Chao Chun (MediaTek); Technical Co-Editor, Roy Want (Google Inc.); Secretary, Assaf Kasher (Qualcomm).
   2. Agenda Doc. **IEEE 802.11-19/**[**2121r7**](https://mentor.ieee.org/802.11/dcn/19/11-19-2121-07-00az-tgaz-jan-meeting-agenda.pptx) **(in progress)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, and, and logistics – no clarifications requested.
      2. Chair called for any potentially essential patents, no one stepped forward.
      3. Chair reviewed IEEE copyright policy, and anti-trust requirements – no clarification requested.
      4. Chair reviewed IEEE 802 WG participation as an individual professional, in a fair and equitable manner – no clarification requested
      5. Chair reminded all to record their attendance
      6. Recorded Participation requirement
         1. Headcount: ~6 present
   4. Review Agenda
      1. Agenda review and setting: reviewed submissions for the slot.
      2. Chair called for any additional feedback and changes to agenda.
         1. None given. Agenda approved by unanimous consent.
   5. Approval of ad-hoc meeting
      1. **Motion 202001-09**Authorize TGaz to hold a 3-day ad-hoc meeting on Mar. 9-11th 2020 in the SF bay area Ca., for the purpose of comment resolution.
      2. Move: Christian Berger
      3. Second: Ganesh Venkatesan
      4. Results (Y/N/A): 9/1/0
   6. Ganesh Venkatesan presented [11-20-198](https://mentor.ieee.org/802.11/dcn/20/11-20-0198-02-00az-resolutions-to-a-few-lb249-comments-part-3.docx)
      1. Title: resolution to a few lb249 comments part 3
      2. **Motion 202001-10**  
         Move to adopt the resolutions depicted by document 11-20-0198r2 for CIDs 3440, 3441, 3490, 3034, 3035, 3231 and 3840, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      3. Moved by: Ganesh Venkatesan
      4. Seconded by: Jerome Henry
      5. Results (Y/N/A) approved by unanimous consent. **Motion Passes**
   7. Christian Berger continues presentation of [11-20-0154](https://mentor.ieee.org/802.11/dcn/20/11-20-0154-02-00az-comment-resolution-lb249-section-11-22-6-4-3.docx)
      1. Title: comment-resolution-lb249-section 11.22.6.4.3
      2. CID 3692: Revised
      3. CID 3693: Revised: figure legend clarified
      4. CID 3695: Accepted
      5. CID 3697: Revised
      6. CID 3698: Revised
      7. CID 3699: Revised
      8. CID 3470: Reject
      9. **Motion 202001-11**Move to adopt the resolutions depicted by document 11-20-0154r2 for CIDs 3664, 3985, 3669, 3672, 3675, 3688, 3689, 3692, 3693, 3695, 3697, 3698, 3699 and 3470 instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      10. Moved by: Jerome Henry
      11. Second by: Ganesh Venkatesan
      12. **Results: (Y/N/A) approved by unanimous consent – motion passes**
   8. Discussion of timelines
      1. Commit to a timeline of recirc out of the May meeting
      2. Motion: we commit to the TGaz timelines as depicted in slide 57 f submission 11-29
      3. Moved by: Jerome Henry
      4. Seconded by: Ganesh Venkatesan
      5. Results: approved by unanimous consent: Motion Passed.
   9. Teleconference schedule
      1. Approve telecon times as in slide 59 of 11-20-2121r7
      2. Chair adjourned the meeting.

**References:**