IEEE P802.11  
Wireless LANs

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| TGaz February-March 2022 Telecon Minutes | | | | |
| Date: 2021-09-13 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Assaf Kasher | Qualcomm |  |  | akasher@qti.qualcomm.com |
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Abstract

This document contains minutes for the TGaz February March telecon minutes.

1. **TGaz – February 3rdth , 2022** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary Assaf Kasher (Qualcomm), at **09:00 PST,**
   2. Agenda Doc. [**IEEE 802.11-21/1945r6**](https://mentor.ieee.org/802.11/dcn/21/11-21-1945-01-00az-tgaz-january-meeting-agenda-and-following-telecons.pptx)  **(in progress - slide 24)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings 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, asked if any clarifications are requested, no one stepped forward.
      5. Chair reviewed IEEE copyright policy, – no clarification requested
      6. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      7. Chair reviewed IEEE 802 ground rules
      8. Recorded Participation requirement  
         Headcount: ~10 present
   4. Agenda
      1. 11-22-198 Draft Status and comment resolution progress
      2. Review SAB CR submissions
         1. 11-22-148 Comment Resolution SA1 -Various part 2 (Christian Berger) – 35 minutes
         2. 11-22-149 Comment Resolution SA1 -Various part 2 (Christian Berger) – 25 minutes
         3. 11-22-259 Some SAB1 CR – v2 – (Assaf Kasher) – as time permits.
      3. Review Submission pipeline
      4. Agenda Approved
   5. Roy Want presented 11-22-198
      1. Draft Status and comment resolution status
   6. Christian Berger presented 11-22-149
      1. CID 7052 Revised
      2. CID 7279 Accept
      3. CID 7281 Accept
      4. Motion (20202-01)  
         Move to adopt the resolutions depicted by document 11-22-149r1 7052, 7279 and 7281 (total of 3), instruct the technical editor to incorporate in in the P802.11az drat and grant the editor editorial license  
         Moved By: Christian Berger  
         Seconded by: Ali Raissinia  
         Results (Y/N/A): Approved by Unanimous Consent.
   7. Christian Berger presented 11-22-148
      1. CID 7087 – revise – to be reviewed further
   8. Assaf Kasher
      1. To be continued.
   9. Review further telecon.
      1. Another call will be added in the week after the march plenary
   10. AOB
   11. Adjourned at 11:00 PST
   12. Attendance:

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| --- | --- | --- | --- |
| TGaz | 2/3 | Bahn, Christy | IEEE STAFF |
| TGaz | 2/3 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 2/3 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 2/3 | Levesque, Chris | Qorvo |
| TGaz | 2/3 | Lindskog, Erik | SAMSUNG |
| TGaz | 2/3 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 2/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGaz | 2/3 | Segev, Jonathan | Intel Corporation |
| TGaz | 2/3 | Stanley, Dorothy | Hewlett Packard Enterprise |
| TGaz | 2/3 | Want, Roy | Google |
| TGaz | 2/3 | Wei, Dong | NXP Semiconductors |
| TGaz | 2/3 | Yee, Peter | NSA-CSD |

1. **TGaz – February 9th , 2022** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary Assaf Kasher (Qualcomm), at **09:00 PST,**
   2. Agenda Doc. [**IEEE 802.11-21/1945r8**](https://mentor.ieee.org/802.11/dcn/21/11-21-1945-08-00az-tgaz-january-meeting-agenda-and-following-telecons.pptx)  **(in progress - slide 24)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings 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, asked if any clarifications are requested, no one stepped forward.
      5. Chair reviewed IEEE copyright policy, – no clarification requested
      6. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      7. Chair reviewed IEEE 802 ground rules
      8. Recorded Participation requirement  
         Headcount: ~10 present
   4. Agenda
      1. Draft Status
      2. Submissions
         1. 11-22-148 Comment Resolutions SA1 Various Part 2 (Christian Berger)
         2. 11-22-259 Some-SAB1-CR-v2 (Assaf Kasher)
         3. 11-22-265 Comment Resolution SA1 Various Part 4 (Christian Berger)
         4. 11-22-297 CID 7036
      3. Review Submission pipeline
      4. Review telecon times
      5. Agenda Approved
   5. Christian Berger 11-22-148
      1. Youhan Kim explained why is singled out and signal extension
         1. Motion 202202-03  
            Move to adopt the resolutions depicted by document 11-22-148r2 for CIDs 7075 and (total of 2 CIDs), instruct the technical editor to incorporate in in the P802.11az drat and grant the editor editorial license  
             Moved by Christian Berger  
            Seconded by Youhan Kim  
            Results Approved by Unanimous Consent.
   6. Assaf Kasher
      1. Motion 202202-02
      2. Move to adopt the resolutions depicted by document 11-22-259r1 for CIDs 7097, 7101, 7102, 7107, 7108, 7109, 7112, 7119, 7120 and 7121 (total of 10 CIDs), instruct the technical editor to incorporate in in the P802.11az drat and grant the editor editorial license Moved by Assaf Kasher  
         Seconded by Ali Raissinia  
         Results (Y/N/A) : Approved by Unanimous Consent.
   7. Christian Berger presented 11-22-265
      1. CID 7077 – several changes to DOPPLER settings in clause 11
      2. Motion 202202-04  
         Move to adopt the resolutions depicted by document 11-22-265r1 for CIDs 7077 and (total of 1 CID), instruct the technical editor to incorporate in in the P802.11az drat and grant the editor editorial license  
         moved by Christian Berger  
         Seconded by: Ali Raissinia  
         Results: Approved by Unanimous Consent
   8. Ali Raissinia presented 11-22-297
      1. CID 7036 – format and bandwidth ranking
      2. Motion 202202-05  
         Move to adopt the resolutions depicted by document 11-22-297r0 for CIDs 7077 and (total of 2 CIDs), instruct the technical editor to incorporate in in the P802.11az drat and grant the editor editorial license  
         moved by Ali Raissinia  
         Seconded by: Assaf Kasher  
         Results: Approved by Unanimous Consent
   9. Review Submission pipeline: empty
   10. AOB?
   11. Adjourned at 11:44PST
   12. Attendance:

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| TGaz | 2/9 | Berger, Christian | NXP Semiconductors |
| TGaz | 2/9 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 2/9 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 2/9 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 2/9 | Levesque, Chris | Qorvo |
| TGaz | 2/9 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 2/9 | Segev, Jonathan | Intel Corporation |
| TGaz | 2/9 | Thompson, Tom | IEEE STAFF |
| TGaz | 2/9 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 2/9 | Wei, Dong | NXP Semiconductors |
| TGaz | 2/9 | Wu, Tianyu | Apple, Inc. |

1. **TGaz – February 16th , 2022** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary Assaf Kasher (Qualcomm), at **10:00 PST,**
   2. Agenda Doc. [**IEEE 802.11-21/1945r10**](https://mentor.ieee.org/802.11/dcn/21/11-21-1945-10-00az-tgaz-january-meeting-agenda-and-following-telecons.pptx)  **(in progress - slide 24)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings 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, asked if any clarifications are requested, no one stepped forward.
      5. Chair reviewed IEEE copyright policy, – no clarification requested
      6. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      7. Chair reviewed IEEE 802 ground rules
      8. Recorded Participation requirement  
         Headcount: ~12 present
   4. Agenda:
      1. Group Comment resolution 11-22-102 – as time permits
      2. Agenda Approve
   5. Chair reviewed 11-22-102
      1. CID 7077 – already resolved
      2. CID 7078 – already resolved
      3. CID 7079 – resolved as 7101
      4. CID 7081 – revised already resolved
      5. CID 7082 – need to reach out to comment – assigned to Christian
      6. CID 7083 – duplicate of 7082 – assigned to Christian
      7. CID 7084 – Reject
      8. CID 7085 Revise
      9. CID 7088 Accept
      10. CID 7089 Accept
   6. Submission pipeline – empty
   7. Next meeting – Feb 23rd
   8. AOB?
   9. Adjourned at 12:00 PDT
   10. Attendance:

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| TGaz | 2/16 | Bahn, Christy | IEEE STAFF |
| TGaz | 2/16 | Berger, Christian | NXP Semiconductors |
| TGaz | 2/16 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 2/16 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 2/16 | Levesque, Chris | Qorvo |
| TGaz | 2/16 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 2/16 | Segev, Jonathan | Intel Corporation |
| TGaz | 2/16 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 2/16 | Wang, Qi | Apple, Inc. |
| TGaz | 2/16 | Want, Roy | Google |
| TGaz | 2/16 | Wei, Dong | NXP Semiconductors |
| TGaz | 2/16 | Wu, Tianyu | Apple, Inc. |

1. **TGaz – February 23rd , 2022** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary Assaf Kasher (Qualcomm), at **09:00 PST,**
   2. Agenda Doc. [**IEEE 802.11-21/1945r13**](https://mentor.ieee.org/802.11/dcn/21/11-21-1945-13-00az-tgaz-january-meeting-agenda-and-following-telecons.pptx)  **(in progress - slide 66)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings 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, asked if any clarifications are requested, no one stepped forward.
      5. Chair reviewed IEEE copyright policy, – no clarification requested
      6. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      7. Chair reviewed IEEE 802 ground rules
      8. Recorded Participation requirement  
         Headcount: ~10 present
   4. Agenda
      1. Review next Draft Status 11-22-368
      2. 11-22-102 TGaz SAB 1 Group CR/ 11-22-366 TGaz SA1 Group CR part 3 – as time part
      3. Review submission pipeline
      4. Review telecon times.
   5. Roy Want reviewed 11-22-368
   6. Chair (Jonathan Segev) Presented 11-22-366
      1. CID 7079 – Revise
      2. CID 7081- Revise
      3. CID 7084- Reject
      4. CID 7085 – Revise
      5. CID 7088 – Revise
      6. CID 7089 – Revise
      7. CID 7090 – Revise
      8. CID 7091 – Revise
      9. CID 7092 – Revise
      10. CID 7093 – Revise
      11. Motion (202202-06):  
          Move to adopt the resolutions depicted by document 11-22-366r1 for CIDs 7079, 7081, 7084, 7085, 7088, 7089, 7090, 7091, 7092, 7093 (total of 10), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
          Moved by: Christian Berger  
          Seconded by: Ali Raissinia  
          Results: Approved by Unanimous Consent
   7. Group comment resolution
      1. CID 7094: Accept
      2. CID 7095: Accept (already resolved in D4.1)
   8. Submission pipeline – empty
   9. Next telecons
      1. Adding telecons on Mar 16th Mar 23rd
   10. AOB
   11. Adjourned at 11:59 PST
   12. Attendance:

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| TGaz | 2/23 | Berger, Christian | NXP Semiconductors |
| TGaz | 2/23 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 2/23 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 2/23 | Levesque, Chris | Qorvo |
| TGaz | 2/23 | Lindskog, Erik | SAMSUNG |
| TGaz | 2/23 | NANDAGOPALAN, SAI SHANKAR | Synaptics |
| TGaz | 2/23 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 2/23 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGaz | 2/23 | Segev, Jonathan | Intel Corporation |
| TGaz | 2/23 | Wang, Qi | Apple, Inc. |
| TGaz | 2/23 | Want, Roy | Google |
| TGaz | 2/23 | Wei, Dong | NXP Semiconductors |
| TGaz | 2/23 | Wu, Tianyu | Apple, Inc. |

1. **TGaz – March 2nd , 2022** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary Assaf Kasher (Qualcomm), at **10:00 PST,**
   2. Agenda Doc. [**IEEE 802.11-21/1945r14**](https://mentor.ieee.org/802.11/dcn/21/11-21-1945-14-00az-tgaz-january-meeting-agenda-and-following-telecons.pptx)  **(in progress - slide 66)**
   3. Review Patent Policy and logistics
      1. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings 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, asked if any clarifications are requested, no one stepped forward.
      5. Chair reviewed IEEE copyright policy, – no clarification requested
      6. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      7. Chair reviewed IEEE 802 ground rules
      8. Recorded Participation requirement  
         Headcount: ~9 present
   4. Agenda
      1. Consider adoption of 11-22-368 Resolution or 100 editorial Comments
      2. Submission
         1. 11-22-0357 Comment resolution SA1 Various Part 5 (Christian 25m)
         2. 11-22-402 Some SAB1 CR v3 Assaf Kasher
         3. 11-22-102 – SAB1 Group CR 11-22-400
      3. Review Submission pipeline
      4. Review Telecon Time.
      5. Agenda Approved
   5. Roy Want reviewed 11-22-0368
      1. Motion 202203-01  
         Move to adopt the resolutions depicted by document 11-22-368r0 a total of 100 Editorial CIDs, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved by Roy Want  
         Second by Assaf Kasher  
         Results : Approved by Unanimous Consent
   6. Christian Berger Reviewed 11-22-0357
      1. CID 7082, 7083- choice made for single stream pilot HE-LTF mode
      2. Motion 202203-02  
         Move to adopt the resolutions depicted by document 11-22-357r0 for CIDs 7082, 7083 (total of 2), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved by Christian Berger  
         Seconded by Ali Raissinia  
         Results: Approved by Unanimous Consent
   7. Assaf Kasher presented 11-2-0402
      1. 7114 agreement
      2. 7122 for further offline discussion
      3. CID 7083 already motioned
      4. CIDs 7119, 7120 and 7121 already motioned as part of 11-22-259.
      5. Submission 11-21-1007 describes the use of transmission streams between the pre-HE PPDU part and the HE part.
      6. There are two options which were proposed in the discussion, seems none made it to the adopted text which suggest the transmission during the pre-HE part uses the lowest number of transmission streams of HE part or higher.
   8. Submission Pipeline: empty
   9. AOB?
   10. Attendance:

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| TGaz | 3/2 | Haider, Zeeshan | British Sky Broadcasting Ltd |
| TGaz | 3/2 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 3/2 | Lindskog, Erik | SAMSUNG |
| TGaz | 3/2 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 3/2 | Segev, Jonathan | Intel Corporation |
| TGaz | 3/2 | Thompson, Tom | IEEE STAFF |
| TGaz | 3/2 | Want, Roy | Google |
| TGaz | 3/2 | Wei, Dong | NXP Semiconductors |
| TGaz | 3/2 | Wu, Tianyu | Apple, Inc. |