IEEE P802.11  
Wireless LANs

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| TGaz-November-plenary-minutes | | | | |
| Date: 2020-11-03 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Assaf Kasher | Qualcomm |  |  | akasher@qti.qualcomm.com |
|  |  |  |  |  |

Abstract

This document contains telecon minutes for the TGaz telecons in November TGaz.

1. **TGaz – November 3rd 2020** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:15am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r3 (in progress - slide 31)**
   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: ~40 present

* 1. Agenda Setting:
     1. Agenda setting for the week (5 min).
        1. Review LB249 CR progress. (10min) – Roy Want
        2. Consider motions that met SP threshold from earlier meetings.
        3. Review CR submissions. – as time permits
        4. Consider LB 249 ballot completion and recirculation.
        5. Review and setup telecon plan – 5 min special order
        6. Review progress made during the week – 5 min special order
        7. Review program timelines – 10min special order
        8. Consider readiness for recirculation ballot out of the Nov. meeting.
     2. AoB
  2. Submissions Awaiting Motions from Telecon
     1. **Motion (**202011-01):  
        Move to approve document 11-20-1482r0 as TGaz meeting minutes for TGaz September IEEE Electronic meeting week.  
        Moved by: Assaf Kasher  
        Seconded by: Roy Want  
        Results (Y/N/A): 30/0/5
     2. **Motion** (202011-02):
     3. Move to adopt the resolution depicted by document 11-20-1654r1 for CIDs 3850, 3851, 3852 ( 3 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Qi Wang   
        Second: Roy Want  
        Results (Y/N/A): approved by Unanimous Consent
     4. **Motion** (202011-03):  
        Move to adopt the resolution depicted by document 11-20-1683r3 for CIDs 3006, 3007, 3899, 3990, 4012, 3264, 3265, 3317, 3320, 3321, 3322, 3455, 3456 (13 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Assaf Kasher   
        Second: Erik Lindskog  
        Results (Y/N/A): approved by Unanimous Consent
     5. **Motion** (202011-04):  
        Move to adopt the CID resolution for CIDs 3772 and 3882 (2CIDs total), depicted by document 11-20-1684r3 and instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Christian Berger  
        Second: Ali Raissinia  
        Results (Y/N/A): approved by Unanimous Consent
     6. **Motion** (202011-05):  
        Move to adopt the resolution depicted by document 11-20-1687r3 for CIDs 3204, 3639, 3937, 3534, 3170, 3634, 3773, 3368, 3870, 3905, 3209 ( 11 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Assaf Kasher  
        Second: Nehru Bhandaru  
        Results (Y/N/A): approved by Unanimous Consent
     7. **Motion** (202011-06):  
        Move to adopt the resolution depicted by document 11-20-1717r1 for CIDs 3289, 3272 and 3306 (3 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Erik Lindskog  
        Second: Ali Raissinia  
        Results (Y/N/A): approved by Unanimous Consent
     8. **Motion** (202011-07):  
        Move to adopt the resolution depicted by document 11-20-1718r1 for CIDs 4013, 4015, 4016, 4017 (4 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.   
        Moved: Christian Berger  
        Second: Erik Lindskog  
        Results (Y/N/A): approved by Unanimous Consent
  3. Roy Want presented 11-20-1319 comment resolution progress
     1. 84 CIDs left to resolve 62T, 2 Gen 20 E
  4. Roy Want presented 11-20-1745
     1. 20 editorial CIDs
     2. **Motion**: 202011-08  
        Move to adopt the resolution depicted by document 11-20-1745r0 for CIDs 3049, 3069, 3073, 3075, 3096, 3205, 3297, 3298, 3486, 3487, 3542, 3769, 3781, 3953 (14 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
        Moved: Roy Want  
        Second: Ali Raissinia  
        **Results**: approved by Unanimous Consent
  5. Jonathan Segev presented11-20-1719
     1. Title: LB249 Comment Resolution
     2. CID 3375 – Accept RFM
     3. CID 3885 – Reject RFM
     4. CID 3995 – Accept RFM
     5. CID 4008 – Revised RFM
     6. CID 3276 – Revise RFM
     7. CID 3282 – Reject (withdrawn) RFM
     8. CID 3411- Reject - RFM
     9. CID 3412 – Revise – RFM
     10. CID 3424 – Reject – RFM
     11. CID 3921 – Reject – RFM
     12. CID 3122 – Reject (withdrawn)– RFM
     13. CID 3128 – Re assign to Ali Raissinia – removed from the submission
     14. CID 3134 – Reject – RFM
     15. CID 3442 – Reject – RFM
     16. CID 3578 – Revise
     17. CID 3579 – RFM
     18. CID 3828 – Revise:
  6. Recess at 12:30 PDT
  7. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/3 | Abdelaal, Rana | Broadcom Corporation |
| TGaz | 11/3 | Adhikari, Shubhodeep | Broadcom Corporation |
| TGaz | 11/3 | Agarwal, Peyush | Broadcom Corporation |
| TGaz | 11/3 | Akhmetov, Dmitry | Intel Corporation |
| TGaz | 11/3 | Aldana, Carlos | Facebook |
| TGaz | 11/3 | Alexander, Danny | Intel Corporation |
| TGaz | 11/3 | Ambede, Abhishek | Ericsson AB |
| TGaz | 11/3 | An, Song-Haur | INDEPENDENT |
| TGaz | 11/3 | ANANDAKUMAR, KRISHNASAMY | Maxlinear Inc |
| TGaz | 11/3 | Andersdotter, Amelia | None - Self-funded |
| TGaz | 11/3 | Aygul, Mehmet | Istanbul Medipol University; Vestel |
| TGaz | 11/3 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/3 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/3 | Baik, Eugene | Qualcomm Incorporated |
| TGaz | 11/3 | Banerjea, Raja | Qualcomm Incorporated |
| TGaz | 11/3 | Bankov, Dmitry | IITP RAS |
| TGaz | 11/3 | baron, stephane | Canon Research Centre France |
| TGaz | 11/3 | Beg, Chris | Cognitive Systems Corp. |
| TGaz | 11/3 | Bei, Jianwei | NXP Semiconductors |
| TGaz | 11/3 | Berens, Friedbert | FBConsulting Sarl |
| TGaz | 11/3 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/3 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/3 | Bluschke, Andreas | Signify |
| TGaz | 11/3 | Boldy, David | Broadcom Corporation |
| TGaz | 11/3 | Bredewoud, Albert | Broadcom Corporation |
| TGaz | 11/3 | Cao, Rui | NXP Semiconductors |
| TGaz | 11/3 | Cavalcanti, Dave | Intel Corporation |
| TGaz | 11/3 | Cepni, Gurkan | Apple, Inc. |
| TGaz | 11/3 | CHAN, YEE | Facebook |
| TGaz | 11/3 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/3 | Cheng, Paul | MediaTek Inc. |
| TGaz | 11/3 | CHERIAN, GEORGE | Qualcomm Incorporated |
| TGaz | 11/3 | Cordeiro, Carlos | Intel Corporation |
| TGaz | 11/3 | Das, Dibakar | Intel Corporation |
| TGaz | 11/3 | Dauphinee, Leonard | MaxLinear Corp |
| TGaz | 11/3 | de Vegt, Rolf | Qualcomm Incorporated |
| TGaz | 11/3 | Di Taranto, Rocco | Ericsson AB |
| TGaz | 11/3 | DOAN, DUNG | Qualcomm Incorporated |
| TGaz | 11/3 | Dogukan, Ali | Vestel |
| TGaz | 11/3 | Doostnejad, Roya | Intel Corporation |
| TGaz | 11/3 | Edgar, Richard | Imagination Technologies Ltd. |
| TGaz | 11/3 | Eitan, Alecsander | Qualcomm Incorporated |
| TGaz | 11/3 | ElSherif, Ahmed | Qualcomm Incorporated |
| TGaz | 11/3 | Erceg, Vinko | Broadcom Corporation |
| TGaz | 11/3 | Erell, Assaf | Vayyar Imaging Ltd. |
| TGaz | 11/3 | feng, Shuling | MediaTek Inc. |
| TGaz | 11/3 | Gao, Zhigang | Cisco Systems, Inc. |
| TGaz | 11/3 | Gardner, James | Qualcomm Incorporated |
| TGaz | 11/3 | Garg, Lalit | Broadcom Corporation |
| TGaz | 11/3 | Ghosh, Chittabrata | Intel Corporation |
| TGaz | 11/3 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/3 | Gurevitz, Assaf | intel |
| TGaz | 11/3 | Haider, Muhammad Kumail | Facebook |
| TGaz | 11/3 | Hansen, Christopher | Covariant Corporation |
| TGaz | 11/3 | Hart, Brian | Cisco Systems, Inc. |
| TGaz | 11/3 | Hoffman, Damian | Vayyar Imaging |
| TGaz | 11/3 | Hopf, Daniel | Continental Automotive GmbH |
| TGaz | 11/3 | Huang, Guogang | Huawei |
| TGaz | 11/3 | Ibrahim, Mostafa | SAMSUNG ELECTRONICS |
| TGaz | 11/3 | Izquierdo, Eduardo | Maxlinear Corp |
| TGaz | 11/3 | jiang, feng | Apple, Inc. |
| TGaz | 11/3 | Kadampot, Ishaque Ashar | Qualcomm Incorporated |
| TGaz | 11/3 | Kakani, Naveen | Qualcomm Incorporated |
| TGaz | 11/3 | Kang, Hyunduk | Electronics and Telecommunications Research Institute (ETRI) |
| TGaz | 11/3 | Kang, Sugbong | Apple, Inc. |
| TGaz | 11/3 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/3 | Kedem, Oren | Intel Corporation |
| TGaz | 11/3 | Kim, Sang Gook | LG ELECTRONICS |
| TGaz | 11/3 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/3 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGaz | 11/3 | Klimakov, Andrey | Huawei Technologies Co., Ltd |
| TGaz | 11/3 | Kozarev, Aleksandra | MaxLinear Corp |
| TGaz | 11/3 | Kureev, Aleksey | IITP RAS |
| TGaz | 11/3 | Lee, Hyeong Ho | Netvision Telecom Inc. |
| TGaz | 11/3 | Le Houerou, Brice | Canon Research Centre France |
| TGaz | 11/3 | Li, Bo | Northwestern Polytechnical University |
| TGaz | 11/3 | Li, Guoqing | Apple, Inc. |
| TGaz | 11/3 | Li, Qinghua | Intel Corporation |
| TGaz | 11/3 | Li, Yunbo | Huawei Technologies Co., Ltd |
| TGaz | 11/3 | Lindskog, Erik | SAMSUNG |
| TGaz | 11/3 | Lissack, Zeev | Vayyar |
| TGaz | 11/3 | Liu, Jianhan | MediaTek Inc. |
| TGaz | 11/3 | Liu, Ying | NXP Semiconductors |
| TGaz | 11/3 | Loginov, Vyacheslav | IITP RAS |
| TGaz | 11/3 | Lou, Hanqing | InterDigital, Inc. |
| TGaz | 11/3 | Lou, Hui-Ling | Marvell Semiconductor, Inc. |
| TGaz | 11/3 | Manakkal, Raja Rajesh | Broadcom Corporation |
| TGaz | 11/3 | Mehrnoush, Morteza | Facebook |
| TGaz | 11/3 | Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| TGaz | 11/3 | Montreuil, Leo | Broadcom Corporation |
| TGaz | 11/3 | Mueller, Robert | Technische Universitaet Ilmenau |
| TGaz | 11/3 | Nam, Junyoung | Qualcomm Incorporated |
| TGaz | 11/3 | Nassiri Toussi, Karim | Broadcom Corporation |
| TGaz | 11/3 | Nezou, Patrice | Canon Research Centre France |
| TGaz | 11/3 | Nurani Krishnan, Neelakantan | Qualcomm Incorporated |
| TGaz | 11/3 | Oh, Hyun Seo | Electronics and Telecommunications Research Institute (ETRI) |
| TGaz | 11/3 | Oren, Elad | Intel Corporation |
| TGaz | 11/3 | Palayur, Saju | Maxlinear Inc |
| TGaz | 11/3 | Palm, Stephen | Broadcom Corporation |
| TGaz | 11/3 | Pare, Thomas | MediaTek Inc. |
| TGaz | 11/3 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/3 | Pirhonen, Riku | NXP Semiconductors |
| TGaz | 11/3 | Popov, Mark | Vayyar |
| TGaz | 11/3 | Puducheri, Srinath | Broadcom Corporation |
| TGaz | 11/3 | Pulikkoonattu, Rethnakaran | Broadcom Corporation |
| TGaz | 11/3 | QIU, WEI | Huawei Technologies Co.,  Ltd |
| TGaz | 11/3 | Rai, Kapil | Qualcomm Incorporated |
| TGaz | 11/3 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/3 | Redlich, Oded | Huawei Technologies Co. Ltd |
| TGaz | 11/3 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/3 | Robert, Joerg | University of Erlangen-Nuremberg |
| TGaz | 11/3 | Rosenhouse, Tsachi | Vayyar Imaging |
| TGaz | 11/3 | Sadeghi, Bahareh | Intel Corporation |
| TGaz | 11/3 | Salem, Mohamed | Huawei Technologies Co., Ltd |
| TGaz | 11/3 | Sambasivan, Sam | AT&T |
| TGaz | 11/3 | Sand, Stephan | German Aerospace Center (DLR) |
| TGaz | 11/3 | Sandhu, Shivraj | Qualcomm Incorporated |
| TGaz | 11/3 | Sarris, Ioannis | u-blox |
| TGaz | 11/3 | Schiessl, Sebastian | u-blox |
| TGaz | 11/3 | Schmidhammer, Martin | German Aerospace Center (DLR) |
| TGaz | 11/3 | Scott, Andy | NCTA |
| TGaz | 11/3 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/3 | Sevin, Julien | Canon Research Centre France |
| TGaz | 11/3 | Shellhammer, Stephen | Qualcomm Incorporated |
| TGaz | 11/3 | Sherlock, Ian | Texas Instruments Incorporated |
| TGaz | 11/3 | Shor, Gadi | Intel Corporation |
| TGaz | 11/3 | Srinivasa, Sudhir | NXP Semiconductors |
| TGaz | 11/3 | Stacey, Robert | Intel Corporation |
| TGaz | 11/3 | Stott, Noel | Keysight Technologies |
| TGaz | 11/3 | Strauch, Paul | Qualcomm Incorporated |
| TGaz | 11/3 | Su, Hang | Broadcom Corporation |
| TGaz | 11/3 | Sundman, Dennis | Ericsson AB |
| TGaz | 11/3 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/3 | Tian, Tao | Unisoc Comm. |
| TGaz | 11/3 | Tolpin, Alexander | Intel Corporation |
| TGaz | 11/3 | Torrijo, Alejandro | MaxLinear Corp |
| TGaz | 11/3 | Trainin, Solomon | Qualcomm Incorporated |
| TGaz | 11/3 | Turkmen, Halise | Istanbul Medipol University; Vestel |
| TGaz | 11/3 | Van Nee, Richard | Qualcomm Incorporated |
| TGaz | 11/3 | Verma, Sindhu | Broadcom Corporation |
| TGaz | 11/3 | Vermani, Sameer | Qualcomm Incorporated |
| TGaz | 11/3 | Vicent Colonques, Santiago | Maxlinear |
| TGaz | 11/3 | VIGER, Pascal | Canon Research Centre France |
| TGaz | 11/3 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/3 | Wang, Pu | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/3 | Wang, Qi | Huawei Technologies Co., Ltd |
| TGaz | 11/3 | Wang, Qi | Apple, Inc. |
| TGaz | 11/3 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/3 | Want, Roy | Google |
| TGaz | 11/3 | Wentink, Menzo | Qualcomm |
| TGaz | 11/3 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/3 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/3 | Wullert, John | Perspecta Labs |
| TGaz | 11/3 | Yan, Zhongjiang | Northwestern Polytechnical University |
| TGaz | 11/3 | Yang, Bo | Huawei Technologies Co. Ltd |
| TGaz | 11/3 | Yang, Lin | Qualcomm Incorporated |
| TGaz | 11/3 | Yang, Mao | Northwestern Polytechnical University |
| TGaz | 11/3 | Young, Christopher | Broadcom Corporation |
| TGaz | 11/3 | Yu, Mao | NXP Semiconductors |
| TGaz | 11/3 | Zein, Nader | NEC Laboratories Europe |
| TGaz | 11/3 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/3 | Zhang, Hongyuan | Marvell Semiconductor, Inc. |
| TGaz | 11/3 | ZHANG, JIAYIN | Huawei Technologies Co. Ltd |
| TGaz | 11/3 | Zhang, Yan | NXP Semiconductors |
| TGaz | 11/3 | Zheng, Xiayu | NXP Semiconductors |

1. **TGaz – November 4th 2020 – session I**
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:15am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r3 (in progress - slide 31)**
   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: ~62 present
   4. Agenda
      1. Review submission:
   5. Jonathan Segev presented -11-20-1719
      1. CID 3909 – reject withdrawn – RFM
      2. CID 3245 – reject, withdrawn – RFM
      3. **Motion (202011-09):**    
         Move to adopt the resolution depicted by document 11-20-1719r5 for CIDs 3375, 3885, 3995, 4008, 3106, 3276, 3282, 3411, 3412, 3424, 3921, 3122, 3134, 3442, 3578, 3579, 3828, 3909, 3245 (19 CIDs total), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Assaf Kasher  
         Second: Roy Want  
         **Results**: 80/0/4
   6. Yongho Seok presented 11-20-1354
      1. CID 3458 - Reject - RFM
      2. CID 3869 – Accept -RFM
      3. CID 3761 – Revised – RFM
      4. CID 3627- Revised-RFM
      5. CID 3901 – Revised -RFM
      6. CID 3902 – Revised – RFM
      7. CID 3868– Revised – RFM
      8. CID 3910 – Revised – already implemented in D2.5
      9. CID 3507 – Revised – RFM
      10. CID 3614 – Revised – already implemented in D2.5
      11. CID 3615 – Revise
      12. **Motion** (202011-10):  
          Move to adopt the resolution depicted by document 11-20-1354r1 for CIDs 3458, 3869, 3847, 3761, 3627, 3901, 3902, 3868, 3910, 3507, 3614, 3615, 3457 (13 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.|  
          Moved Yongho Seok  
          Second: Ali Raissinia  
          **Results**: approved by unanimous consent.
   7. Christian Berger presented11-20-1731
      1. CID 4014 – Revise
   8. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/4 | AbidRabbu, Shaima' | IMU, VESTEL |
| TGaz | 11/4 | Adhikari, Shubhodeep | Broadcom Corporation |
| TGaz | 11/4 | Akhmetov, Dmitry | Intel Corporation |
| TGaz | 11/4 | Aldana, Carlos | Facebook |
| TGaz | 11/4 | Alexander, Danny | Intel Corporation |
| TGaz | 11/4 | Allegue Martinez, Michel | Aerial Technologies Inc. |
| TGaz | 11/4 | Anwyl, Gary | MediaTek Inc. |
| TGaz | 11/4 | Arregui, Antonio | Maxlinear |
| TGaz | 11/4 | Au, Kwok Shum | Huawei Technologies Co.,  Ltd |
| TGaz | 11/4 | Au, Oscar | Origin Wireless |
| TGaz | 11/4 | Auluck, Vijay | Self |
| TGaz | 11/4 | Avital, Ziv | MaxLinear |
| TGaz | 11/4 | Awater, Geert | Qualcomm Incorporated |
| TGaz | 11/4 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/4 | Badenes, Agustin | Maxlinear Corp |
| TGaz | 11/4 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/4 | Baik, Eugene | Qualcomm Incorporated |
| TGaz | 11/4 | Banerjea, Raja | Qualcomm Incorporated |
| TGaz | 11/4 | Barr, David | Intel Corporation |
| TGaz | 11/4 | Batra, Anuj | Apple, Inc. |
| TGaz | 11/4 | BECHADERGUE, Bastien | OLEDCOMM |
| TGaz | 11/4 | Bei, Jianwei | NXP Semiconductors |
| TGaz | 11/4 | Berens, Friedbert | FBConsulting Sarl |
| TGaz | 11/4 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/4 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/4 | Boldy, David | Broadcom Corporation |
| TGaz | 11/4 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/4 | Chen, Cheng | Intel Corporation |
| TGaz | 11/4 | Chen, Xiaogang | Intel Corporation |
| TGaz | 11/4 | Cheng, Xilin | NXP Semiconductors |
| TGaz | 11/4 | Chu, Liwen | NXP Semiconductors |
| TGaz | 11/4 | CHUN, JINYOUNG | LG ELECTRONICS |
| TGaz | 11/4 | Cohn, Daniel | Intel Corporation |
| TGaz | 11/4 | Das, Dibakar | Intel Corporation |
| TGaz | 11/4 | Dash, Debashis | Apple, Inc. |
| TGaz | 11/4 | da Silva, Claudio | Intel Corporation |
| TGaz | 11/4 | de Vegt, Rolf | Qualcomm Incorporated |
| TGaz | 11/4 | Ding, Baokun | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | DOAN, DUNG | Qualcomm Incorporated |
| TGaz | 11/4 | Dogukan, Ali | Vestel |
| TGaz | 11/4 | Doostnejad, Roya | Intel Corporation |
| TGaz | 11/4 | Du, Rui | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Eitan, Alecsander | Qualcomm Incorporated |
| TGaz | 11/4 | ElSherif, Ahmed | Qualcomm Incorporated |
| TGaz | 11/4 | Erceg, Vinko | Broadcom Corporation |
| TGaz | 11/4 | Erell, Assaf | Vayyar Imaging Ltd. |
| TGaz | 11/4 | Ganwani, Vijay | NXP Semiconductors |
| TGaz | 11/4 | Gardner, James | Qualcomm Incorporated |
| TGaz | 11/4 | Garg, Lalit | Broadcom Corporation |
| TGaz | 11/4 | Gong, Bo | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/4 | Guntupalli, Lakshmikanth | [lkg497@gmail.com](mailto:lkg497@gmail.com) |
| TGaz | 11/4 | Guo, Yuchen | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Gurevitz, Assaf | intel |
| TGaz | 11/4 | Hall, Robert | CONSULTANT |
| TGaz | 11/4 | HAN, CHONG | pureLiFi |
| TGaz | 11/4 | Han, Jonghun | SAMSUNG |
| TGaz | 11/4 | Handte, Thomas | Sony Corporation |
| TGaz | 11/4 | Hansen, Christopher | Covariant Corporation |
| TGaz | 11/4 | Harrison, Edward | Anritsu Company |
| TGaz | 11/4 | Hoffman, Damian | Vayyar Imaging |
| TGaz | 11/4 | Holland, Oliver | Advanced Wireless Technology Group (AWTG), Ltd. |
| TGaz | 11/4 | Hsiao, Ching-Wen | MediaTek Inc. |
| TGaz | 11/4 | Hu, Mengshi | HUAWEI |
| TGaz | 11/4 | Ikegami, Tetsushi | Meiji University |
| TGaz | 11/4 | Iranzo, Salvador | Maxlinear Corp |
| TGaz | 11/4 | Ji, Chenhe | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Jia, Jia | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Jones, Vincent Knowles IV | Qualcomm Incorporated |
| TGaz | 11/4 | Kakani, Naveen | Qualcomm Incorporated |
| TGaz | 11/4 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/4 | Kerry, Stuart | OK-Brit; Self |
| TGaz | 11/4 | Khude, Nilesh | NXP Semiconductors |
| TGaz | 11/4 | Kim, Myeong-Jin | SAMSUNG |
| TGaz | 11/4 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/4 | Kozarev, Aleksandra | MaxLinear Corp |
| TGaz | 11/4 | kristem, vinod | Intel Corporation |
| TGaz | 11/4 | Kumar, Manish | Marvell Semiconductor, Inc. |
| TGaz | 11/4 | Kureev, Aleksey | IITP RAS |
| TGaz | 11/4 | Lan, Zhou | MediaTek Inc. |
| TGaz | 11/4 | Lee, Hyeong Ho | Netvision Telecom Inc. |
| TGaz | 11/4 | Lee, Jae Seung | Electronics and Telecommunications Research Institute (ETRI) |
| TGaz | 11/4 | Lee, Wookbong | SAMSUNG |
| TGaz | 11/4 | Li, Bo | Northwestern Polytechnical University |
| TGaz | 11/4 | Li, Jianhui | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Li, Liang | Vinno Technologies Inc. |
| TGaz | 11/4 | Li, Nan | ZTE Corporation |
| TGaz | 11/4 | Li, Qinghua | Intel Corporation |
| TGaz | 11/4 | Lin, Wei | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Lindskog, Erik | SAMSUNG |
| TGaz | 11/4 | Lissack, Zeev | Vayyar |
| TGaz | 11/4 | LIU, CHENCHEN | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Liu, Ying | NXP Semiconductors |
| TGaz | 11/4 | Lopez, Miguel | Ericsson AB |
| TGaz | 11/4 | Lou, Hui-Ling | NXP Semiconductors |
| TGaz | 11/4 | Ma, Li | MediaTek Inc. |
| TGaz | 11/4 | Ma, Mengyao | HUAWEI |
| TGaz | 11/4 | Madpuwar, Girish | Broadcom Corporation |
| TGaz | 11/4 | Manakkal, Raja Rajesh | Broadcom Corporation |
| TGaz | 11/4 | Mazor, Nadav | Vayyar Ltd. |
| TGaz | 11/4 | Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| TGaz | 11/4 | Monajemi, Pooya | Cisco Systems, Inc. |
| TGaz | 11/4 | Montreuil, Leo | Broadcom Corporation |
| TGaz | 11/4 | Mueller, Robert | Technische Universitaet Ilmenau |
| TGaz | 11/4 | Nagai, Yukimasa | Mitsubishi Electric Corporation |
| TGaz | 11/4 | Nam, Junyoung | Qualcomm Incorporated |
| TGaz | 11/4 | Namboodiri, Vamadevan | SAMSUNG ELECTRONICS |
| TGaz | 11/4 | NANDAGOPALAN, SAI SHANKAR | Cypress Semiconductor Corporation |
| TGaz | 11/4 | Nassiri Toussi, Karim | Broadcom Corporation |
| TGaz | 11/4 | Nguyen, An | DHS/CISA |
| TGaz | 11/4 | Nurani Krishnan, Neelakantan | Qualcomm Incorporated |
| TGaz | 11/4 | Oren, Elad | Intel Corporation |
| TGaz | 11/4 | Orlik, Philip | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/4 | Pare, Thomas | MediaTek Inc. |
| TGaz | 11/4 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/4 | PESIN, ANTHONY | InterDigital, Inc. |
| TGaz | 11/4 | Petranovich, James | ViaSat, Inc. |
| TGaz | 11/4 | Petry, Brian | Broadcom Corporation |
| TGaz | 11/4 | Pirhonen, Riku | NXP Semiconductors |
| TGaz | 11/4 | porat, ron | Broadcom Corporation |
| TGaz | 11/4 | Prabhakaran, Dinakar | Broadcom Corporation |
| TGaz | 11/4 | Pulikkoonattu, Rethnakaran | Broadcom Corporation |
| TGaz | 11/4 | QIU, WEI | Huawei Technologies Co.,  Ltd |
| TGaz | 11/4 | Rai, Kapil | Qualcomm Incorporated |
| TGaz | 11/4 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/4 | Rantala, Enrico-Henrik | Nokia |
| TGaz | 11/4 | Redlich, Oded | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Rege, Kiran | Perspecta Labs |
| TGaz | 11/4 | Reshef, Ehud | Intel Corporation |
| TGaz | 11/4 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/4 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGaz | 11/4 | Rosenhouse, Tsachi | Vayyar Imaging |
| TGaz | 11/4 | Salem, Mohamed | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Salman, Hanadi | Istanbul Medipol University; VESTEL |
| TGaz | 11/4 | Sambasivan, Sam | AT&T |
| TGaz | 11/4 | Sandhu, Shivraj | Qualcomm Incorporated |
| TGaz | 11/4 | Sarris, Ioannis | u-blox |
| TGaz | 11/4 | Sato, Naotaka | Sony Corporation |
| TGaz | 11/4 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/4 | Seok, Yongho | MediaTek Inc. |
| TGaz | 11/4 | Serafimovski, Nikola | pureLiFi |
| TGaz | 11/4 | Shah, Kunal | Itron Inc. |
| TGaz | 11/4 | Shor, Gadi | Intel Corporation |
| TGaz | 11/4 | singla, Parul | Maxlinear Inc |
| TGaz | 11/4 | Solaija, Muhammad Sohaib | Istanbul Medipol University; Vestel |
| TGaz | 11/4 | Srinivasa, Sudhir | NXP Semiconductors |
| TGaz | 11/4 | Stacey, Robert | Intel Corporation |
| TGaz | 11/4 | Stepanov, Max | Intel Corporation |
| TGaz | 11/4 | Su, Hang | Broadcom Corporation |
| TGaz | 11/4 | SU, HONGJIA | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Sun, Yingxiang | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Sundaram, Rajesh | Broadcom Corporation |
| TGaz | 11/4 | Takai, Mineo | Space-Time Engineering |
| TGaz | 11/4 | Teran, Jesus Gutierrez | IHP GmbH |
| TGaz | 11/4 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/4 | Tian, Tao | Unisoc Comm. |
| TGaz | 11/4 | Tolpin, Alexander | Intel Corporation |
| TGaz | 11/4 | Torrijo, Alejandro | MaxLinear Corp |
| TGaz | 11/4 | Trainin, Solomon | Qualcomm Incorporated |
| TGaz | 11/4 | Unterhuber, Paul | German Aerospace Center (DLR) |
| TGaz | 11/4 | Van Nee, Richard | Qualcomm Incorporated |
| TGaz | 11/4 | Verma, Sindhu | Broadcom Corporation |
| TGaz | 11/4 | Vituri, Shlomi | Intel |
| TGaz | 11/4 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/4 | Wang, Pu | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/4 | Wang, Qi | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Wang, Qi | Apple, Inc. |
| TGaz | 11/4 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/4 | Want, Roy | Google |
| TGaz | 11/4 | Wentink, Menzo | Qualcomm |
| TGaz | 11/4 | Wizenberg, Reut | Vayyar Imaging |
| TGaz | 11/4 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/4 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/4 | Xu, Yanchao | Zeku |
| TGaz | 11/4 | Yan, Zhongjiang | Northwestern Polytechnical University |
| TGaz | 11/4 | Yang, Bo | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Yang, Lin | Qualcomm Incorporated |
| TGaz | 11/4 | Yee, Peter | NSA-CSD |
| TGaz | 11/4 | Young, Christopher | Broadcom Corporation |
| TGaz | 11/4 | Yu, Mao | NXP Semiconductors |
| TGaz | 11/4 | ZEGRAR, Salah Eddine | Istanbul Medipol University; Vestel |
| TGaz | 11/4 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/4 | Zeng, Yan | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | Zhang, Hongyuan | Marvell Semiconductor, Inc. |
| TGaz | 11/4 | Zheng, Xiayu | NXP Semiconductors |
| TGaz | 11/4 | Zou, Tristan | Qualcomm Incorporated |

1. **TGaz – November 4rd 2020 – session II**
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:15am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r5 (in progress - slide 31)**
   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: ~38 present
   4. Agenda
      1. Review submission:
         1. 11-20-1731 comment-resolution-lb249-PHY-CID 4014 - Christian Berger
         2. 11-20-1723 comment resolution LB249 - Additional CIDs Clause 11.21.6.4.3- Christian Berger
         3. 11-20-1653 LMR timestamps - Part II – Erik Lindskog
         4. 11-20-1749 pftm-state1a – Nehru Bhandaru
   5. Roy Want – CR status of unassigned CIDs.
      1. 3074 – revised as editorial
      2. 3123 – 3124 – Ali and Girish working on it.
      3. 3128 Ali will bring resolution tomorrow.
      4. 3131 need to finalize the resolution Ali will an define accurate
      5. 3214 Reject - The comment fails to identify a solution
      6. 3215 secure PHY
      7. 3245 – see 11-22-1245
      8. 3269 – look what already resolved it. – 11-20-1683
      9. 3270 – Christian and Erik to discuss by Thursday
      10. 3311 – see 11-20-1733
      11. 3356 - PHY security
      12. 3356 – contact commenter/assignee
      13. 3376 – would be reject withdrawn
      14. 3450 –
      15. 3457 – already motioned
      16. 3606, 3607, 3616, 3620, 3886, 3700 – will be resolved by 1666r4
      17. 3611 – duplicate of 3134
      18. 3745 - Ali and Girish working on it
      19. 3893 – reassigned to Christian Berger
      20. 3909 – reject
      21. 3911 – PHY security
      22. 3920 – PHY security
   6. Christian Berger presented 1731 – continue discussion
      1. **Motion (202011-11) :** Move to adopt the resolution depicted by document 11-20-1731r1 for CIDs 4014 (1 CID), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      2. Moved Christian Berger
      3. Second: Qinghua Li
      4. Results: 22/0/3
   7. Christian Berger presented 11-20-1723
      1. CID 3717 – Reject
      2. CID 3718 -Revise
      3. Continue discussion in next session
   8. Recess
   9. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/4 | Abdelaal, Rana | Broadcom Corporation |
| TGaz | 11/4 | AbidRabbu, Shaima' | IMU, VESTEL |
| TGaz | 11/4 | Adhikari, Shubhodeep | Broadcom Corporation |
| TGaz | 11/4 | Agarwal, Peyush | Broadcom Corporation |
| TGaz | 11/4 | Aldana, Carlos | Facebook |
| TGaz | 11/4 | Ambede, Abhishek | Ericsson AB |
| TGaz | 11/4 | ANANDAKUMAR, KRISHNASAMY | Maxlinear Inc |
| TGaz | 11/4 | Arregui, Antonio | Maxlinear |
| TGaz | 11/4 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGaz | 11/4 | Au, Oscar | Origin Wireless |
| TGaz | 11/4 | Awater, Geert | Qualcomm Incorporated |
| TGaz | 11/4 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/4 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/4 | Baik, Eugene | Qualcomm Incorporated |
| TGaz | 11/4 | Batra, Anuj | Apple, Inc. |
| TGaz | 11/4 | BECHADERGUE, Bastien | OLEDCOMM |
| TGaz | 11/4 | Bei, Jianwei | NXP Semiconductors |
| TGaz | 11/4 | Berens, Friedbert | FBConsulting Sarl |
| TGaz | 11/4 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/4 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/4 | Boldy, David | Broadcom Corporation |
| TGaz | 11/4 | Bredewoud, Albert | Broadcom Corporation |
| TGaz | 11/4 | Cao, Rui | NXP Semiconductors |
| TGaz | 11/4 | Cariou, Laurent | Intel Corporation |
| TGaz | 11/4 | CHAN, YEE | Facebook |
| TGaz | 11/4 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/4 | Chen, Xiaogang | Intel Corporation |
| TGaz | 11/4 | Cheng, Paul | MediaTek Inc. |
| TGaz | 11/4 | Cohn, Daniel | Intel Corporation |
| TGaz | 11/4 | Cordeiro, Carlos | Intel Corporation |
| TGaz | 11/4 | Das, Dibakar | Intel Corporation |
| TGaz | 11/4 | de Vegt, Rolf | Qualcomm Incorporated |
| TGaz | 11/4 | Ding, Yanyi | Panasonic Corporation |
| TGaz | 11/4 | Di Taranto, Rocco | Ericsson AB |
| TGaz | 11/4 | DOAN, DUNG | Qualcomm Incorporated |
| TGaz | 11/4 | Dogukan, Ali | Vestel |
| TGaz | 11/4 | Edgar, Richard | Imagination Technologies Ltd. |
| TGaz | 11/4 | Eitan, Alecsander | Qualcomm Incorporated |
| TGaz | 11/4 | Erceg, Vinko | Broadcom Corporation |
| TGaz | 11/4 | Erell, Assaf | Vayyar Imaging Ltd. |
| TGaz | 11/4 | Garg, Lalit | Broadcom Corporation |
| TGaz | 11/4 | Ghosh, Chittabrata | Intel Corporation |
| TGaz | 11/4 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/4 | Gurevitz, Assaf | intel |
| TGaz | 11/4 | Harrison, Edward | Anritsu Company |
| TGaz | 11/4 | Hart, Brian | Cisco Systems, Inc. |
| TGaz | 11/4 | Hsiao, Ching-Wen | MediaTek Inc. |
| TGaz | 11/4 | Ibrahim, Mostafa | SAMSUNG ELECTRONICS |
| TGaz | 11/4 | Iranzo, Salvador | Maxlinear Corp |
| TGaz | 11/4 | jiang, feng | Apple, Inc. |
| TGaz | 11/4 | Jones, Vincent Knowles IV | Qualcomm Incorporated |
| TGaz | 11/4 | Kakani, Naveen | Qualcomm Incorporated |
| TGaz | 11/4 | Kandala, Srinivas | SAMSUNG |
| TGaz | 11/4 | Kang, Hyunduk | Electronics and Telecommunications Research Institute (ETRI) |
| TGaz | 11/4 | Kang, Sugbong | Apple, Inc. |
| TGaz | 11/4 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/4 | Kedem, Oren | Intel Corporation |
| TGaz | 11/4 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/4 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGaz | 11/4 | Klimakov, Andrey | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | kristem, vinod | Intel Corporation |
| TGaz | 11/4 | Kureev, Aleksey | IITP RAS |
| TGaz | 11/4 | Lansford, James | Qualcomm Incorporated |
| TGaz | 11/4 | Lee, Hyeong Ho | Netvision Telecom Inc. |
| TGaz | 11/4 | Lee, Wookbong | SAMSUNG |
| TGaz | 11/4 | Le Houerou, Brice | Canon Research Centre France |
| TGaz | 11/4 | Li, Bo | Northwestern Polytechnical University |
| TGaz | 11/4 | Li, Jialing | Qualcomm Incorporated |
| TGaz | 11/4 | Li, Qinghua | Intel Corporation |
| TGaz | 11/4 | Lindskog, Erik | SAMSUNG |
| TGaz | 11/4 | Lissack, Zeev | Vayyar |
| TGaz | 11/4 | Liu, Jianhan | MediaTek Inc. |
| TGaz | 11/4 | Lou, Hui-Ling | NXP Semiconductors |
| TGaz | 11/4 | Martinez Vazquez, Marcos | Maxlinear Corp |
| TGaz | 11/4 | Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| TGaz | 11/4 | Montreuil, Leo | Broadcom Corporation |
| TGaz | 11/4 | Mueller, Robert | Technische Universitaet Ilmenau |
| TGaz | 11/4 | Nagai, Yukimasa | Mitsubishi Electric Corporation |
| TGaz | 11/4 | Nam, Junyoung | Qualcomm Incorporated |
| TGaz | 11/4 | NANDAGOPALAN, SAI SHANKAR | Cypress Semiconductor Corporation |
| TGaz | 11/4 | Nassiri Toussi, Karim | Broadcom Corporation |
| TGaz | 11/4 | Nezou, Patrice | Canon Research Centre France |
| TGaz | 11/4 | Nguyen, An | DHS/CISA |
| TGaz | 11/4 | Nurani Krishnan, Neelakantan | Qualcomm Incorporated |
| TGaz | 11/4 | Oren, Elad | Intel Corporation |
| TGaz | 11/4 | Palayur, Saju | Maxlinear Inc |
| TGaz | 11/4 | Palmer, Clark | Meteorcomm LLC |
| TGaz | 11/4 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/4 | Perlmutter, Uri | Intel Corporation |
| TGaz | 11/4 | Petry, Brian | Broadcom Corporation |
| TGaz | 11/4 | Pirhonen, Riku | NXP Semiconductors |
| TGaz | 11/4 | Popov, Mark | Vayyar |
| TGaz | 11/4 | Puducheri, Srinath | Broadcom Corporation |
| TGaz | 11/4 | QIU, WEI | Huawei Technologies Co.,  Ltd |
| TGaz | 11/4 | Rafique, Saira | Istanbul Medipol University; Vestel |
| TGaz | 11/4 | Rai, Kapil | Qualcomm Incorporated |
| TGaz | 11/4 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/4 | Rege, Kiran | Perspecta Labs |
| TGaz | 11/4 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/4 | RISON, Mark | Samsung Cambridge Solution Centre |
| TGaz | 11/4 | Sadeghi, Bahareh | Intel Corporation |
| TGaz | 11/4 | Sandhu, Shivraj | Qualcomm Incorporated |
| TGaz | 11/4 | Sarris, Ioannis | u-blox |
| TGaz | 11/4 | Sato, Naotaka | Sony Corporation |
| TGaz | 11/4 | Schmidhammer, Martin | German Aerospace Center (DLR) |
| TGaz | 11/4 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/4 | Sevin, Julien | Canon Research Centre France |
| TGaz | 11/4 | Shellhammer, Stephen | Qualcomm Incorporated |
| TGaz | 11/4 | Sherlock, Ian | Texas Instruments Incorporated |
| TGaz | 11/4 | Shor, Gadi | Intel Corporation |
| TGaz | 11/4 | singla, Parul | Maxlinear Inc |
| TGaz | 11/4 | Sinn, Ulrich | Siemens AG |
| TGaz | 11/4 | Srinivasan, Shree Raman | Qualcomm Incorporated |
| TGaz | 11/4 | Stacey, Robert | Intel Corporation |
| TGaz | 11/4 | Strauch, Paul | Qualcomm Incorporated |
| TGaz | 11/4 | Su, Hang | Broadcom Corporation |
| TGaz | 11/4 | Sundaram, Rajesh | Broadcom Corporation |
| TGaz | 11/4 | Sundman, Dennis | Ericsson AB |
| TGaz | 11/4 | Teran, Jesus Gutierrez | IHP GmbH |
| TGaz | 11/4 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/4 | Tian, Tao | Unisoc Comm. |
| TGaz | 11/4 | Tolpin, Alexander | Intel Corporation |
| TGaz | 11/4 | Torrijo, Alejandro | MaxLinear Corp |
| TGaz | 11/4 | Uln, Kiran | Cypress Semiconductor Corporation |
| TGaz | 11/4 | Venkatesan, Ganesh | Intel Corporation |
| TGaz | 11/4 | Verma, Sindhu | Broadcom Corporation |
| TGaz | 11/4 | Vermani, Sameer | Qualcomm Incorporated |
| TGaz | 11/4 | Vicent Colonques, Santiago | Maxlinear |
| TGaz | 11/4 | VIGER, Pascal | Canon Research Centre France |
| TGaz | 11/4 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/4 | Wang, Huizhao | Quantenna Communications, Inc. |
| TGaz | 11/4 | Wang, Pu | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/4 | Wang, Qi | Apple, Inc. |
| TGaz | 11/4 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/4 | Want, Roy | Google |
| TGaz | 11/4 | Wentink, Menzo | Qualcomm |
| TGaz | 11/4 | Wilhelmsson, Leif | Ericsson AB |
| TGaz | 11/4 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/4 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/4 | Xin, Liangxiao | Sony Corporation |
| TGaz | 11/4 | Xue, Qi | Qualcomm Incorporated |
| TGaz | 11/4 | Yan, Aiguo | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGaz | 11/4 | Yan, Zhongjiang | Northwestern Polytechnical University |
| TGaz | 11/4 | Yang, Lin | Qualcomm Incorporated |
| TGaz | 11/4 | Yang, Mao | Northwestern Polytechnical University |
| TGaz | 11/4 | Young, Christopher | Broadcom Corporation |
| TGaz | 11/4 | Yu, Mao | NXP Semiconductors |
| TGaz | 11/4 | Yuan, Fangchao | Huawei Technologies Co., Ltd |
| TGaz | 11/4 | ZEGRAR, Salah Eddine | Istanbul Medipol University; Vestel |
| TGaz | 11/4 | Zein, Nader | NEC Laboratories Europe |
| TGaz | 11/4 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/4 | Zhang, Hongyuan | Marvell Semiconductor, Inc. |
| TGaz | 11/4 | ZHANG, JIAYIN | Huawei Technologies Co. Ltd |
| TGaz | 11/4 | Zhang, Yan | NXP Semiconductors |
| TGaz | 11/4 | Zheng, Xiayu | NXP Semiconductors |
| TGaz | 11/4 | Zou, Tristan | Qualcomm Incorporated |

1. **TGaz – November 5th 2020 – session I**
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:15am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r7 (in progress - slide 31)**
   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: ~56 present
   4. Agenda
      1. Review submission:
         1. 11-20-1723 comment resolution LB249 - Additional CIDs Clause 11.21.6.4.3- Christian Berger 10m
         2. 11-20-1653 LMR timestamps - Erik Lindskog 10m follow up
         3. 11-20-1556 LMR timestamp clock and reporting - Erik Lindskog 15 follow up
         4. 11-20-1759 Resolution for CID3099 LB249 - Ali Raissinia for follow up
         5. 11-20-1649 LB249-Secure LTF and other CIDs - Girish Madpuwar
         6. 11-20-1733 Phase shift feedback response - Erik Lindskog
   5. Christian Berger presented 11-20-1723
      1. CID 3717 – revised
      2. CID 3118 – more work needed to formulate a solution
      3. **Motion** (202011-12)  
         Move to adopt the resolution depicted by document 11-20-1723r1 for CIDs 3717, 3718 (2 CID), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Ali Raissinia  
         Second: Christian Berger  
         **Results**: 16/0/8 motion passes
   6. Erik Lindskog presented 11-20-1752, 11-20-1653:
      1. Option to lower the time spend on time stamps
      2. **Motion** (202011-13):  
         Move to adopt the resolution depicted by document 11-20-1653r4 for CIDs 3277, 3278, 3273 (3 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Erik Lindskog  
         Second: Ali Raissinia  
         **Results**: Approved by Unanimous consent
   7. Erik Lindskog presented 11-20-1556
      1. **Motion** (202011-14):   
         Move to adopt the resolution depicted by document 11-20-1556r5 for CIDs 3279, 3280 (2 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Erik Lindskog  
         Second: Assaf Kasher  
         **Results**: Approved by Unanimous consent
   8. Ali Raissinia presented 11-20-1759
      1. CID 3099 – revised
   9. Erik Lindskog presented 11-20-1733
      1. CID 3311 pending
   10. Recess at 10:15PST
   11. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/5 | Abdelaal, Rana | Broadcom Corporation |
| TGaz | 11/5 | Adhikari, Shubhodeep | Broadcom Corporation |
| TGaz | 11/5 | Agarwal, Peyush | Broadcom Corporation |
| TGaz | 11/5 | Agrawal, abhishek | ON Semiconductor |
| TGaz | 11/5 | Aldana, Carlos | Facebook |
| TGaz | 11/5 | An, Song-Haur | INDEPENDENT |
| TGaz | 11/5 | ANANDAKUMAR, KRISHNASAMY | Maxlinear Inc |
| TGaz | 11/5 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGaz | 11/5 | Au, Oscar | Origin Wireless |
| TGaz | 11/5 | Avital, Ziv | MaxLinear |
| TGaz | 11/5 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/5 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/5 | Banerjea, Raja | Qualcomm Incorporated |
| TGaz | 11/5 | Batra, Anuj | Apple, Inc. |
| TGaz | 11/5 | BECHADERGUE, Bastien | OLEDCOMM |
| TGaz | 11/5 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/5 | Berner, Stephan | pureLiFi |
| TGaz | 11/5 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/5 | Bredewoud, Albert | Broadcom Corporation |
| TGaz | 11/5 | Camps Soriano, Carlos | MaxLinear Corp |
| TGaz | 11/5 | Cepni, Gurkan | Apple, Inc. |
| TGaz | 11/5 | CHAN, YEE | Facebook |
| TGaz | 11/5 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/5 | Chen, Cheng | Intel Corporation |
| TGaz | 11/5 | Cheng, Paul | MediaTek Inc. |
| TGaz | 11/5 | Chu, Liwen | NXP Semiconductors |
| TGaz | 11/5 | Cohn, Daniel | Intel Corporation |
| TGaz | 11/5 | Das, Dibakar | Intel Corporation |
| TGaz | 11/5 | Ding, Yanyi | Panasonic Corporation |
| TGaz | 11/5 | Di Taranto, Rocco | Ericsson AB |
| TGaz | 11/5 | Duan, Ruchen | SAMSUNG |
| TGaz | 11/5 | Erceg, Vinko | Broadcom Corporation |
| TGaz | 11/5 | Ghaderipoor, Alireza | MediaTek Inc. |
| TGaz | 11/5 | Gidvani, Ravi | SAMSUNG |
| TGaz | 11/5 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/5 | Harrison, Edward | Anritsu Company |
| TGaz | 11/5 | Holland, Oliver | Advanced Wireless Technology Group (AWTG), Ltd. |
| TGaz | 11/5 | Hurtarte, Jeorge | Teradyne, Inc. |
| TGaz | 11/5 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/5 | Khan, Naseem | Leidos Engineering. LLC |
| TGaz | 11/5 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/5 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGaz | 11/5 | Levitsky, Ilya | IITP RAS |
| TGaz | 11/5 | Li, Qinghua | Intel Corporation |
| TGaz | 11/5 | Lindskog, Erik | SAMSUNG |
| TGaz | 11/5 | Madpuwar, Girish | Broadcom Corporation |
| TGaz | 11/5 | Martinez Vazquez, Marcos | Maxlinear Corp |
| TGaz | 11/5 | Mazor, Nadav | Vayyar Ltd. |
| TGaz | 11/5 | Mehrnoush, Morteza | Facebook |
| TGaz | 11/5 | Memisoglu, Ebubekir | Istanbul Medipol University; Vestel |
| TGaz | 11/5 | Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| TGaz | 11/5 | Monajemi, Pooya | Cisco Systems, Inc. |
| TGaz | 11/5 | Nam, Junyoung | Qualcomm Incorporated |
| TGaz | 11/5 | Nurani Krishnan, Neelakantan | Qualcomm Incorporated |
| TGaz | 11/5 | Orlik, Philip | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/5 | OZDEN ZENGIN, OZLEM | VESTEL |
| TGaz | 11/5 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGaz | 11/5 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/5 | Perlmutter, Uri | Intel Corporation |
| TGaz | 11/5 | Popov, Mark | Vayyar |
| TGaz | 11/5 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/5 | Rege, Kiran | Perspecta Labs |
| TGaz | 11/5 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/5 | RISON, Mark | Samsung Cambridge Solution Centre |
| TGaz | 11/5 | Sadeghi, Bahareh | Intel Corporation |
| TGaz | 11/5 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/5 | Sevin, Julien | Canon Research Centre France |
| TGaz | 11/5 | Shellhammer, Stephen | Qualcomm Incorporated |
| TGaz | 11/5 | singla, Parul | Maxlinear Inc |
| TGaz | 11/5 | Stacey, Robert | Intel Corporation |
| TGaz | 11/5 | Su, Hang | Broadcom Corporation |
| TGaz | 11/5 | Sundaram, Rajesh | Broadcom Corporation |
| TGaz | 11/5 | Sundman, Dennis | Ericsson AB |
| TGaz | 11/5 | Tan, Danny | Huawei Technologies Co. Ltd |
| TGaz | 11/5 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/5 | Tian, Tao | Unisoc Comm. |
| TGaz | 11/5 | Uln, Kiran | Cypress Semiconductor Corporation |
| TGaz | 11/5 | Vermani, Sameer | Qualcomm Incorporated |
| TGaz | 11/5 | Vicent Colonques, Santiago | Maxlinear |
| TGaz | 11/5 | Vituri, Shlomi | Intel |
| TGaz | 11/5 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/5 | Wang, Qi | Apple, Inc. |
| TGaz | 11/5 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/5 | Wentink, Menzo | Qualcomm |
| TGaz | 11/5 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/5 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/5 | Yang, Lin | Qualcomm Incorporated |
| TGaz | 11/5 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/5 | Zhang, Hongyuan | Marvell Semiconductor, Inc. |
| TGaz | 11/5 | Zheng, Xiayu | NXP Semiconductors |
| TGaz | 11/5 | Zou, Tristan | Qualcomm Incorporated |

1. **TGaz – November 5th 2020 – session II**
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:15am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r7 (in progress - slide 31)**
   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: ~65 present
   4. Agenda
      1. Review submission status
      2. Review submission:
         1. 11-20-1759 – Resolution for CID3099 LB249 - Ali Raissinia – for motion
         2. Girish Madpuwar 11-20-1649 LB249-Secure LTF and other CIDs
         3. 11-20-1787 LB249-resolution-to-CID-3635 - Assaf Kasher
         4. 11-20-1749 pftm-state1a– Nehru Bhandaru
         5. 11-20-1666 Misc CIDs clause 9 and 11 - Dibakar Das
         6. 11-20-1789 resolution for CID3128 LB249 – Ali Raissinia
   5. Review status of 11-20-0017
   6. Motion on 11-20-1759
      1. **Motion** (202011-15):  
         Move to adopt the resolution depicted by document 11-20-1759r1 for CIDs 3099 (1 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         moved: Ali Raissinia  
         Second: Assaf Kasher  
         **Results**: 21/0/3 – motion passes
   7. Girish Madpuwar presented – 11-20-1649
      1. CID 3124 revise
      2. CID 3754 Revise
      3. CID 3775 Revise
      4. CID 3113 Revise
      5. CID 3123 Revised
      6. More discussion required
   8. Assaf Presented 11-20-1787
      1. **Motion** 202011-16  
         Move to adopt the resolution depicted by document 11-20-1787r3 for CIDs 3635, 3074, 3639, 3937 (4 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.   
         Moved by Assaf Kasher  
         Second by Ali Raissinia  
         **Results**: Approved by Unanimous Consent
   9. Dibakar Das 11-20-1666
      1. CID 3606, 3605, 3607 – revised,
      2. **Motion** 202011-17  
         Move to adopt the resolution depicted by document 11-20-1666r6 for CIDs 3606, 3607, 3616, 3620, 3886, 3700 (6 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.
      3. Moved Dibakar Das
      4. **Second** Assaf Kasher - tabled
   10. Nehru Bhandaru Presented 11-20-1749
       1. Motion: 202011-18  
          Move to adopt the resolution depicted by document 11-20-1666r6 for CIDs 3606, 3607, 3616, 3620, 3886, 3700 (6 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
          Moved: Nehru Bhandaru  
          Second: Ali Raissinia  
          Results: Approved by Unanimous Consent
   11. Nehru Bhandaru presented 11-20-1799
       1. FTM param ID
       2. Correction of the FTM param ID to restore to the value used in the baseline.
       3. Motion 2020-11-19  
          Move to adopt the text changes depicted by document 11-20-1799r1, instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
          Moved By: Nehru Bhandaru  
          Second by: Ali Raissinia  
          Results: Approved by Unanimous Consent
   12. Recess at 12:30 PST
   13. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/5 | Abdelaal, Rana | Broadcom Corporation |
| TGaz | 11/5 | Adhikari, Shubhodeep | Broadcom Corporation |
| TGaz | 11/5 | Agarwal, Peyush | Broadcom Corporation |
| TGaz | 11/5 | Agrawal, abhishek | ON Semiconductor |
| TGaz | 11/5 | Aldana, Carlos | Facebook |
| TGaz | 11/5 | An, Song-Haur | INDEPENDENT |
| TGaz | 11/5 | ANANDAKUMAR, KRISHNASAMY | Maxlinear Inc |
| TGaz | 11/5 | Asterjadhi, Alfred | Qualcomm Incorporated |
| TGaz | 11/5 | Au, Oscar | Origin Wireless |
| TGaz | 11/5 | Avital, Ziv | MaxLinear |
| TGaz | 11/5 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/5 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/5 | Banerjea, Raja | Qualcomm Incorporated |
| TGaz | 11/5 | Batra, Anuj | Apple, Inc. |
| TGaz | 11/5 | BECHADERGUE, Bastien | OLEDCOMM |
| TGaz | 11/5 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/5 | Berner, Stephan | pureLiFi |
| TGaz | 11/5 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/5 | Bredewoud, Albert | Broadcom Corporation |
| TGaz | 11/5 | Camps Soriano, Carlos | MaxLinear Corp |
| TGaz | 11/5 | Cepni, Gurkan | Apple, Inc. |
| TGaz | 11/5 | CHAN, YEE | Facebook |
| TGaz | 11/5 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/5 | Chen, Cheng | Intel Corporation |
| TGaz | 11/5 | Cheng, Paul | MediaTek Inc. |
| TGaz | 11/5 | Chu, Liwen | NXP Semiconductors |
| TGaz | 11/5 | Cohn, Daniel | Intel Corporation |
| TGaz | 11/5 | Das, Dibakar | Intel Corporation |
| TGaz | 11/5 | Ding, Yanyi | Panasonic Corporation |
| TGaz | 11/5 | Di Taranto, Rocco | Ericsson AB |
| TGaz | 11/5 | Duan, Ruchen | SAMSUNG |
| TGaz | 11/5 | Erceg, Vinko | Broadcom Corporation |
| TGaz | 11/5 | Ghaderipoor, Alireza | MediaTek Inc. |
| TGaz | 11/5 | Gidvani, Ravi | SAMSUNG |
| TGaz | 11/5 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/5 | Harrison, Edward | Anritsu Company |
| TGaz | 11/5 | Holland, Oliver | Advanced Wireless Technology Group (AWTG), Ltd. |
| TGaz | 11/5 | Hurtarte, Jeorge | Teradyne, Inc. |
| TGaz | 11/5 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/5 | Khan, Naseem | Leidos Engineering. LLC |
| TGaz | 11/5 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/5 | Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) |
| TGaz | 11/5 | Levitsky, Ilya | IITP RAS |
| TGaz | 11/5 | Li, Qinghua | Intel Corporation |
| TGaz | 11/5 | Lindskog, Erik | SAMSUNG |
| TGaz | 11/5 | Madpuwar, Girish | Broadcom Corporation |
| TGaz | 11/5 | Martinez Vazquez, Marcos | Maxlinear Corp |
| TGaz | 11/5 | Mazor, Nadav | Vayyar Ltd. |
| TGaz | 11/5 | Mehrnoush, Morteza | Facebook |
| TGaz | 11/5 | Memisoglu, Ebubekir | Istanbul Medipol University; Vestel |
| TGaz | 11/5 | Mirfakhraei, Khashayar | Cisco Systems, Inc. |
| TGaz | 11/5 | Monajemi, Pooya | Cisco Systems, Inc. |
| TGaz | 11/5 | Nam, Junyoung | Qualcomm Incorporated |
| TGaz | 11/5 | Nurani Krishnan, Neelakantan | Qualcomm Incorporated |
| TGaz | 11/5 | Orlik, Philip | Mitsubishi Electric Research Labs (MERL) |
| TGaz | 11/5 | OZDEN ZENGIN, OZLEM | VESTEL |
| TGaz | 11/5 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| TGaz | 11/5 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/5 | Perlmutter, Uri | Intel Corporation |
| TGaz | 11/5 | Popov, Mark | Vayyar |
| TGaz | 11/5 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/5 | Rege, Kiran | Perspecta Labs |
| TGaz | 11/5 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/5 | RISON, Mark | Samsung Cambridge Solution Centre |
| TGaz | 11/5 | Sadeghi, Bahareh | Intel Corporation |
| TGaz | 11/5 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/5 | Sevin, Julien | Canon Research Centre France |
| TGaz | 11/5 | Shellhammer, Stephen | Qualcomm Incorporated |
| TGaz | 11/5 | singla, Parul | Maxlinear Inc |
| TGaz | 11/5 | Stacey, Robert | Intel Corporation |
| TGaz | 11/5 | Su, Hang | Broadcom Corporation |
| TGaz | 11/5 | Sundaram, Rajesh | Broadcom Corporation |
| TGaz | 11/5 | Sundman, Dennis | Ericsson AB |
| TGaz | 11/5 | Tan, Danny | Huawei Technologies Co. Ltd |
| TGaz | 11/5 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/5 | Tian, Tao | Unisoc Comm. |
| TGaz | 11/5 | Uln, Kiran | Cypress Semiconductor Corporation |
| TGaz | 11/5 | Vermani, Sameer | Qualcomm Incorporated |
| TGaz | 11/5 | Vicent Colonques, Santiago | Maxlinear |
| TGaz | 11/5 | Vituri, Shlomi | Intel |
| TGaz | 11/5 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/5 | Wang, Qi | Apple, Inc. |
| TGaz | 11/5 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/5 | Wentink, Menzo | Qualcomm |
| TGaz | 11/5 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/5 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/5 | Yang, Lin | Qualcomm Incorporated |
| TGaz | 11/5 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/5 | Zhang, Hongyuan | Marvell Semiconductor, Inc. |
| TGaz | 11/5 | Zheng, Xiayu | NXP Semiconductors |
| TGaz | 11/5 | Zou, Tristan | Qualcomm Incorporated |

1. **TGaz – November 9th 2020** 
   1. Called to order by TGaz Chair, Jonathan Segev (Intel Corporation) and Vice Chair and secretary (active), Assaf Kasher (Qualcomm), at **10:30am PDT,**
   2. Agenda Doc. **IEEE 802.11-20/01570r9 (in progress - slide 31)**
   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: ~73 present
   4. Agenda (slide 64)
      1. Review submission to resolve CIDs
      2. Group comment resolution propose
      3. Consider LB249 CR completion and going to recirculation
      4. Submission pipeline
         1. 11-1666 - Misc CIDs clause 9 and 11 – Dibakar Das
         2. 11-1733 Phase shift feedback response – Erik Lindskog
         3. 11-1649 – LB249-Secure LTF and other CIDs - Ali Raissinia to present
         4. 11-1245 – x Power control for Non-TB Ranging - Christian Berger
         5. 11-1789 – Resolution for CID3099 LB249 - Ali Raissinia
         6. 11-20-1817 – Proposed resolution to 11az LB249 CID 3900 - Qi Wang
         7. 11-20-1820 CR for CID 3131 - Dibakar Das
   5. Dibakar Das presented 11-20-1666
      1. **Motion** 2020-11-17:   
         Move to adopt the resolution depicted by document 11-20-1666r6 for CIDs 3606, 3607, 3616, 3620, 3886, 3700 (6 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license   
         Moved: Dibakar Das  
         Second: Assaf Kasher  
         **Results**: 23/0/4
   6. Erik Lindskog presented 11-20-1733
      1. CID 3311 – Rejected – withdrawn by commenter
      2. **Motion**: 202011-20
      3. Move to adopt the resolution depicted by document 11-20-1733r3 for CIDs 3311 (1 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Erik Lindskog  
         Second: Qinghua Li  
         **Results**: Approved by Unanimous Consent
   7. Ali Raissinia presented 11-20-1649
      1. Changes presented
      2. Rev 05
      3. **Motion** 202011-21:  
         Move to adopt the resolution depicted by document 11-20-1649r5 for CIDs 3123, 3124, 3450, 3754, 3775, (5 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.”  
         Moved: Ali Raissinia  
         Second: Nehru Bhandaru  
         **Result**: Approved by Unanimous Consent
   8. Christian Berger presented 11-20-1245
      1. Changes from the version previously presented
      2. **Motion** 202011-23  
         Move to adopt the resolution depicted by document 11-20-1245r6 for CIDs 3883, 3893, 3245, 3269 (4 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.   
         Moved: Christian Berger  
         Second: Qinghua Li  
         **Results**: 15/0/15 motion passes
   9. Dibakar Das Presented 11-20-1820
      1. CID 3131 – rejected withdrawn
      2. **Motion**: 202011-24  
         Move to adopt the resolution depicted by document 11-20-1820r0 for CIDs 3131, (1 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
         Moved: Dibakar Das  
         Second: Qinghua Li  
         **Results**: Approved By Unanimous Consent
   10. Ali Raissinia presented 11-20-1789
       1. CID 3128, 3120
       2. **Motion** 202011-22  
          Move to adopt the resolution depicted by document 11-20-1789r4 for CIDs 3128, 3270, (2 CIDs), instruct the technical editor to incorporate it in the P802.11az draft and grant the editor editorial license.  
          Moved: Ali Raissinia  
          Second Assaf Kasher  
          **Results**: 20/4/6 motion passes
   11. Comment Resolution status:
       1. 10 comments remaining
       2. Resolved 540 Editorial
       3. Group is still in CR of LB249
   12. Scheduled Telecons: Nov 18, Dec 2
   13. Adjourned at 12:30 PST
   14. Attendance:

|  |  |  |  |
| --- | --- | --- | --- |
| TGaz | 11/9 | Abdelaal, Rana | Broadcom Corporation |
| TGaz | 11/9 | Abushattal, Abdelrahman | Istanbul Medipol University; Vestel |
| TGaz | 11/9 | Agrawal, abhishek | ON Semiconductor |
| TGaz | 11/9 | ANANDAKUMAR, KRISHNASAMY | Maxlinear Inc |
| TGaz | 11/9 | Au, Kwok Shum | Huawei Technologies Co.,  Ltd |
| TGaz | 11/9 | B, Hari Ram | NXP Semiconductors |
| TGaz | 11/9 | Bahn, Christy | IEEE STAFF |
| TGaz | 11/9 | Baik, Eugene | Qualcomm Incorporated |
| TGaz | 11/9 | Banerjea, Raja | Qualcomm Incorporated |
| TGaz | 11/9 | Bapat, Sanjay | Maxlinear |
| TGaz | 11/9 | BECHADERGUE, Bastien | OLEDCOMM |
| TGaz | 11/9 | Berger, Christian | NXP Semiconductors |
| TGaz | 11/9 | Bhandaru, Nehru | Broadcom Corporation |
| TGaz | 11/9 | Bims, Harry | Bims Laboratories, Inc. |
| TGaz | 11/9 | Bober, Lennert | Fraunhofer Heinrich Hertz Institute |
| TGaz | 11/9 | Bredewoud, Albert | Broadcom Corporation |
| TGaz | 11/9 | Cepni, Gurkan | Apple, Inc. |
| TGaz | 11/9 | Chayat, Naftali | Vayyar Imaging |
| TGaz | 11/9 | Chu, Liwen | NXP Semiconductors |
| TGaz | 11/9 | Das, Dibakar | Intel Corporation |
| TGaz | 11/9 | Das, Subir | Perspeacta Labs Inc |
| TGaz | 11/9 | de Vegt, Rolf | Qualcomm Incorporated |
| TGaz | 11/9 | Doostnejad, Roya | Intel Corporation |
| TGaz | 11/9 | Duan, Ruchen | SAMSUNG |
| TGaz | 11/9 | Fridman, Roi | Vayyar Imaging |
| TGaz | 11/9 | Garg, Lalit | Broadcom Corporation |
| TGaz | 11/9 | Ghaderipoor, Alireza | MediaTek Inc. |
| TGaz | 11/9 | Gidvani, Ravi | SAMSUNG |
| TGaz | 11/9 | Grandhe, Niranjan | NXP Semiconductors |
| TGaz | 11/9 | Harkins, Daniel | Hewlett Packard Enterprise |
| TGaz | 11/9 | Harrison, Edward | Anritsu Company |
| TGaz | 11/9 | Holland, Oliver | Advanced Wireless Technology Group (AWTG), Ltd. |
| TGaz | 11/9 | Hu, Chunyu | Facebook |
| TGaz | 11/9 | Hurtarte, Jeorge | Teradyne, Inc. |
| TGaz | 11/9 | Kadampot, Ishaque Ashar | Qualcomm Incorporated |
| TGaz | 11/9 | Kang, Sugbong | Apple, Inc. |
| TGaz | 11/9 | Kasher, Assaf | Qualcomm Incorporated |
| TGaz | 11/9 | Kedem, Oren | Intel Corporation |
| TGaz | 11/9 | Kim, Youhan | Qualcomm Incorporated |
| TGaz | 11/9 | kristem, vinod | Intel Corporation |
| TGaz | 11/9 | Li, Guoqing | Apple, Inc. |
| TGaz | 11/9 | Li, Qinghua | Intel Corporation |
| TGaz | 11/9 | Lorgeoux, Mikael | Canon Research Centre France |
| TGaz | 11/9 | Lou, Hui-Ling | NXP Semiconductors |
| TGaz | 11/9 | Montemurro, Michael | Huawei Technologies Co. Ltd |
| TGaz | 11/9 | Montreuil, Leo | Broadcom Corporation |
| TGaz | 11/9 | Namboodiri, Vamadevan | SAMSUNG ELECTRONICS |
| TGaz | 11/9 | Okada, Hiraku | Nagoya University |
| TGaz | 11/9 | Orlovsky, Michael | Vayyar Imaging LTD |
| TGaz | 11/9 | Ozbakis, Basak | Vestel Electronics Corp. |
| TGaz | 11/9 | OZDEN ZENGIN, OZLEM | VESTEL |
| TGaz | 11/9 | Palm, Stephen | Broadcom Corporation |
| TGaz | 11/9 | Perahia, Eldad | Hewlett Packard Enterprise |
| TGaz | 11/9 | Petry, Brian | Broadcom Corporation |
| TGaz | 11/9 | Raissinia, Alireza | Qualcomm Incorporated |
| TGaz | 11/9 | Rege, Kiran | Perspecta Labs |
| TGaz | 11/9 | Rezk, Meriam | Qualcomm Incorporated |
| TGaz | 11/9 | Roy, Richard | SRA |
| TGaz | 11/9 | Roy, Sayak | NXP Semiconductors |
| TGaz | 11/9 | Salman, Hanadi | Istanbul Medipol University; VESTEL |
| TGaz | 11/9 | Sandhu, Shivraj | Qualcomm Incorporated |
| TGaz | 11/9 | Schiessl, Sebastian | u-blox |
| TGaz | 11/9 | Segev, Jonathan | Intel Corporation |
| TGaz | 11/9 | Shellhammer, Stephen | Qualcomm Incorporated |
| TGaz | 11/9 | Sherlock, Ian | Texas Instruments Incorporated |
| TGaz | 11/9 | Son, Ju-Hyung | WILUS Inc. |
| TGaz | 11/9 | Srinivasan, Shree Raman | Qualcomm Incorporated |
| TGaz | 11/9 | Stacey, Robert | Intel Corporation |
| TGaz | 11/9 | Startsev, Ivan | IITP RAS |
| TGaz | 11/9 | Sun, Yanjun | Qualcomm Incorporated |
| TGaz | 11/9 | SURACI, FRANK | U.S. Department of Homeland Security |
| TGaz | 11/9 | THOUMY, Francois | Canon Research Centre France |
| TGaz | 11/9 | Tian, Bin | Qualcomm Incorporated |
| TGaz | 11/9 | Uln, Kiran | Cypress Semiconductor Corporation |
| TGaz | 11/9 | Venkatesan, Ganesh | Intel Corporation |
| TGaz | 11/9 | Vermani, Sameer | Qualcomm Incorporated |
| TGaz | 11/9 | Vicent Colonques, Santiago | Maxlinear |
| TGaz | 11/9 | Wang, Chao Chun | MediaTek Inc. |
| TGaz | 11/9 | Wang, Qi | Apple, Inc. |
| TGaz | 11/9 | Wang, Yi-Hsiu | Zeku |
| TGaz | 11/9 | Wendt, Matthias | Signify |
| TGaz | 11/9 | Wu, Kanke | Qualcomm Incorporated |
| TGaz | 11/9 | Wu, Tianyu | Apple, Inc. |
| TGaz | 11/9 | Zeng, Ruochen | NXP Semiconductors |
| TGaz | 11/9 | Zheng, Xiayu | NXP Semiconductors |
| TGaz | 11/9 | Zou, Tristan | Qualcomm Incorporated |

**References:**