IEEE P802.11  
Wireless LANs

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| Minutes of the IEEE P802.11 Full Working Group | | | | |
| Date: 2024-03-28 | | | | |
| Author(s): | | | | |
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Abstract

This document constitutes the minutes of the IEEE 802.11 full working group for the March 2024 session.

Please note that all affiliations at this session are shown in Annex A.

**Abbreviations:**

A: Answer

C: Comment

Q: Question

TG: Task Group

TIG: Topic Interest Group

SG: Study Group

**IEEE 802.11 Plenary Session #204**

**March 10th – 15th, 2024**

**IEEE 802.11 Opening Plenary, Monday March 11th, 2024**

Presiding chair: Dorothy Stanley (Hewlett Packard Enterprise) opened the meeting at 10:35 Mountain Daylight Time (MDT) and declared quorum for the session.

1st Vice-chair (VC1): Jon Rosdahl Qualcomm

2nd Vice-chair (VC2): Robert Stacey Intel

Secretary: Stephen McCann Huawei Technologies Co., Ltd

There are 556 Voters, 98 Aspirants, 78 Potential Voters and 11 Ex Officio voters of IEEE 802.11\*.

There were 179 people attending in person (in the room) and 512 recorded in the attendance tool (IMAT).

\*who ask to be recognized as such in the 802.11 voters list.

1. **Notices** (11-24-0276r1)
   1. Chair: Please note the information about the meeting decorum.
   2. Are there any members of the press present?
      1. None.
   3. IEEE SA Staff present:
      1. Christy Bahn.
   4. Please note that this session requires a registration fee to be paid.
2. **Approve/modify working group agenda** (11-24-0275r2)
   1. This is a summary of the meeting today. Please note the schedule for this session on the separate tab “Schedule Graphic”. There were a couple of updates from yesterday’s Chairs Advisory Committee (CAC) meeting.
   2. **Move to approve the agenda 11-24-0275r2 for the Monday opening plenary.**
      1. Moved: Jonathan Segev, 2nd: Ian Sherlock
      2. No objection to approving by unanimous consent.
3. **January 2024 WG Minutes**
   1. **Move to approve the January 2024 WG minutes document 11-24-0005r1.**
   2. Moved: Stephen McCann, 2nd: Stuart Kerry
   3. No objection to approving by unanimous consent.
4. **New Attendees**
   1. **Straw Poll: Are you a new attendee to IEEE 802.11?**
      1. Yes: 16
   2. There will be a New Members meeting this session on Monday March 11th at 13:30 MDT in room Centennial H. Everyone is welcome to join this meeting.
5. **Call for essential Patents** (11-24-0250r0)
   1. The current PatCom rules were read out, including the call for essential patents information, as shown by:
   2. <https://development.standards.ieee.org/myproject/Public/mytools/mob/patut.pdf>
      1. There were no issues raised regarding the call for essential patents.
      2. There were no responses to the call for essential patents.
      3. No questions.
6. **Participation and Attendance** (11-24-0250r0)
   1. The slides about IEEE 802 meeting participation and IEEE SA copyright were also read.
   2. Expected participant behavior was also announced.
   3. Remember to record your attendance for this meeting. To achieve 75%, which counts towards an attendance credit for the session, you must attend 12 meeting slots.
   4. Regarding slide #20, this is a reminder about the abstain vote.
7. **Announcements** (11-24-02756r1)
   1. **Liaisons** (slide #4)
      1. Chair: There are 2 new liaisons since the January 2024 meeting, both from ITU-T and they are assigned to the ITU ad-hoc for their consideration.
   2. **EC and IEEE-SA standard board decisions** (slides #5 and #6)
      1. Chair: These are some items regarding recent and upcoming EC meetings.
   3. **Joint meetings & reciprocal credit with IEEE 802 groups** (slide #8)
      1. Reminder that there are topics relevant to IEEE 802.11 to be covered in IEEE 802.18, IEEE 802.19, IEEE 802.24, IEEE 802.1 and IEEE 802 JTC1 SC.
      2. Please note that 802.18 meets on Tuesday AM2 and Thursday AM1 this week.
8. **Logistics and Key events/activities** (11-24-0208r0)
   1. Please remember not to connect to audio when you are present in the room signed-in to the Webex tool, including those who are running the meetings.
   2. This document contains logistical information about the venue:
   3. <https://mentor.ieee.org/802-ec/dcn/24/ec-24-0032-02-00EC-802-0324-thingstoknow-hyatt-regency-denver.pptx>
   4. There are also QR codes on the back of your badges that provide more information about the meeting schedule.
   5. Please remember to record your attendance in IMAT for each meeting you attend.
   6. Also remember to pay your registration fee for this meeting.
   7. The AV is provided by Encore this week. They have a desk near the registration desk. If you have any AV issues, please talk to them.
   8. There is an “IEEE 802 Milestone Preview Event” social on Wednesday evening here in the hotel. This social will also allow people to preview the IEEE 802 milestone plaque. Please note that you have been given a separate badge for this event.
   9. No questions.
9. **IEEE 802 Chair**
   1. I would like to add an agenda item about the IEEE 802 chair.
   2. No objection.
   3. IEEE 802 Chair: After 22 years I have decided not to stand for IEEE 802 chair this week.
   4. This is an opportunity for me to thank all of you for your efforts in 802.
   5. You do an incredible job and I would also like to thank your families to allow you to attend these meetings.
   6. Chair: I would also like to thank Paul Nikolich for all his support.
   7. No questions.
10. **Further Announcements** (11-24-0276r1)
    1. These slides also contain information about:
    2. Current 802.11 groups (slide #11).
    3. Other 802 meetings (slide #12).
    4. TGbf PAR expiry (slide #13).
    5. Current 802.11 officers (slide #15).
    6. 802.11 history slides. The next baseline 802.11-2024 should be finished this year from the TGme group (slide #17).
    7. Summary of ballots and comment collections (slide #18).
    8. Current status of voting members (slide #19).
    9. No questions.
11. **Timeline**
    1. This is a reminder about providing the secretary with any timeline updates.
    2. No questions.
12. **Group Summaries** (11-24-0249r1)
    1. Special notes were mentioned for the following groups:
    2. **Editors’ meeting and ANA** (slides #3 & #4)
       1. There is an editors’ meeting at 07:00 MDT on Tuesday morning.
       2. There have been some ANA changes since January 2024.
       3. No questions.
    3. **ARC SC** (slide #5)
       1. There are 2 meetings this session.
       2. There is a meeting on AM1 of 802REVc, which 802.11 is invited to.
       3. No questions.
    4. **Coex** **SC** (slide #7)
       1. This standing committee will meet twice this session. In addition, there is a joint meeting with the 802.15.4ab TG on Tuesday evening.
       2. No questions.
    5. **PAR** **SC** (slide #9)
       1. There are several meetings this week, as shown in the slides. There are 4 PARs for consideration this week, and 2 of them are from 802.11. The two 802.11 PARs will not be considered in our meeting.
       2. No questions.
    6. **WNG** **SC** (slide #10)
       1. There are 4 presentations this week in the Tuesday AM1 slot.
       2. No questions.
    7. **JTC1** **SC** (slide #11)
       1. There is 1 meeting during this session. IEEE 802.3-2022 is now moving forward, but there are still issues with the 802.11 documents.
       2. No questions.
    8. **TGme** (slide #14)
       1. The Draft D5.0 SA recirculation ballot has just completed. The work this week will be to resolve the 250 (or so) comments. There is a possibility that one of the 6 meetings this week will be cancelled.
       2. No questions.
    9. **TGbe** (slide #15)
       1. The initial SA ballot has completed and this week will be spent resolving comments from that ballot. The approval rate was about 82%.
       2. No questions.
    10. **TGbf** (slide #17)
        1. About 90% of the comments from LB281 have been resolved and hopefully they can be completed this session. The plan is to have 7 meetings this week.
        2. No questions.
    11. **TGbh** (slide #21)
        1. The 2nd WG re-circulation letter ballot (LB283) completed with an approval rate of 97.7% and the work this session will be to continue working on comment resolutions.
        2. No questions.
    12. **TGbi** (slide #22)
        1. The group is aiming to create an initial draft this session. It is hoped to have a comment collection on this draft. There are 4 meetings this session.
        2. No questions.
    13. **TGbk** (slide #23)
        1. The initial letter ballot LB279 was completed last year and the group will still be working on received comments.
        2. No questions.
    14. **TGbn** (slide #27)
        1. There have been 8 teleconferences since the January 2024 meeting and there is still a lot of work to be covered this week with about 150 submissions in the queue.
        2. No questions.
    15. **AMP SG** (slide #29)
        1. There will be 5 meetings this session for discussions about ambient power technology.
        2. No questions.
    16. **IMMW SG** (slide #31)
        1. There are 2 meetings this session.
        2. The work this session will be to finalize an IMMW PAR and the associated CSD.
        3. No questions.
    17. **AIML TIG** (slide #32)
        1. The group will discuss the scope of the activity and propose a way forward. There are 3 meetings this week.
        2. No questions.
    18. **ITU ad-hoc** (slide #34)
        1. There is one meeting this session.
        2. No questions.
13. **Other Questions**
    1. There are some remote people who are not hearing some of the speakers very well.
    2. Please remember to speak up when you use the microphone.
    3. In addition, please can you check your name and affiliation in the Webex tool. Please see the Webex etiquette instructions on the 802.11 website (<https://www.ieee802.org/11/teleconsRules.html>) for more information.
14. **Nominations for the WG Chair** (11-24-0276r1 slide #24)
    1. Chair: I will not be seeking re-election this time.
    2. Nominations are now open. Please can people come forward.
    3. C: I’d like to nominate myself (Robert Stacey) for the chair position.
    4. C: I’d like to nominate myself (Stephen McCann) for the chair position.
15. **Nominations for the Vice Chair**
    1. Chair: Please can people come to nominate.
    2. C: I’d like to nominate myself (Mark Hamilton).
    3. C: I’d like to nominate myself (Jon Rosdahl).
    4. C: I’d like to nominate myself (Robert Stacey), if not elected as chair.
    5. C: I’d like to nominate myself (Stephen McCann), if not elected as chair.
    6. Chair: The nominations are now closed.
    7. Q: So, what happens now?
    8. Chair: We shall have a short period of questions and answers. The election will occur during the Wednesday IEEE 802.11 mid-week plenary.
    9. The nominees made the following presentations:
    10. **Robert Stacey** (11-24-0558r0)
    11. No questions.
    12. **Stephen McCann** (11-24-0551r0)
    13. Q: Sometimes you use Huawei and sometimes you have a longer affiliation. Which one is correct?
    14. A: I use Huawei as shorthand for Huawei Technologies Co., Ltd. I would also like to state that I am a contractor for Huawei Technologies Co., Ltd, Canada.
    15. **Mark Hamilton** (11-24-0559r1)
    16. No questions.
    17. **Jon Rosdahl** (11-24-0565r0)
    18. No questions.
    19. Chair: The discussions are now closed.
16. **DirectVote Live** (11-24-0159r1)
    1. This is a test of the Direct Vote Live (DVL) tool. Everyone should have received an email with a link to the DVL tool.
    2. Chair: Please can you open the first motion?
    3. Q: I am voting member of 802.11 and 802.15. I only see the 802.15 motions in the DVL tool.
    4. A: We can address that issue offline.
    5. Chair: I will step through the first motion for all of you. Please follow along.
    6. Hopefully you can now see the results.
    7. Chair: How many people had an issue?
    8. A: There were about 20 people with issues.
    9. Chair: I’d also like you to try the DVL link that is now in the Webex chat window.
17. **Announcements** (11-24-0276r1)
    1. **Individual Experts Fee Waiver (**slide #27)
    2. The following people are designated as individual experts and have their fees waived for attendance at the one WNG timeslot only:

* Prof. Kevin Gifford - Research Professor - kevin.gifford@colorado.edu
* Dr. Stefan Tschimben - Research Associate - stefan.tschimben@colorado.edu
* Dr. Mark Lofquist - Research Associate/Lecturer - mark.lofquist@colorado.edu
* Isabella Bates - Student Assistant - isabella.bates@colorado.edu
  1. **Rules change** (slide #29)
  2. Chair: There is a possible rule change as shown on this slide. This will be discussed in the Friday closing plenary.

1. **Recess**
   1. Chair: We are now in recess.
   2. The meeting recessed at 10:30 MDT.

**Wednesday, March 13th, 2024**

**IEEE 802.11 Mid-week Plenary**

Call to order at 13:31 MDT by Dorothy Stanley (HPE).

There were 179 attending in person (in the room) and 474 on Webex (519 IMAT).

1. **Approve/modify working group agenda** (11-24-0275r3)
   1. Chair: There have been some schedule changes to the agenda since the opening plenary.
   2. **Approve the agenda for today’s meeting as shown in 11-24-0275r3.**
   3. Q: Can I request an agenda item about room temperature?
   4. Chair: Yes, we can include this item in AOB.
      1. Moved: Richard Kennedy, 2nd: Marc Emmelmann
      2. No objection to approving by unanimous consent.
2. **Announcements** (11-24-0277r0)
   1. **Code of conduct** (slide #4)
      1. These are the codes of conduct for the session.
      2. No questions.
   2. **Call for essential patents** (slide #9)
      1. This is the Call for Essential Patents.
      2. No statements.
      3. No questions.
   3. **Meeting decorum** (slide #10)
      1. No members of the press are present.
      2. No questions.
   4. **Additional designated experts** (slide #11)
      1. Chair: I know of no more experts at this time.
   5. **Social**
      1. Please obtain a separate ticket for the social. There are a few tickets left at the start of this meeting. The social starts at 6.30pm. There will be some surprises at the event.
3. **Timeline**
   1. No major changes to any dates at the moment. Please let the secretary know of any changes this week.
   2. No questions.
4. **Wi-Fi Alliance Liaison** (11-24-0475r0)
   1. The next Wi-Fi Alliance (WFA) meeting will be in Austin in May 2024.
   2. The WFA have created a subsidiary called the Wi-Fi Alliance Services (see slide #2) for Automated Frequency Coordination (AFC). They have now demonstrated an initial system.
   3. Some activities include:
      1. Wi-Fi 7
      2. QoS Management
      3. EasyMesh
   4. No questions.
5. **IETF Liaison** (11-24-0562r0)
   1. The next meeting will be next week in Brisbane in March 2024.
   2. Several IETF groups that may have an impact on IEEE 802.11 are mentioned.
   3. No questions.
6. **IEEE 802.15 Liaison** (11-24-0221r0)
   1. This document summarizes the discussion topics within IEEE 802.15 meetings, especially those that are relevant to 802.11.
   2. Slide #3 shows that 2 new 802.15 standards are now available.
   3. No questions.
7. **IEEE 802.18 Liaison** (11-24-0216r0)
   1. This document summarizes the discussion topics within IEEE 802.18 meetings, especially those that are relevant to 802.11.
   2. C: I would like to thank Edward for all his activities within 802.18, many of which are directly relevant to 802.11 regulatory topics.
   3. No questions.
8. **IEEE 802.19 Liaison** (11-24-0592r0)
   1. This document summarizes the discussion topics within IEEE 802.19 meetings, especially those that are relevant to 802.11.
   2. No questions.
9. **Working Group Motions (PAR/CSDs)** (11-24-0240r0)
   1. DirectVoteLive is used for the working group motions.
   2. **Motion 1: P802.11bf PAR modification**
      1. **Approve the P802.11bf PAR in https://mentor.ieee.org/802.11/dcn/23/11-23-2095-02-00bf-enhancements-for-wlan-sensing-par.docx.**
      2. Moved on behalf of TGbf by Tony Xiao Han, 2nd: Dave Halasz
      3. Q: How long do we have on Direct Vote Live (DVL) to vote?
      4. A: About 1 minute
      5. C: I did not receive an email from DVL this time.
      6. Chair: Let’s finish this motion and we can address the issue
      7. Result: Yes: 301, No: 4, Abstain: 30 (motion passes)
      8. Q: Are the abstains from people who clicked an abstain button?
      9. Chair: Yes. You can also see the non-voter figures within the DVL tool.
      10. [TGbf: Move: Claudio da Silva, Second: Sang Kim, Result: (17Y/ 0N/ 2A)]
   3. **Motion 2: P802.11bp PAR**
      1. **Approve the P802.11bp PAR in**
      2. **https://mentor.ieee.org/802.11/dcn/24/11-24-0575-00-0amp-p802-11bp-par.pdf as modified by the PAR comment resolutions in https://mentor.ieee.org/802.11/dcn/24/11-24-0479-05-0amp-amp-par-csd-comments-and-resolutions.pptx.**
      3. Moved on behalf of AMP SG by Bo Sun, 2nd: Rakesh Taori
      4. Q: I added a technical comment about co-existence to the PAR.
      5. Chair: There was some discussion, but no changes were made to the PAR.
      6. Result: Yes: 299, No: 6, Abstain: 49 (motion passes)
      7. [AMP SG: Moved: Zhanjing Bao, Second: Yinan Qi Yes:30, No:0, Abstain:0]
   4. **Motion 3: P802.11bp CSD**
      1. **Approve the P802.11bp CSD in https://mentor.ieee.org/802.11/dcn/23/11-23-1212-04-0amp-ieee-802-11-amp-sg-proposed-csd.docx.**
      2. Moved on behalf of AMP SG by Bo Sun, 2nd: Xiaofei Wang
      3. Result: Yes: 243, No: 4, Abstain: 48 (motion passes)
      4. [AMP SG: Moved: Rolf De Vegt, Second: Yinan Qi, Yes:31, No:0, Abstain:1]
10. **WG Officer Elections** (11-24-0274r0)
    1. Chair: Please can you read the instructions on the slide to understand the voting process.
    2. **Chair**
    3. **Vote for one person:**
    4. **(a) Robert Stacey - 214**
    5. **(b) Stephen McCann - 174**
    6. Chair: Therefore, Robert Stacey is elected IEEE 802.11 chair.
    7. There now needs to be a confirmation motion.
    8. **Motion 4: WG11 Chair Confirmation**
       1. **Confirm Robert Stacey as the IEEE 802.11 Working Group chair**
       2. Moved: Stephen McCann, 2nd: Jon Rosdahl
       3. C: This voting tool is being very slow
       4. For: 336, Against: 17, Abstain: 30 (Motion passes)
    9. **Vice-chairs**
    10. **Vote for 1 person:**
    11. **(a) Jon Rosdahl - 208**
    12. **(b) Mark Hamilton - 39**
    13. **(c) Stephen McCann - 164**
    14. Chair: Therefore, Jon Rosdahl is elected as one IEEE 802.11 vice-chair.
    15. **Motion 5: WG11 Chair Confirmation - 1**
        1. **Confirm Jon Rosdahl as IEEE 802.11 Working Group Vice Chair.**
        2. Moved: Rich Kennedy, 2nd: Dan Harkins
        3. For: 357, Against: 16, Abstain: 18 (Motion passes)
    16. **Vote for 1 person:**
    17. **(a) Mark Hamilton – 95**
    18. **(b) Stephen McCann - 296**
    19. Chair: Therefore, Stephen McCann is elected as one IEEE 802.11 vice-chair.
    20. There now needs to be a confirmation motion.
    21. **Motion 6: WG11 Chair Confirmation - 2**
        1. **Confirm Stephen McCann as IEEE 802.11 Working Group Vice Chair.**
        2. Moved: Robert Stacey, 2nd: Marc Emmelmann
        3. For: 338, Against: 6, Abstain: 10 (Motion passes)
11. **Working Group Motions (AIML)**
    1. **Motion 7: Confirm AIML SC**
       1. **Confirm formation of the AIML Standing Committee (SC) as described on slide 4 in** [**https://mentor.ieee.org/802.11/dcn/24/11-24-0514-00-aiml-aiml-sc-proposed-scope.pptx**](https://mentor.ieee.org/802.11/dcn/24/11-24-0514-00-aiml-aiml-sc-proposed-scope.pptx)**.**
       2. Moved: Xiaofei Wang, 2nd: Juan Carlos Zuniga
       3. Result: Yes: 241, No: 29, Abstain: 30 (motion passes)
       4. [AIML TIG: Moved: JC Zuniga, 2nd: Harry Bims, Result: 80/6/9]
    2. **Motion 8: Confirm AIML SC Chair**
       1. **Confirm Xiaofei Wang as AIML Standing Committee (SC) Chair.**
       2. Moved: Rich Kennedy, 2nd: Ray Yang
       3. Unanimous Consent (motion passes)
12. **Present for Dorothy Stanley**
    1. There was a short presentation for Dorothy of an IEEE Turkey Executive Committee Award Award from Tuncer Baykas for her efforts to promote IEEE Standards in Turkey.
13. **Any other Business (AoB)**
    1. **Agenda graphic request**
    2. Q: Please can I have a slot on Thursday for TGbk.
    3. Chair: Perhaps you can use some of the AM2 PAR SC slot tomorrow.
    4. No objection.
    5. **Room temperature**
    6. C: Please can I request the new leadership to take room temperatures into account in future meetings.
    7. New chair candidate: Yes, I will consider this issue.
14. **Recess**
    1. Meeting recessed at 15:17 MDT.
15. **TGbc Awards** (11-24-0583r1)
    1. The WG chair and the TGbc chair presented IEEE-SA awards to TGbc contributors, please see <https://mentor.ieee.org/802.11/dcn/23/11-23-0601-01-00bc-ieee-p802-11bc-enhancements-for-broadcast-services-computer-society-webinar.pptx> .

**Friday, March 15th, 2024**

**IEEE 802.11 Closing Plenary**

Call to order at 08:00 MDT by Dorothy Stanley (HPE).

There were 74 people in the meeting (in the room) and 241 on Webex (335 IMAT).

1. **Approve/modify working group agenda** (11-24-0275r5)
   1. Chair: There have been some minor changes to the agenda since the mid-week plenary.
   2. **Approve the agenda for today’s meeting as shown in 11-24-0275r5.**
      1. Moved: Jonathan Segev, 2nd: Rich Kennedy
      2. No objection to approving by unanimous consent.
2. **Announcements** (11-24-0277r1)
   1. **Participation** (slide #15)
      1. Please can you all remember to read this slide and understand that everyone is here as an individual subject matter expert.
   2. **Call for Essential Patents** (slide #16)
      1. This is the Call for Essential Patents.
      2. No statements.
      3. No questions.
   3. **Meeting Decorum** (slide #17)
      1. No questions.
   4. **Next session and CAC meetings** (slide #18)
      1. The next session of the IEEE 802.11 working group is from May 12-17, 2024. It will be a mixed mode session in Warsaw.
      2. Please be aware of the chair’s committee meetings (CAC), the first one of which will be on April 8th at 09:00 ET. Please note the deadline for the sub-group agendas.
   5. **Individual Experts** (slide #19)
      1. Chair: There have been no changes to this slide since Wednesday.
      2. No questions.
   6. **Yangsters Group (802.1)**
      1. This group is responsible for discussing common practice for YANG models supporting IEEE 802 protocols. This common practice includes, but is not limited to, URN root, style, structure, tooling and process. While the primary attendees are expected to be editors of existing IEEE 802 YANG projects, other experts interested in YANG are welcome.
      2. YANGsters meet every two weeks, on a Tuesday teleconference, 10:00-11:00 ET. The next meeting is on Tuesday, March 26, 2024, 10:00-11:00 ET.
      3. Additional information on the YANGsters calls can be found at <https://1.ieee802.org/yangsters/yangsters-call-information> and on the 802.1 calendar at <https://1.ieee802.org/wg-calendar>.
      4. They are working on YANG best practices in IEEE 802 and it would be interesting to know if there are any opportunities to use YANG in 802.11.
      5. C: This needs to be discussed further between the 802.11 subgroup chairs.
      6. No questions.
   7. **Minutes reminder**
      1. Secretary: Please can all sub-group chairs remember that their minutes should be posted to the server within 30 days of the completion of this session.
      2. No questions.
   8. **Letters of Assurance (LoA)** (slide #19)
      1. Chair: I received a notification from Communications LLC. I have sent that company the relevant information.
      2. No questions.
   9. **IEEE Store and ISO SC6** (slides #21 - #22)
      1. Chair: The IEEE staff member is checking that the IEEE store is updated.
      2. No questions.
   10. **Social Media** (slide #23)
       1. There are several recent updates to the social media blogs. Please look at the blog references mentioned on the slide.
       2. No questions.
   11. **IEEE 802 Public Visibility Standing Committee** (slide #24)
       1. This IEEE 802 group is designed to increase the external visibility of IEEE 802.
       2. No questions.
   12. **IEEE 802.11 Public Visibility Events** (slide #25)
       1. There was a webinar about 802.11 for the IEEE guest program on January 24th entitled “IEEE GEPS Webinar on 802.11”. IEEE GEPS is the IEEE Government Engagement Program on Standards.
       2. No questions.
3. **Treasury Report** (ec-24-0007r3)
   1. VC1: This shows the treasurers’ report and is correct as of March 9th, 2024.
   2. At the moment, the income from the Panama meeting (January 2024) has not been accounted for.
   3. Please remember to pay your registration fees for our meetings.
   4. Regarding deadbeats, there is 1 new name that was added to the list, as a result of the January 2024 meeting.
   5. Registration fees for the November 2024 plenary will be discussed during today’s IEEE 802 EC meeting.
   6. Q: Thank you for the clear announcement about the May 2024 meeting regarding food and beverages.
4. **March 2024 Venue Straw Polls** (11-24-0208r3 - slide #22)
   1. Only people present in the room were asked to participate in the following straw polls:
   2. **1. How many people would like to come back to this venue?** 
      1. Yes: 52
      2. No: 2
   3. **2. Did you go to the social?**
      1. Yes: 58
      2. No: 10
   4. **3. If you attended the social, did you like the social?**
      1. Yes: 38
      2. No: 11
5. **Future Venues Manager Report** (ec-24-0006r4)
   1. These are some updates for the future interims and plenaries in 2025 – 2027, which are now being populated.
   2. Slide #7 shows the interims and we are gradually finalizing the future venues over the next couple of years.
   3. Slide #4 shows the future plenaries.
   4. The July 2025 has a change in the date to accommodate the IETF meeting that is in the same venue the week before.
   5. No questions.
6. **Timeline update**
   1. There will be some small updates to a couple of task groups, but nothing substantial. These will be reflected in the timeline chart shortly: <https://www.ieee802.org/11/Reports/802.11_Timelines.htm>.
   2. No questions.
7. **Attendance statistics** (11-24-0251r1 slide #4)
   1. VC-2: These slides are a summary of the attendance statistics and sub-group activities during this session. The numbers have been increasing slowly over the last couple of years and this session is a historic high for IEEE 802.11. It was 556 at the start of this week. However, there may some new members this week and those who lost their voting rights.
   2. Q: I noticed that several people attended a cancelled meeting.
   3. A: Noted.
8. **WG Closing Reports** (11-24-0251r1)
   1. **Editors** (slide #13)
      1. Slide #16 shows the current amendment ordering. There has been no change this meeting.
      2. No questions.
   2. **ARC SC** (slide #19)
      1. The group discussed the IEEE Std 802 revision activity (P802REVc).
      2. Discussions about the term “non-infrastructure BSS” and Annex G also continued.
      3. There was discussion of possible future work regarding end to end QoS.
   3. **Coex SC** (slide #27)
      1. There was a joint discussion with 802.15.4ab this session and 7 submissions were presented in the main Coex meetings. Other topics include ETSI BRAN, Bluetooth SIG, AFC tutorial.
      2. There is a future teleconference planned with 802.15.4ab on April 30th at 09:00 ET (slide #35).
      3. No questions.
   4. **PAR SC** (slide #38)
      1. The meeting reviewed two PARs from other working groups (WGs). The 802.11 comments were provided back to those WGs.
      2. No questions.
   5. **WNG SC** (slide #49)
      1. There were 4 presentations this week:
      2. “Wi-Fi AFC Spectrum Sharing for Radio Astronomy,” Kevin Gifford, Stefan Tschimben, Mark Lofquist (University of Colorado – Boulder) **24/0567r0**
      3. “Modeling and Generation of Realistic Network Activity,” Stefan Tschimben, Isabella Bates (University of Colorado – Boulder) **24/0548r0**
      4. “WLAN for High-Mobility Users,” Azin Neishaboori (General Motors) **24/0378r0**
      5. “Data offload using WLAN in connected vehicle case,“ Jing Ma (Toyota Motor Corporation) **24/415r1**
      6. No questions.
   6. **JTC1 SC** (slide #42)
      1. The meeting covered the status of various IEEE 802 amendments going through the PSDO process.
      2. There are still some IPR issues that are slowing progress between IEEE 802.11 and ISO.
      3. No questions.
   7. **TGme** (slide #45)
      1. This session, the group has worked on comment resolutions from the SA ballot re-circulation.
      2. There will be an REVme ad-hoc in April 2024 in San Diego.
      3. No questions.
   8. **TGbe** (slide #49)
      1. There were 5 meetings this session resolving about 60% of the comments from the initial SA ballot.
      2. No questions.
   9. **TGbf** (slide #53)
      1. Comment resolutions from the previous D3.0 letter ballot (LB281) were completed.
      2. There will be a motion to proceed to the initial SA ballot in this meeting.
      3. Chair: Once the conditional SA ballot has been approved by the EC, the group transitions into a comment resolution committee (CRC) and does not need to come back to the WG for approval of motions and teleconference. This also applies to TGbh
      4. No questions.
   10. **TGbh** (slide #58)
       1. The group has finished comment resolutions on D3.0 from letter ballot LB283.
       2. There will be a motion to proceed to initial SA ballot in this meeting.
       3. No questions.
   11. **TGbi** (slide #63)
       1. The group met 5 times this week and reviewed several technical submissions. The plan is to create a D0.4 after the next teleconference and then start a comment collection at the end of the May 2024 meeting.
       2. No questions.
   12. **TGbk** (slide #67)
       1. The group has completed comment resolutions from LB279. There will be a motion later in this meeting to request a 1st recirculation letter ballot.
       2. No questions.
   13. **TGbn** (slide #73)
       1. There were 45 contributions presented in 7 meetings during this session.
       2. No questions.
   14. **AMP SG** (slide #77)
       1. There were 5 meetings of this study group during the session, discussing various technical documents.
       2. The group expects to present the PAR and CSD in the 802 LMSC meeting later today.
       3. No questions.
   15. **IMMW SG** (slide #80)
       1. There were 7 contributions discussed during the week.
       2. A PAR document has been developed and it is hoped to complete this in May 2024.
       3. No questions.
   16. **AIML TIG** (slide #83)
       1. There was 1 meeting during the session.
       2. It was decided to move forward with a new AIML standing committee (SC).
       3. A final version of the AIML TIG technical report was approved.
       4. No questions.
   17. **ITU Ad-Hoc** (slide #86)
       1. There was one meeting during the week and the main topics were the discussion of items regarding ITU-R WP5A and a proposed response to ITU SG-15.
       2. No questions.
9. **IEEE 802.24 Liaison** (24-24-0010r0)
   1. This document summarizes the current status of the work within IEEE 802.24.
   2. Updates to some of the whitepapers were discussed and will be shortly published on IEEE Xplore.
   3. Chair: I thank the 802.24 chair for developing these whitepapers in the area of IoT.
   4. Q: Will there be a whitepaper about 802.11 and TSN.
   5. A: There is a whitepaper about 802.1 and TSN, but not 802.11. This is something we can consider in the future.
   6. No questions.
10. **Break**
    1. Chair: Let’s continue with the meeting.
11. **Working Group Motions** (11-24-0240r3)
    1. Chair: Once again, the DirectVoteLive tool will be used.
    2. **Motion 9: P802.11bf re-circulation letter ballot**
       1. **Having approved comment resolutions for all of the comments received from LB281 on P802.11bf D3.0 as contained in document 11-24/0028r14,**
       2. [**https://mentor.ieee.org/802.11/dcn/24/11-24-0028-14-00bf-lb281-comments-and-approved-resolutions.xlsx**](https://mentor.ieee.org/802.11/dcn/24/11-24-0028-14-00bf-lb281-comments-and-approved-resolutions.xlsx)
       3. **Instruct the editor to prepare P802.11bf D4.0 incorporating these resolutions and,**
       4. **Approve a 15 day Working Group Recirculation Ballot asking the question “Should P802.11bf D4.0 be forwarded to SA Ballot?”**
       5. Moved on behalf of TGbf by Tony Xiao Han
       6. Result: Unanimous Consent (motion passes)
       7. [TGbf: Moved: Claudio da Silva, 2nd: Sang Kim, Result: (15Y/ 0N/ 1A)]
    3. **Motion 10: P802.11bf Report to EC**
       1. **Approve document 11-24-0419r6 as the report to the IEEE 802 Executive Committee on the requirements for conditional approval to forward P802.11bf to SA ballot, and grant editorial license to the WG chair.**
       2. Moved on behalf of TGbf by Tony Xiao Han, 2nd: Lei Wang
       3. Result: Yes: 102, No: 1, Abstain: 8 (Motion passes)
       4. [TGbf: Moved: Sang Kim, 2nd: Naren Gerile, Result: (14Y/ 0N/ 2A)]
    4. **Motion 11: P802.11bf Conditional SA Ballot**
       1. **Request the IEEE 802 Executive Committee to conditionally approve forwarding P802.11bf to SA ballot.**
       2. Moved on behalf of TGbf by Tony Xiao Han, 2nd: Ian Sherlock
       3. Result: Yes: 111, No: 1, Abstain: 5 (Motion passes)
       4. [TGbf: Moved: Claudio da Silva, 2nd: Sang Kim, Result: (15Y/ 0N/ 1A)]
    5. **Motion 12: P802.11bf CSD Re-affirmation**
       1. **Re-affirm the P802.11bf CSD in ec-20-0203r0 -** [**https://mentor.ieee.org/802-ec/dcn/20/ec-20-0203-00-ACSD-p802-11bf.docx**](https://mentor.ieee.org/802-ec/dcn/20/ec-20-0203-00-ACSD-p802-11bf.docx)
       2. Moved on behalf of TGbf by Tony Xiao Han, 2nd: Sang Kim
       3. Result: Yes: 115, No: 1, Abstain: 6 (Motion passes)
       4. [TGbf: Moved: Claudio da Silva, 2nd: Sang Kim, Result: (16Y/ 0N/ 1A)]
    6. **Motion 13: P802.11bh recirculation letter ballot**
       1. **Having approved comment resolutions for all of the comments received from LB 283 on P802.11bh D3.0, as contained in** [**11-24/0380r2**](https://mentor.ieee.org/802.11/dcn/24/11-24-0380-02-00bh-ieee-802-11bh-lb283-comments.xlsx)**,**

**Instruct the editor to prepare P802.11bh D4.0 incorporating those changes, and**

**Approve a 15 day Working Group Recirculation Ballot asking the question “Should P802.11bh D4.0 be forwarded to SA Ballot?”**

* + 1. Moved by Mark Hamilton on behalf of TGbh
    2. Result: Unanimous consent (Motion passes)
    3. [TGbh: Moved: Stephen Orr, 2nd: Carol Ansley, Result: 10/0/0]
  1. **Motion 14: P802.11bh Report to EC**
     1. **Approve document** [**11-24/0181r2**](https://mentor.ieee.org/802.11/dcn/24/11-24-0181-02-00bh-tgbh-report-to-ec-on-conditional-approval-to-go-to-sa-ballot.pptx) **as the report to the IEEE 802 Executive Committee (EC) on the requirements for conditional approval to forward P802.11bh to SA Ballot, and grant editorial license to the WG chair.**
     2. Moved by Mark Hamilton on behalf of TGbh, 2nd: Stephen Palm
     3. Result: Yes: 113, No: 0, Abstain: 8 (Motion passes)
     4. [TGbh: Moved: Peter Yee, 2nd: Luther Smith, Result: 11/0/0]
  2. **Motion 15: P802.11bh Conditional SA Ballot**
     1. **Request the IEEE 802 Executive Committee to conditionally approve forwarding P802.11bh to SA Ballot.**
     2. Moved by Mark Hamilton on behalf of TGbh, 2nd: Luther Smith
     3. Result: Yes: 105, No: 0, Abstain: 5 (Motion passes)
     4. [TGbh: Moved: Jerome Henry, 2nd: Stephen Orr, Result: 10/1/0]
  3. **Motion 16: P802.11bh PAR re-affirmation**
     1. **Re-affirm the P802.11bh PAR in document** [**https://grouper.ieee.org/groups/802/11/PARs/P802.11bh.pdf**](https://grouper.ieee.org/groups/802/11/PARs/P802.11bh.pdf)
     2. Moved by Mark Hamilton on behalf of TGbh, 2nd: Joseph Levy
     3. Result: Yes: 98, No: 1, Abstain: 1 (Motion passes)
     4. [TGbh: Moved: Stephen McCann, 2nd: Peter Yee, Result: 10/0/1]
  4. **Motion 17: P802.11bh CSD re-affirmation**
     1. **Re-affirm the P802.11bh CSD in document** [**https://mentor.ieee.org/802-ec/dcn/22/ec-22-0088-00-ACSD-p802-11bh.pdf**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0088-00-ACSD-p802-11bh.pdf)
     2. Moved by Mark Hamilton on behalf of TGbh, 2nd: Xiaofei Wang
     3. Result: Yes: 103, No: 1, Abstain: 3 (Motion passes)
     4. (Note, no CAD, per CSD 1.1.2)
     5. [TGbh: Moved: Peter Yee, 2nd: Jerome Henry, Result: 11/0/1]
  5. **Motion 18: P802.11bk recirculation letter ballot**
     1. **Having approved comment resolutions for all of the comments received from LB279 on P802.11bk D1.0 as contained in documents 11-24-13r7, 11-24-232r2, 11-24-574r1, 11-24-607r1 and 11-24-601r4,**

**Instruct the editor to prepare D2.0 incorporating these resolutions and,**

**Approve a 15 day Working Group Recirculation Ballot asking the question “Should P802.11bk D2.0 be forwarded to SA Ballot?”**

* + 1. Moved by Jonanthan Segev on behalf of TGbk
    2. Result: Unanimous consent (Motion passes)
    3. [TGbh: Moved: Roy Want, 2nd: Dibakar Das, Result: 8/0/1]
  1. **Motion 19: ITU ad-hoc liaison**
     1. **Approve the liaison document** [**https://mentor.ieee.org/802.11/dcn/24/11-24-0605-01-0itu-proposed-response-to-sg15-ls76-on-new-version-of-the-hnt-standards-overview-and-work-plan.docx**](https://mentor.ieee.org/802.11/dcn/24/11-24-0605-01-0itu-proposed-response-to-sg15-ls76-on-new-version-of-the-hnt-standards-overview-and-work-plan.docx) **and request the WG chair to forward it to ITU-T SG 15, granting the WG chair editorial license.**
     2. Moved: Hassan Yaghoobi, 2nd: Rich Kennedy
     3. Result: Yes: 96, No: 1, Abstain: 17 (Motion passes)
     4. Q: I notice that the “cc” person on the liaison is not correct and needs to be updated.
     5. Chair: yes, that will be corrected, before the liaison is sent.

1. **In person attendance credit** (ec-24-0059r2 slide #10)
   1. The LMSC rules meeting last Sunday discussed this modification to the attendance credit rules. Each WG and TAGs were requested to obtain feedback, prior to the IEEE 802 EC meeting this afternoon.
   2. C: On slide #11, it implies that someone can attend a venue in-person and then stay in their hotel room at the venue. There are many advantages of attending remotely.
   3. C: I think that allowing a hybrid meeting is good. However, I think we have moved on from the pandemic and I think hybrid meetings should be the norm moving forward. It also allows a wider audience to participate. Hybrid meetings allow participants to decide whether they wish to attend in person or not. Other SDOs now operate hybrid meetings all the time.
   4. C: I think this is a great topic to discuss. However, many people have already left this meeting or are travelling home. Perhaps a straw poll in the mid-week plenary would be more appropriate.
   5. Chair: I think we do have significant attendance at this meeting with 240 people on the Webex.
   6. C: Visas are a major concern. For example, it is difficult for many people to obtain visas for the May meeting in Warsaw, Poland. The current format is working well.
   7. C: The justification states that travel is not a major part of the fees. I don’t believe this is true. I think people who discuss these rules do not realize the current cost of flights. The people who are currently travelling are some of the people doing the hard technical work.
   8. C: I also have views about visas, which also incur their own travel costs to obtain.
   9. C: I will vote “never” for this straw poll, as travelling is difficult. Visas are also difficult, especially from China to the USA.
   10. C: I think this is a great idea. I appreciate issues with obtaining visas, however, this rule change does allow the WG chair to give their discretion. The rule change is for voting rights, not attending, and taking part in straw polls etc.
   11. C: Travelling from Malaysia is difficult and my sponsor cannot afford to send all my colleagues and I, to these meetings.
   12. C: I would like to speak in favor of this rule change.
   13. C: I speak in favor of this change, as I feel that it builds a community. We are technical professionals and require in-person interactions. If you have a travel, visa or personal problem, this can be taken into consideration by the WG chair. Additionally, it encourages managers to exercise their travel budgets and allow their engineers to attend in person. I also think that the chairs do not have sufficient criteria to determine whether an exception should be made or not.
   14. C: This is difficult for me. 75% means consensus, so not having to collaborate with everyone in-person still works in 802.11. In addition, many people spend 2 weekends travelling to IEEE 802 and then travelling home.
   15. C: If this rule change does happen, I think it may take some time for people to adjust their travel budgets.
   16. C: I am in favor of making this change. This change is just to maintain voting rights and is therefore limited. The number of attendees seems to have produced more submissions, which can help the standards, but has also reduced some of the quality.
   17. C: I support this change, as it helps to bring people together.
   18. C: I would like to modify this proposal, especially regarding visa issues and limited budgets. A lot of people who attend online rarely say anything. Perhaps they should attend some in-person meetings to contribute technical submissions more often.
   19. C: I drafted this submission and I wanted to thank you for your opinions today. We did discuss many of these comments earlier in the week and are listening to you.
   20. Chair: Please select one option for the straw poll.
   21. **Straw poll: ec-24-0059 in person attendance requirement for maintaining voting rights**
       1. **When should this rule should become effective?**
       2. **Never (oppose the change): 122**
       3. **March 2024: 29**
       4. **July 2024: 33**
       5. **March 2025: 10**
       6. **After March 2025: 10**
   22. **Chair: Thank you for this discussion. I will incorporate points made here in the 802 LMSC discussion this afternoon.**
2. **Wireless Chairs Meeting** (11-24-0277r1 slide #26)
   1. The next meeting is on April 10th, 2024 at 15:00 ET. Please contact the IEEE 802.11 WG chair or vice-chairs with a request for more information.
3. **Any other Business (AoB)**
   1. **802REVc**
   2. There will be 2 10-day ballots coming out of 802.1 shortly. Please can members pay attention to these short duration ballots.
   3. **Dorothy Stanley**
   4. I would like to thank Dorothy for her 6 years of being 802.11 chair.
   5. At the next meeting there will be an opportunity for Dorothy to make a presentation and there may be cake.
   6. Dorothy will continue in some IEEE 802 roles and will continue to attend.
   7. Dorothy then received a standing ovation.
4. **Next WG Session**
   1. The date of the next IEEE 802.11 WG session is May 12-17th, 2024 in Warsaw and is a mixed mode session.
5. **Adjournment**
   1. Having completed the agenda, the chair announced that the meeting was adjourned at 10:55 MDT.

**Annex A: Attendance & Affiliation**

| **Name** | **Affiliation** | **Attended >= 75%?** | **Status** |
| --- | --- | --- | --- |
| Abdelaal, Rana | Broadcom Corporation | TRUE | Voter |
| AbidRabbu, Shaima' | Istanbul Medipol University; Vestel | TRUE | Voter |
| Abouelseoud, Mohamed | Apple Inc. | TRUE | Voter |
| Aboulmagd, Osama | Huawei Technologies Co., Ltd | TRUE | Voter |
| Adachi, Tomoko | TOSHIBA Corporation | TRUE | Voter |
| Adakeja, olubukola | Teradyne, Inc. | TRUE | Voter |
| Adhikari, Shubhodeep | Broadcom Corporation | TRUE | Voter |
| Aio, Kosuke | Sony Corporation | TRUE | Voter |
| Ajami, Abdel Karim | Apple Inc. | TRUE | Voter |
| Akhmetov, Dmitry | Intel | TRUE | Voter |
| Alagarsamy, Srividhya | Broadcom Corporation | TRUE | Voter |
| Al-Baidhani, Amer | NXP Semiconductors | TRUE | Voter |
| Aldana, Carlos | Meta Platforms; PWC, LLC | TRUE | Voter |
| Ali, Sawaira | Istanbul Medipol University, Vestel | TRUE | Voter |
| Ansley, Carol | Cox Communications Inc. | TRUE | Voter |
| Anwyl, Gary | MediaTek Inc. | TRUE | Voter |
| Arlandis, Diego | Maxlinear Corp | TRUE | Voter |
| Arregui, Antonio | Maxlinear Corp. | TRUE | Voter |
| Asai, Yusuke | NTT | TRUE | Voter |
| Asterjadhi, Alfred | Qualcomm Technologies, Inc | TRUE | Voter |
| Au, Kwok Shum | Huawei Technologies Co., Ltd | TRUE | ExOfficio |
| Au, Oscar | Origin Wireless | TRUE | Voter |
| Avital, Ziv | MaxLinear | TRUE | Voter |
| Awater, Geert | Qualcomm Technologies Netherlands B.V. | TRUE | Voter |
| Aygul, Mehmet | Vestel | TRUE | Voter |
| Azizi, Shahrnaz | Intel; Intel Corporation | TRUE | Voter |
| Badenes, Agustin | MaxLinear Corp | TRUE | Voter |
| Baek, SunHee | LG ELECTRONICS | TRUE | Voter |
| Bahn, Christy | IEEE STAFF | TRUE | Non-Voter |
| Baik, Eugene | Qualcomm Incorporated; Qualcomm Technologies, Inc | TRUE | Voter |
| Bajko, Gabor | MediaTek Inc. | TRUE | Voter |
| Balakrishnan, Hari Ram | NXP Semiconductors | TRUE | Voter |
| Banerjee, Subharthi | NXP Semiconductors | TRUE | Aspirant |
| Bankov, Dmitry | IITP RAS | TRUE | Voter |
| Bansal, Ankur | SAMSUNG ELECTRONICS | FALSE | Non-Voter |
| Bao, Zhanjing | TCL | TRUE | Voter |
| Baron, stephane | Canon Research Centre France | TRUE | Voter |
| Barr, David | MaxLinear | TRUE | Voter |
| Batra, Anuj | Apple Inc. | TRUE | Voter |
| Baykas, Tuncer | Ofinno | TRUE | Voter |
| Beg, Chris | Cognitive Systems Corp. | TRUE | Voter |
| Ben Arie, Yaron | Toga Networks (A Huawei Company) | TRUE | Voter |
| Berens, Friedbert | FBConsulting Sarl | TRUE | Voter |
| Berger, Christian | NXP Semiconductors | TRUE | Voter |
| Berin, Dan | Ceva | TRUE | Aspirant |
| Bethapudi, Shirly | NXP Semiconductors | TRUE | Aspirant |
| Bhandaru, Nehru | Broadcom Corporation | TRUE | Voter |
| Bhattacharya, Abhijit | Qualcomm Incorporated | TRUE | Potential Voter |
| Bian, Tong | Panasonic | TRUE | Voter |
| Bims, Harry | Bims Laboratories, Inc. | TRUE | Voter |
| Bo, Cao | ZTE Corporation | TRUE | Voter |
| Bober, Lennert | Fraunhofer Heinrich Hertz Institute | TRUE | Voter |
| Borges, Daniel | Apple, Inc. | TRUE | Voter |
| Bower, Patricia | HaiLa Technologies Inc | FALSE | Aspirant |
| Bredewoud, Albert | Broadcom Corporation | TRUE | Voter |
| Byeon, Seongho | SAMSUNG ELECTRONICS | TRUE | Aspirant |
| Bykov, Denis | NXP Semiconductors | TRUE | Voter |
| Campiglio, Ugo | Cisco Systems, Inc. | TRUE | Voter |
| Canchi, Radhakrishna | Kyocera International Inc | TRUE | Voter |
| Canpolat, Necati | Intel | TRUE | Voter |
| Cao, Rui | NXP Semiconductors | TRUE | Voter |
| Cariou, Laurent | Intel | TRUE | Voter |
| Carney, William | Sony Group Corporation | TRUE | Voter |
| Cavalcanti, Dave | Intel Corporation | TRUE | Voter |
| Cha, Dongju | LG ELECTRONICS | TRUE | Voter |
| Chan, Andy | Infineon Technologies | TRUE | Voter |
| Chang, Chen-Yi | MediaTek Inc. | TRUE | Voter |
| Chaplin, Clint | Self | FALSE | ExOfficio |
| Chappell, Matthew | Cox Communications Inc. | FALSE | Voter |
| Chaturvedi, Abhishek | Samsung Electronics | TRUE | Aspirant |
| Che, Hui | Ruijie Networks Co., Ltd | TRUE | Aspirant |
| Chemrov, Kirill | IITP RAS | TRUE | Voter |
| Chen, Cheng | Intel | TRUE | Voter |
| Chen, Evelyn | Ericsson AB | TRUE | Voter |
| Chen, Junbin | TP-Link Corporation Limited | TRUE | Voter |
| Chen, Shuqiao | Huawei Technologies Co., Ltd | TRUE | Voter |
| Chen, Xiaogang | Spreadtrum Communication USA, Inc | TRUE | Voter |
| CHEN, YI-HSUAN | Acer, Inc. | TRUE | Aspirant |
| Chen, You-Wei | MediaTek Inc. | TRUE | Voter |
| Cheng, Ching-Chia | MediaTek Inc. | TRUE | Voter |
| Cheng, Nan | Xidian University | TRUE | Voter |
| Cheng, Paul | MediaTek Inc. | TRUE | Voter |
| cheng, phoebe | MediaTek Inc. | TRUE | Voter |
| Cheng, Xilin | NXP Semiconductors | TRUE | Voter |
| CHENG, yajun | Xiaomi Communications Co., Ltd. | TRUE | Voter |
| CHERIAN, GEORGE | Qualcomm Technologies, Inc | TRUE | Voter |
| Chisci, Giovanni | Qualcomm Technologies, Inc | TRUE | Voter |
| Chitrakar, Rojan | Huawei Technologies Co., Ltd | TRUE | Voter |
| Chiu, WenHsien | MediaTek Inc. | TRUE | Voter |
| Cho, Hangyu | LG ELECTRONICS | TRUE | Voter |
| Choi, JinHo | SAMSUNG ELECTRONICS | TRUE | Aspirant |
| Choi, Jinsoo | LG ELECTRONICS | FALSE | Voter |
| Choo, Seungho | Senscomm Semiconductor Co., Ltd. | TRUE | Aspirant |
| Chou, Tzu-Hsuan | Qualcomm Incorporated | TRUE | Voter |
| Chu, Liwen | NXP Semiconductors | TRUE | Voter |
| CHUN, JINYOUNG | LG ELECTRONICS | TRUE | Voter |
| Chung, Bruce | Realtek Semiconductor Corp. | FALSE | Voter |
| Chung, Chulho | SAMSUNG | TRUE | Voter |
| Ciochina, Dana | Sony Corporation | TRUE | Voter |
| Coffey, John | Realtek Semiconductor Corp. | TRUE | Voter |
| Contreras Albesa, Javier | Cisco Systems, Inc. | TRUE | Voter |
| Cordeiro, Carlos | Intel Corporation | TRUE | Voter |
| Cortes, Diana | Google | FALSE | Voter |
| Costa, D.Nelson | Peraso Technologies Incorporated | TRUE | Voter |
| Cui, Yaoshen | TP-Link Corporation Limited | TRUE | Voter |
| da Silva, Claudio | Meta Platforms; PWC, LLC | TRUE | Voter |
| Das, Dibakar | Intel Corporation | TRUE | Voter |
| Das, Subir | Peraton Labs | TRUE | ExOfficio |
| Dash, Debashis | Apple, Inc. | TRUE | Voter |
| Dauphinee, Leonard | MAXLINEAR INC | TRUE | Voter |
| Davis, Mike | Nordic Semiconductor ASA | TRUE | Voter |
| De Ruijter, Hendricus | Silicon Laboratories | TRUE | Potential Voter |
| de Vegt, Rolf | Qualcomm Incorporated | TRUE | Voter |
| DeLaOlivaDelgado, Antonio | InterDigital, Inc. | TRUE | Voter |
| Derham, Thomas | Broadcom Corporation | TRUE | Voter |
| Di Taranto, Rocco | Ericsson AB | TRUE | Voter |
| Dinan, Esmail | Ofinno | TRUE | Aspirant |
| Dong, mingjie | Huawei Technologies Co., Ltd | TRUE | Aspirant |
| Dong, Xiandong | Xiaomi Communications Co., Ltd. | TRUE | Voter |
| Doostnejad, Roya | Intel | TRUE | Voter |
| Doppler, Klaus | Nokia | TRUE | Potential Voter |
| Du, Rui | Huawei Technologies Co., Ltd | TRUE | Voter |
| Du, Zhenguo | Huawei Technologies Co., Ltd | TRUE | Voter |
| Duan, Ruchen | Apple Inc. | TRUE | Voter |
| Eiger, Martin | Peraton Labs | TRUE | Potential Voter |
| Ekkundi, Manasi | SAMSUNG ELECTRONICS | TRUE | Aspirant |
| ElSherif, Ahmed | Qualcomm Incorporated | TRUE | Voter |
| Emmelmann, Marc | Self | TRUE | Voter |
| Erceg, Vinko | Broadcom Corporation | TRUE | Voter |
| Erkucuk, Serhat | Ofinno | TRUE | Voter |
| Fan, Shuang | Sanechips Technology Co., Ltd. | TRUE | Potential Voter |
| Fang, Juan | Intel Corporation | TRUE | Voter |
| Fang, Xuming | Southwest Jiaotong University | TRUE | Voter |
| Fang, Yonggang | MediaTek Inc. | TRUE | Voter |
| feng, Shuling | MediaTek Inc. | TRUE | Voter |
| Ferruz, David | Maxlinear Corp | TRUE | Voter |
| Ficara, Domenico | Cisco Systems, Inc. | TRUE | Voter |
| Fischer, Matthew | Broadcom Corporation | TRUE | Voter |
| Fletcher, Paul | Samsung Cambridge Solution Center | TRUE | Voter |
| Fujimori, Yuki | Canon Research Centre France | TRUE | Voter |
| Gan, Ming | Huawei Technologies Co., Ltd | FALSE | Voter |
| Gangur, Trivikram | Infineon Technologies | TRUE | Voter |
| Ganji, Mehdi | Charter Communications | TRUE | Voter |
| Gao, Ning | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| Gee, Thomas | Qorvo | TRUE | Voter |
| Ghosh, Chittabrata | Apple Inc. | TRUE | Voter |
| Gilb, James | General Atomics Aeronautical Systems, Inc. | FALSE | ExOfficio |
| Godfrey, Tim | Electric Power Research Institute, Inc. (EPRI) | FALSE | ExOfficio |
| Golmie, Nada | National Institute of Standards and Technology | FALSE | Non-Voter |
| Gong, Bo | Huawei Technologies Co., Ltd | TRUE | Voter |
| Gonzalez, Dalisa | IEEE SA | FALSE | Non-Voter |
| GOTO, Fumihide | DENSO | TRUE | Voter |
| Grandhe, Niranjan | NXP Semiconductors | TRUE | Voter |
| Grigat, Michael | Deutsche Telekom AG | TRUE | Voter |
| Grover, Jatin | Cisco Systems, Inc. | TRUE | Voter |
| Gu, Jaheon | Samsung Electronics Co., Ltd. | TRUE | Aspirant |
| Gu, Junrong | Clourney Semiconductor | TRUE | Voter |
| Gu, Xiangxin | Spreadtrum Communications (Shanghai) Co., Ltd. | TRUE | Voter |
| GUIGNARD, Romain | Canon Research Centre France | TRUE | Voter |
| Guo, Jing | NXP Semiconductors | TRUE | Voter |
| Guo, Yuchen | Huawei Technologies Co., Ltd | TRUE | Voter |
| Guo, Zheng | NXP Semiconductors | TRUE | Voter |
| Guo, Ziyang | Huawei Technologies Co., Ltd | TRUE | Voter |
| Gupta, Binita | Cisco Systems, Inc. | TRUE | Voter |
| gutierrez, luis | Broadcom Corporation | TRUE | Voter |
| Ha, Taeyoung | Samsung Electronics Co., Ltd. | TRUE | Voter |
| Haider, Muhammad Kumail | Meta Platforms, Inc. | TRUE | Voter |
| Halasz, David | Morse Micro | TRUE | Voter |
| Hamilton, Mark | Ruckus/CommScope | TRUE | Voter |
| Han, Jin-Kyu | SAMSUNG ELECTRONICS | TRUE | Aspirant |
| HAN, Xiao | Huawei Technologies Co., Ltd | TRUE | Voter |
| Handte, Thomas | Sony Group Corporation | TRUE | Voter |
| Hangbin, Zhao | China Mobile (Hangzhou) Information Technology Co., Ltd | TRUE | Voter |
| Hansen, Christopher | Covariant Corporation | TRUE | Voter |
| Hao, Ting | National Taiwan University | FALSE | Non-Voter |
| Harkins, Daniel | Hewlett Packard Enterprise (Aruba Networks) | TRUE | Voter |
| Hart, Brian | Cisco Systems, Inc. | TRUE | Voter |
| Har-Zion, Yuval | Renesas Electronics Corporation | FALSE | Non-Voter |
| Hasabelnaby, Mahmoud | Huawei Technologies Canada; Huawei Technologies Co., Ltd | TRUE | Aspirant |
| Hawkes, Philip | Qualcomm Incorporated | FALSE | Voter |
| He, Chuanfeng | Beijing OPPO telecommunications corp., ltd | TRUE | Voter |
| He, Rong | southwest jiaotong university | TRUE | Voter |
| Hedayat, Ahmadreza | Apple Inc. | TRUE | Voter |
| Helmy, Ahmed | Apple Inc. | TRUE | Voter |
| Helwa, Sherief | Qualcomm Technologies, Inc | TRUE | Voter |
| Henry, Jerome | Cisco Systems, Inc. | TRUE | Voter |
| Hernandez, Marco | National Institute of Information and Communications Technology (NICT) | FALSE | Voter |
| hervieu, Lili | CableLabs | TRUE | Voter |
| Hiertz, Guido | Ericsson GmbH | TRUE | Voter |
| Hirata, Ryuichi | Sony Corporation | TRUE | Voter |
| Ho, Duncan | Qualcomm Incorporated | TRUE | Voter |
| Hosseinianfar, Hamid | Ofinno | TRUE | Aspirant |
| Hsiao, Ching-Wen | MediaTek Inc. | TRUE | Voter |
| Hsieh, Hung-Tao | MediaTek Inc. | TRUE | Voter |
| Hsu, Chien-Fang | MediaTek Inc. | TRUE | Voter |
| Hsu, Ostrovsky | Xiaomi Communications Co., Ltd. | TRUE | Voter |
| Hsu, Yung Lin | National Taiwan University | TRUE | Aspirant |
| Hsu, Yungping | Mediatek Inc | TRUE | Aspirant |
| Hu, Chunyu | Spreadtrum Communications US | TRUE | Voter |
| Hu, Mengshi | Huawei Technologies Co., Ltd | TRUE | Voter |
| Hu, Shengquan | MediaTek Inc. | TRUE | Voter |
| Hu, Xiaokun | Ruijie Networks Co., Ltd. | TRUE | Voter |
| HUANG, CHIHAN | MediaTek Inc. | TRUE | Voter |
| Huang, Gaoyong | Southwest Jiaotong University | TRUE | Voter |
| Huang, Guogang | Huawei Technologies Co., Ltd | TRUE | Voter |
| Huang, Lei | Huawei International Pte Ltd | FALSE | Voter |
| Huang, Po-Kai | Intel Corporation | TRUE | Voter |
| Huang, Qisheng | ZTE Corporation | TRUE | Voter |
| Inohiza, Hirohiko | Canon | TRUE | Voter |
| Jang, Insun | LG ELECTRONICS | TRUE | Voter |
| Jang, Yeong Min | Kookmin Universitu | FALSE | Aspirant |
| Jeffries, Timothy | Futurewei Technologies | TRUE | Voter |
| Jeon, Eunsung | SAMSUNG ELECTRONICS | TRUE | Voter |
| Ji, Chenhe | Huawei Technologies Co., Ltd | TRUE | Voter |
| jiang, feng | Apple Inc. | TRUE | Voter |
| Jiang, Jinjing | Apple, Inc. | TRUE | Voter |
| Jiang, Zhiping | Xidian University | TRUE | Voter |
| John, Toby | Verizon | TRUE | Voter |
| Jones, Vincent Knowles IV | Qualcomm Incorporated | TRUE | Voter |
| Jung, Insik | LG ELECTRONICS | TRUE | Voter |
| Jungnickel, Volker | Fraunhofer Heinrich Hertz Institute | TRUE | Voter |
| Kabbinale, Aniruddh | Samsung Electronics | FALSE | Voter |
| Kadampot, Ishaque Ashar | Qualcomm Technologies, Inc. | TRUE | Voter |
| Kain, Carl | USDOT; Noblis, Inc. | TRUE | Voter |
| Kakani, Naveen | Qualcomm Incorporated | TRUE | Voter |
| Kalamkar, Sanket | Qualcomm Incorporated; Qualcomm Technologies, Inc | TRUE | Voter |
| Kamel, Mahmoud | Interdigital Inc. | TRUE | Voter |
| Kancherla, Sundeep | Infineon Technologies | TRUE | Voter |
| Kandala, Srinivas | SAMSUNG | TRUE | Voter |
| Kang, HaoHua | MediaTek Inc. | TRUE | Voter |
| Kang, Sugbong | Apple Inc. | TRUE | Voter |
| Karamyshev, Anton | IITP RAS | TRUE | Voter |
| Karthik, S. G. | SAMSUNG ELECTRONICS | TRUE | Aspirant |
| Kasargod, Sudhir | Infineon Technologies | TRUE | Voter |
| Kast, Joshua | National Institute of Standards and Technology | TRUE | Aspirant |
| Kennedy, Connor | Meta Platforms Inc. | TRUE | Voter |
| Kennedy, Richard | Bluetooth SIG | TRUE | Voter |
| Kenney, John | Toyota Motor North America | TRUE | Voter |
| Kerry, Stuart | OK-Brit; Self | TRUE | Voter |
| Keshmiri, Francis | Huawei Technologies France | TRUE | Voter |
| Kezys, Vytas | CONSULTANT | TRUE | Voter |
| Khan, Naseem | Leidos Engineering. LLC | TRUE | Voter |
| Khericha, samir | Broadcom Corporation | TRUE | Voter |
| Khorov, EVGENY | IITP RAS | TRUE | Voter |
| Kim, Geon Hwan | LG ELECTRONICS | TRUE | Voter |
| Kim, Hyungjin | Broadcom Corporation | TRUE | Voter |
| Kim, Jeongki | Ofinno | TRUE | Voter |
| Kim, Myeong-Jin | SAMSUNG | TRUE | Voter |
| Kim, Sang Gook | LG ELECTRONICS | TRUE | Voter |
| Kim, Sanghyun | WILUS Inc. | TRUE | Voter |
| Kim, Yongho | Korea National University of Transportation | TRUE | Voter |
| Kim, Youhan | Qualcomm Technologies, Inc. | TRUE | Voter |
| Kishida, Akira | Nippon Telegraph and Telephone Corporation (NTT) | TRUE | Voter |
| Kitazawa, Shoichi | Muroran IT | FALSE | Voter |
| Klein, Arik | Huawei Technologies Co., Ltd | TRUE | Voter |
| KNECKT, JARKKO | Apple, Inc. | TRUE | Voter |
| Koo, Jonghoe | Samsung Electronics Co., Ltd. | TRUE | Potential Voter |
| Koundourakis, Michail | Samsung Cambridge Solution Center | TRUE | Voter |
| Krebs, Alexander | Apple Inc; Apple Inc. | FALSE | Voter |
| Ku, Chung-Ta | Mediatek Inc | TRUE | Voter |
| Kumar, Manish | NXP Semiconductors | TRUE | Voter |
| Kumbhkar, Ratnesh | Intel Corporation | TRUE | Potential Voter |
| Kuo, Chih-Chun | MediaTek Inc. | TRUE | Voter |
| Lalam, Massinissa | SAGEMCOM BROADBAND SAS | TRUE | Voter |
| Lan, Zhou | Apple Inc. | TRUE | Voter |
| Lanante, Leonardo | Ofinno | TRUE | Voter |
| Lansford, James | Farafir Consulting; University of Colorado at Boulder | FALSE | Voter |
| Lee, Hong Won | LG ELECTRONICS | FALSE | Voter |
| Lee, Hyeong Ho | Netvision Telecom Inc. | TRUE | Voter |
| Lee, Jack | SAMSUNG ELECTRONICS | TRUE | Potential Voter |
| LEE, JOONSOO | Newracom Inc. | TRUE | Voter |
| Lee, Wookbong | Apple Inc. | TRUE | Voter |
| Lee, Yen-Wei | Acer, Inc. | TRUE | Aspirant |
| Lei, Xianfu | Southwest Jiaotong University | TRUE | Voter |
| Leong, Frank | NXP Semiconductors | FALSE | Non-Voter |
| Levitsky, Ilya | IITP RAS | TRUE | Voter |
| Levy, Joseph | InterDigital, Inc. | TRUE | Voter |
| Li, Bo | Northwestern Polytechnical University | TRUE | Voter |
| Li, Guoqing | Meta | TRUE | Voter |
| Li, Haozheng | TP-Link Corporation Limited | TRUE | Voter |
| Li, Huan-Bang | National Institute of Information and Communications Technology (NICT) | FALSE | Non-Voter |
| Li, Jialing | Qualcomm Technologies, Inc | TRUE | Voter |
| Li, Panpan | Huawei Technologies Co., Ltd | TRUE | Aspirant |
| Li, Qinghua | Intel Corporation | TRUE | Voter |
| Li, Weiyi | Spreadtrum Communication USA, Inc | TRUE | Voter |
| Li, Xin | Huawei Technologies Co., Ltd | TRUE | Voter |
| Li, Yan | ZTE Corporation | TRUE | Voter |
| Li, Yanchun | Huawei Technologies Co., Ltd | TRUE | Voter |
| Li, Yapu | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| Li, Ying | Huawei Technologies Co., Ltd | TRUE | Voter |
| li, yun | ZTE Corporation | TRUE | Voter |
| Li, Yunbo | Huawei Technologies Co., Ltd | TRUE | Voter |
| Lim, Dong Guk | LG ELECTRONICS | TRUE | Voter |
| Lim, Yeon Geun | Newracom Inc. | TRUE | Voter |
| Lin, Wei | Huawei Technologies Co., Ltd | TRUE | Voter |
| LIU, CHENCHEN | Huawei Technologies Co., Ltd | TRUE | Voter |
| liu, dekun | Huawei Technologies Co., Ltd | TRUE | Voter |
| Liu, Der-Zheng | Realtek Semiconductor Corp. | TRUE | Voter |
| Liu, Jeff | Broadcom Corporation | TRUE | Voter |
| Liu, Jianhan | MediaTek Inc. | TRUE | Voter |
| Liu, Peng | Huawei Technologies Co., Ltd | FALSE | Voter |
| LIU, QINGLAI | Panasonic | TRUE | Potential Voter |
| Liu, Ying | NXP Semiconductors | TRUE | Voter |
| Liu, Yong | Apple, Inc. | TRUE | Voter |
| Lorgeoux, Mikael | Canon Research Centre France | TRUE | Voter |
| Lou, Hanqing | InterDigital, Inc. | TRUE | Voter |
| Lou, Hui-Ling | NXP Semiconductors | TRUE | Voter |
| Lovison, Federico | Cisco Systems, Inc. | TRUE | Voter |
| Lu, Kaiying | MediaTek Inc. | TRUE | Voter |
| Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| LU, Yuxin | TCL Industries | TRUE | Potential Voter |
| Luo, Chaoming | Beijing OPPO telecommunications corp., ltd. | TRUE | Voter |
| luo, hui | Infineon Technologies | TRUE | Voter |
| Luo, Sixian | SHARP CORPORATION | TRUE | Aspirant |
| Luo, Yuanqiu | Futurewei Technologies | FALSE | Voter |
| Lyu, Yunping(Lily) | Huawei Technologies Co., Ltd | TRUE | Voter |
| Ma, Jing | Toyota Motor Corporation | TRUE | Voter |
| Ma, Li | MediaTek Inc. | FALSE | Voter |
| Ma, Yongsen | SAMSUNG ELECTRONICS | TRUE | Voter |
| Ma, Yunsi | Huawei Technologies Co., Ltd | TRUE | Voter |
| Madni, Haji Muhammad | Vestel | TRUE | Voter |
| Magrin, Davide | Meta Platforms Inc. | TRUE | Voter |
| Maguluri, Anilkumar | Synaptics | TRUE | Voter |
| Mailaender, Laurence | Peraton Labs | TRUE | Potential Voter |
| Mak, Siukai | Broadcom Corporation | TRUE | Voter |
| Malinen, Jouni | Qualcomm Technologies, Inc | TRUE | Voter |
| Mano, Hiroshi | Koden Techno Info K.K. | TRUE | Voter |
| MAO, ZHI | Huawei Technologies Co., Ltd | TRUE | Voter |
| Marks, Roger | EthAirNet Associates | FALSE | ExOfficio |
| Marques, Flavio | FURUKAWA ELECTRIC | FALSE | Non-Voter |
| Martinez Vazquez, Marcos | MaxLinear Corp | TRUE | Voter |
| Max, Sebastian | Ericsson AB | TRUE | Voter |
| Mccann, Stephen | Huawei Technologies Co., Ltd | TRUE | Voter |
| Mehrnoush, Morteza | Apple Inc. | TRUE | Voter |
| Mehta, Mehul | Pharrowtech BV | TRUE | Voter |
| MELZER, Ezer | Toga Networks, a Huawei company | TRUE | Voter |
| Mendel, Florian | Infineon Technologies | TRUE | Aspirant |
| Merlin, Marco | CEVA Rivierawaves | TRUE | Aspirant |
| Minotani, Jun | Panasonic Holdings Corporation | TRUE | Voter |
| Miwa, Shinya | Canon Research Centre France | TRUE | Voter |
| Moelker, Dignus-Jan | Broadcom Corporation | TRUE | Voter |
| Mohamed, Ahmed | Senior Systems Engineer, NXP Semiconductors | TRUE | Aspirant |
| Mohamed Hassan Salem, Nedime Pelin | Cisco Systems, Inc. | TRUE | Voter |
| Monajemi, Pooya | Apple Inc. | TRUE | Voter |
| Montemurro, Michael | Huawei Technologies Co., Ltd | TRUE | Voter |
| Montreuil, Leo | Broadcom Corporation | TRUE | Voter |
| Moon, Juseong | Korea National University of Transportation | TRUE | Voter |
| Motozuka, Hiroyuki | Panasonic Holdings Corporation | TRUE | Voter |
| Mourtada, Yasser | Ofinno | TRUE | Aspirant |
| Mueller, Robert | Ilmenau University of Technology - TU Ilmenau | TRUE | Voter |
| Mukherjee, Suprojit | Infineon Technologies | TRUE | Potential Voter |
| Mutgan, Orhan Okan | Nokia | TRUE | Voter |
| Nagai, Yukimasa | Mitsubishi Electric Research Labs (MERL) | TRUE | Voter |
| Naik, Gaurang | Qualcomm Technologies, Inc | TRUE | Voter |
| Nakano, Hiroki | CAHI Corporation; Kyoto University | TRUE | Voter |
| Nam, Junyoung | Qualcomm Incorporated | TRUE | Voter |
| Namboodiri, Vamadevan | SAMSUNG ELECTRONICS | TRUE | Voter |
| Namvar, Nima | Charter Communications | TRUE | Voter |
| Nandagopalan, SAI SHANKAR | Synaptics | TRUE | Voter |
| Narengerile, Narengerile | Huawei Technologies Co., Ltd | TRUE | Voter |
| Naribole, Sharan | Apple Inc. | TRUE | Voter |
| Nayak, Peshal | Samsung Research America | TRUE | Voter |
| Neishaboori, Azin | General Motors Company | TRUE | Voter |
| Nezou, Patrice | Canon Research Centre France | TRUE | Voter |
| Ng, Boon Loong | Samsung Research America | TRUE | Voter |
| Nguyen, An | DHS/CISA | TRUE | Voter |
| Nikolich, Paul | Paul Nikolich | FALSE | ExOfficio |
| Noh, Si-Chan | Newracom Inc. | TRUE | Voter |
| Norouzi, Sara | Huawei Technologies Canada; Huawei Technologies Co., Ltd | TRUE | Potential Voter |
| Nurani Krishnan, Neelakantan | Apple Inc. | TRUE | Voter |
| Ohmoto, Ryutaro | Nihon Dengyo Kosaku Co. Ltd. | TRUE | Voter |
| Okada, Hiraku | Nagoya University | TRUE | Voter |
| Omar, Hassan | Huawei Technologies Co., Ltd | TRUE | Voter |
| Onodera, Takashi | SHARP CORPORATION | TRUE | Aspirant |
| Orr, Stephen | Cisco Systems, Inc. | TRUE | Voter |
| Ozbakis, Basak | VESTEL Electronics Corp. | TRUE | Voter |
| Pakrooh, Pooria | Qualcomm Incorporated | FALSE | Voter |
| Palayur, Saju | Maxlinear Inc. | TRUE | Voter |
| Palm, Stephen | Broadcom Corporation | TRUE | Voter |
| Pandey, Sheetal | Synaptics Inc. | TRUE | Voter |
| Pare, Thomas | MediaTek Inc. | TRUE | Voter |
| Park, Eunsung | LG ELECTRONICS | TRUE | Voter |
| Park, Minyoung | Intel Corporation | TRUE | Voter |
| Park, Sungjin | senscomm | TRUE | Voter |
| Parsons, Glenn | Ericsson AB | TRUE | ExOfficio |
| Patel, Dilan | Sonos | FALSE | Aspirant |
| Patil, Abhishek | Qualcomm Incorporated | TRUE | Voter |
| Patil, Sandhya | Synaptics Inc | TRUE | Voter |
| Patwardhan, Gaurav | Hewlett Packard Enterprise | TRUE | Voter |
| Peng, Lan | Huawei Technologies Co., Ltd | TRUE | Voter |
| Peng, Ronny | MediaTek Inc. | TRUE | Voter |
| Perahia, Eldad | Hewlett Packard Enterprise | TRUE | Voter |
| Petrick, Albert | InterDigital, Inc. | TRUE | Voter |
| Pettersson, Charlie | Ericsson AB | TRUE | Voter |
| Porat, Ron | Broadcom Corporation | TRUE | Voter |
| Pottigari, Sachin | NXP Semiconductors | TRUE | Voter |
| Powell, Clinton | HID Global;PWC, LLC | FALSE | ExOfficio |
| Ptasinski, Henry | Element78 Communications LLC | TRUE | Voter |
| Puducheri, Srinath | Broadcom Corporation | TRUE | Voter |
| Pulikkoonattu, Rethnakaran | Broadcom Corporation | TRUE | Voter |
| Qi, Emily | Intel | TRUE | Voter |
| Qi, Yinan | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| Qi, Yue | Samsung Research America | TRUE | Voter |
| QIAN, BIN | Huawei Technologies Co., Ltd | FALSE | Voter |
| Qian, Yurong | ZTE Corporation | TRUE | Voter |
| Quan, Yingqiao | Spreadtrum | TRUE | Voter |
| Rafique, Saira | Istanbul Medipol University, Vestel | TRUE | Voter |
| Rai, Kapil | Qualcomm Incorporated | TRUE | Voter |
| Raissinia, Alireza | Qualcomm Incorporated | TRUE | Voter |
| Ralle, Helene | Orange | TRUE | Potential Voter |
| Ratnam, Vishnu | Samsung Research America | TRUE | Voter |
| Redlich, Oded | Huawei Technologies Co., Ltd | TRUE | Voter |
| REICH, MOR | Huawei Technologies Co., Ltd | TRUE | Voter |
| Rezk, Meriam | Qualcomm Technologies, Inc | TRUE | Voter |
| Rios, Carlos | Terabit Wireless Internet LLC | TRUE | Voter |
| Rison, Mark | Samsung Cambridge Solution Centre | TRUE | Voter |
| Robert, Joerg | Fraunhofer IIS; Technische Universitaet Ilmenau | FALSE | Voter |
| Roder, Patricia | IEEE STAFF | FALSE | Non-Voter |
| Rosdahl, Jon | Qualcomm Technologies, Inc. | TRUE | Voter |
| Rosenzweig Arbel, Gil | Renesas Electronics Corporation | TRUE | Aspirant |
| Roy, Sayak | NXP Semiconductors | TRUE | Voter |
| Ryu, Kiseon | NXP Semiconductors | TRUE | Voter |
| Sadiq, Bilal | Samsung Research America | TRUE | Aspirant |
| Salem, Mohamed | Huawei Technologies Co., Ltd | FALSE | Voter |
| Sambasivan, Sam | AT&T | TRUE | Voter |
| Sand, Stephan | German Aerospace Center (DLR) | TRUE | Voter |
| sanderovich, Amichai | Wiliot Ltd | TRUE | Voter |
| Santra, Avik | Infineon Technologies | TRUE | Voter |
| Sato, Naotaka | Sony Group Corporation | TRUE | Voter |
| Sato, Takuhiro | SHARP CORPORATION | TRUE | Voter |
| Schelstraete, Sigurd | MaxLinear | TRUE | Voter |
| Schweizer, Benedikt | Apple Inc. | TRUE | Voter |
| Segev, Jonathan | Intel | TRUE | Voter |
| Seo, Sangho | Broadcom Corporation | TRUE | Voter |
| Seok, Yongho | Apple Inc. | TRUE | Voter |
| Serafimovski, Nikola | pureLiFi | TRUE | Voter |
| Serizawa, Kazunobu | Advanced Telecommunications Research Institute International (ATR) | TRUE | Voter |
| Sethi, Ankit | NXP Semiconductors | TRUE | Voter |
| Sevin, Julien | Canon Research Centre France | TRUE | Voter |
| Shafin, Rubayet | Samsung Research America | TRUE | Voter |
| Shan, Feng | Southeast University, China | TRUE | Voter |
| Sharma Banjade, Vesh Raj | Intel Corporation | TRUE | Voter |
| Shaw, Amit | Infineon Technologies | TRUE | Voter |
| Shellhammer, Stephen | Qualcomm Incorporated | TRUE | ExOfficio |
| Shen, Xiaoman | Huawei Technologies Co., Ltd | TRUE | Voter |
| Sherlock, Ian | Texas Instruments Inc. | TRUE | Voter |
| shi, shuyu | TP-Link Corporation Limited | TRUE | Voter |
| Shilo, Shimi | Huawei Technologies Co., Ltd | TRUE | Voter |
| Shirakawa, Atsushi | SHARP CORPORATION | TRUE | Voter |
| Shu, Tongxin | Huawei Technologies Co., Ltd | FALSE | Non-Voter |
| Shukla, Ashish | Amazon, Inc | TRUE | Voter |
| siaud, isabelle | Orange | TRUE | Voter |
| Singh, Aditi | Charter Communications | TRUE | Voter |
| Smith, Graham | SR Technologies | TRUE | Voter |
| Smith, Luther | Cable Television Laboratories Inc. (CableLabs) | TRUE | Voter |
| Smith, Malcolm | Cisco Systems, Inc. | TRUE | Potential Voter |
| So, Youngwan | Samsung Electronics Co., Ltd. | FALSE | Voter |
| Son, Ju-Hyung | WILUS Inc. | TRUE | Voter |
| Song, Hao | Intel Corporation | TRUE | Voter |
| Sood, Ayush | Infineon Technologies | TRUE | Voter |
| Sosack, Robert | Molex Incorporated | TRUE | Voter |
| Srinivasa, Sudhir | NXP Semiconductors | TRUE | Voter |
| Sriram, Sundar | Apple Inc. | TRUE | Voter |
| Stacey, Robert | Intel | TRUE | Voter |
| Stanley, Dorothy | Hewlett Packard Enterprise | TRUE | Voter |
| Stott, Noel | Keysight Technologies | TRUE | Voter |
| Strobel, Rainer | MaxLinear | TRUE | Voter |
| Su, Hang | Broadcom Corporation | TRUE | Voter |
| SU, HONGJIA | Huawei Technologies Co., Ltd | TRUE | Voter |
| Suh, JUNG HOON | Huawei Technologies Canada; Huawei Technologies Co., Ltd | TRUE | Voter |
| Sumi, Takenori | Mitsubishi Electric Corporation | FALSE | Voter |
| Sun, Bo | Sanechips | TRUE | Voter |
| Sun, Jiaqi | China Mobile (Hangzhou) Information Technology Co., Ltd. | TRUE | Voter |
| Sun, Li-Hsiang | MediaTek Inc. | TRUE | Voter |
| Sun, Yanbin | Huawei Technologies Co., Ltd | TRUE | Voter |
| Sun, Yanjun | Apple Inc | TRUE | Voter |
| SUZUKI, Shuntaro | Yamaha Corporation | TRUE | Voter |
| Tadahal, Shivkumar | Broadcom Corporation | TRUE | Aspirant |
| Talarico, Salvatore | Sony Corporation | TRUE | Potential Voter |
| Talha, Mohd. | NXP Semiconductors | TRUE | Voter |
| Tanaka, Yusuke | Sony Corporation | TRUE | Voter |
| TANG, XIAOHU | Southwest Jiaotong University | TRUE | Voter |
| Tang, Zhuqing | Huawei Technologies Co., Ltd | TRUE | Voter |
| tantri Paniyoor, yatiraj | Synaptics | TRUE | Voter |
| Taori, Rakesh | Infineon Technologies | TRUE | Voter |
| Thakur, Sidharth | Apple Inc. | TRUE | Voter |
| Thota, Sri Ramya | Infineon Technologies | TRUE | Voter |
| Tian, Bin | Qualcomm Incorporated | FALSE | Voter |
| Torrijo, Alejandro | MaxLinear Corp | TRUE | Voter |
| Tota, Kazuyuki | Canon | TRUE | Voter |
| Trainin, Solomon | Wiliot | TRUE | Voter |
| Tretiakov, Anton | IITP RAS | TRUE | Voter |
| Tsai, Tsung-Han | MediaTek Inc. | TRUE | Voter |
| Tsodik, Genadiy | Huawei Technologies Co., Ltd | TRUE | Voter |
| Tu, Weichi | Askey | TRUE | Aspirant |
| Uln, Kiran | Infineon Technologies | TRUE | Voter |
| Urabe, Yoshio | Panasonic Holdings Corporation | TRUE | Voter |
| Val, Inaki | MaxLinear, Inc. | TRUE | Voter |
| Van Nee, Richard | Qualcomm Technologies Netherlands BV | TRUE | Voter |
| Van Zelst, Allert | Qualcomm Technologies Netherlands B.V. | TRUE | Voter |
| Varshney, Prabodh | Nokia | TRUE | Voter |
| Verenzuela, Daniel | Sony Group Corporation | TRUE | Voter |
| Verma, Sindhu | Broadcom | TRUE | Voter |
| Vermani, Sameer | Qualcomm Incorporated; Qualcomm Technologies, Inc | TRUE | Voter |
| VIGER, Pascal | Canon Research Centre France | TRUE | Voter |
| Wang, Bo | Huawei Technologies Co., Ltd | TRUE | Voter |
| Wang, Chao Chun | Mediatek Inc | TRUE | Voter |
| Wang, Hao | Tencent | TRUE | Voter |
| Wang, Huizhao | NXP Semiconductors | TRUE | Voter |
| Wang, Lei | Futurewei Technologies | TRUE | Voter |
| Wang, Pu | Mitsubishi Electric Research Laboratories (MERL) | TRUE | Voter |
| Wang, Qi | Apple Inc. | TRUE | Voter |
| Wang, Steven Qi | Huawei Technologies Co., Ltd | TRUE | Voter |
| Wang, Xiaofei | InterDigital, Inc. | TRUE | Voter |
| WANG, Ying | InterDigital, Inc. | TRUE | Potential Voter |
| Wang, Zisheng | ZTE Corporation | TRUE | Voter |
| Want, Roy | Google | TRUE | Voter |
| Ward, Lisa | Rohde & Schwarz | TRUE | Voter |
| Wei, Dong | NXP Semiconductors | TRUE | Voter |
| Wei, Hung-Yu | National Taiwan University | TRUE | Voter |
| Wendt, Matthias | Signify | FALSE | Voter |
| Wentink, Menzo | Qualcomm Technologies, Inc | TRUE | Voter |
| White, Gregory | Cable Television Laboratories Inc. (CableLabs) | TRUE | Potential Voter |
| Wilhelmsson, Leif | Ericsson AB | TRUE | Voter |
| Wu, Chao-Yi | Samsung Electronics Co., Ltd. | TRUE | Voter |
| wu, guangsheng | Huawei Technologies Co., Ltd | TRUE | Voter |
| Wu, Kanke | Apple Inc | TRUE | Voter |
| Wu, Ming | MediaTek Inc. | TRUE | Potential Voter |
| Wu, Tianyu | Apple Inc. | TRUE | Voter |
| Wu, Wayne | MediaTek Inc. | TRUE | Voter |
| Wu, Xuming | Huawei Technologies Co., Ltd | TRUE | Voter |
| Wullert, John | Peraton Labs | TRUE | Voter |
| Xia, Qing | Sony Corporation | TRUE | Voter |
| xiang, Huangfu | Xidian University | TRUE | Voter |
| Xiao, Bo | ZTE Corporation | TRUE | Voter |
| Xin, Liangxiao | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| Xin, Yan | Huawei Technologies Co., Ltd | TRUE | Voter |
| Xu, Fangxin | Longsailing Semiconductor | TRUE | Voter |
| Xu, Weijie | Beijing OPPO telecommunications corp., ltd. | TRUE | Voter |
| Xu, Yanchao | Zeku | TRUE | Voter |
| Xu, Yue | Huawei Technologies Co., Ltd | TRUE | Voter |
| YAGHOOBI, HASSAN | Intel | TRUE | Voter |
| Yamada, Ryota | SHARP CORPORATION | TRUE | Voter |
| Yan, Aiguo | Ubilinx | TRUE | Voter |
| Yan, Min | Huawei Technologies Co., Ltd | TRUE | Voter |
| Yan, Peng | Wi-Fi Alliance | TRUE | Voter |
| Yan, Zhongjiang | Northwestern Polytechnical University | TRUE | Voter |
| Yanamandra, Subrahmanyam | Broadcom Corporation | TRUE | Voter |
| Yang, Hui | Huawei Technologies Co., Ltd | TRUE | Aspirant |
| Yang, Jay | ZTE Corporation | TRUE | Voter |
| Yang, Lin | Qualcomm Incorporated | TRUE | Voter |
| Yang, Mao | Northwestern Polytechnical University | TRUE | Voter |
| YANG, Ning | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |
| YANG, RUI | InterDigital, Inc. | TRUE | Voter |
| Yang, Steve TS | MediaTek Inc. | TRUE | Voter |
| Yang, Xun | Huawei Technologies Co., Ltd | FALSE | Voter |
| Yang, Yang | Southwest Jiaotong University | TRUE | Voter |
| Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) | TRUE | Voter |
| Yee, James | MediaTek Inc. | TRUE | Voter |
| Yee, Peter | NSA-CSD | TRUE | Voter |
| Yong, Su Khiong | Apple, Inc. | TRUE | Voter |
| Yoon, Yelin | LG ELECTRONICS | TRUE | Voter |
| Yoshikawa, Yuki | Canon U.S.A., Inc. | TRUE | Aspirant |
| Young, Christopher | Broadcom Corporation | TRUE | Voter |
| Yu, Jian | Huawei Technologies Co., Ltd | TRUE | Voter |
| Yu, Mao | Ripple Technology | TRUE | Potential Voter |
| Yuan, Fangchao | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zeng, Ruochen | Apple Inc | TRUE | Voter |
| Zeng, Yan | Huawei Technologies Co., Ltd | FALSE | Voter |
| Zhang, Hongyuan | NXP Semiconductors | TRUE | Voter |
| Zhang, Jiayi | Ofinno | TRUE | Voter |
| ZHANG, JIAYIN | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zhang, John | GuangDong OPPO Mobile Telecommunications Corp., Ltd. | FALSE | Voter |
| Zhang, Maolin | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zhang, Rong | NXP Semiconductors | TRUE | Voter |
| Zhang, Yan | Apple Inc. | TRUE | Voter |
| Zhang, Yiyan | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zhao, Yue | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zheng, Xiayu | NXP Semiconductors | TRUE | Voter |
| ZHENG, ZE | iTenest | TRUE | Voter |
| Zhong, Ke | Ruijie Networks Co.,Ltd. | TRUE | Aspirant |
| Zhou, Chengzhi | Apple Inc. | TRUE | Voter |
| Zhou, Lei | H3C Technologies Co., Limited | TRUE | Voter |
| Zhou, Pei | TCL | TRUE | Voter |
| Zhou, Renlong | Sanechips Technology Co., Ltd. | TRUE | Potential Voter |
| Zhou, Zhengchun | Southwest Jiaotong University | TRUE | Voter |
| zhu, lihua | Ruijie Networks Co., Ltd. | TRUE | Voter |
| Zhu, Peiying | Huawei Technologies Co., Ltd | TRUE | Voter |
| Zhu, Yu | TP-Link Corporation Limited | TRUE | Voter |
| Zimmerman, George | CME Consulting | FALSE | Non-Voter |
| Zuniga, Juan Carlos | Cisco Systems, Inc. | TRUE | Voter |
| Zuo, Zhisong | Guangdong OPPO Mobile Telecommunications Corp.,Ltd | TRUE | Voter |

**Annex B : Working Group Officers**

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**Task Groups**

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| Alfred Asterjadhi  (Qualcomm) | TGbn Chair  Ultra High Reliability (UHR) | aasterja@qti.qualcomm.com |

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**Ad-Hoc Groups (AHG)**

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| --- | --- | --- |
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**Liaison Officials to IEEE organizations**

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| Edward Au  (Huawei Technologies Co., Ltd) | Liaison to IEEE 802.18 | [edward.ks.au@gmail.com](mailto:edward.ks.au@gmail.com) |
| Tuncer Baykas (Ofinno) | Liaison to IEEE 802.19 | [tbaykas@ieee.org](mailto:tbaykas@ieee.org) |

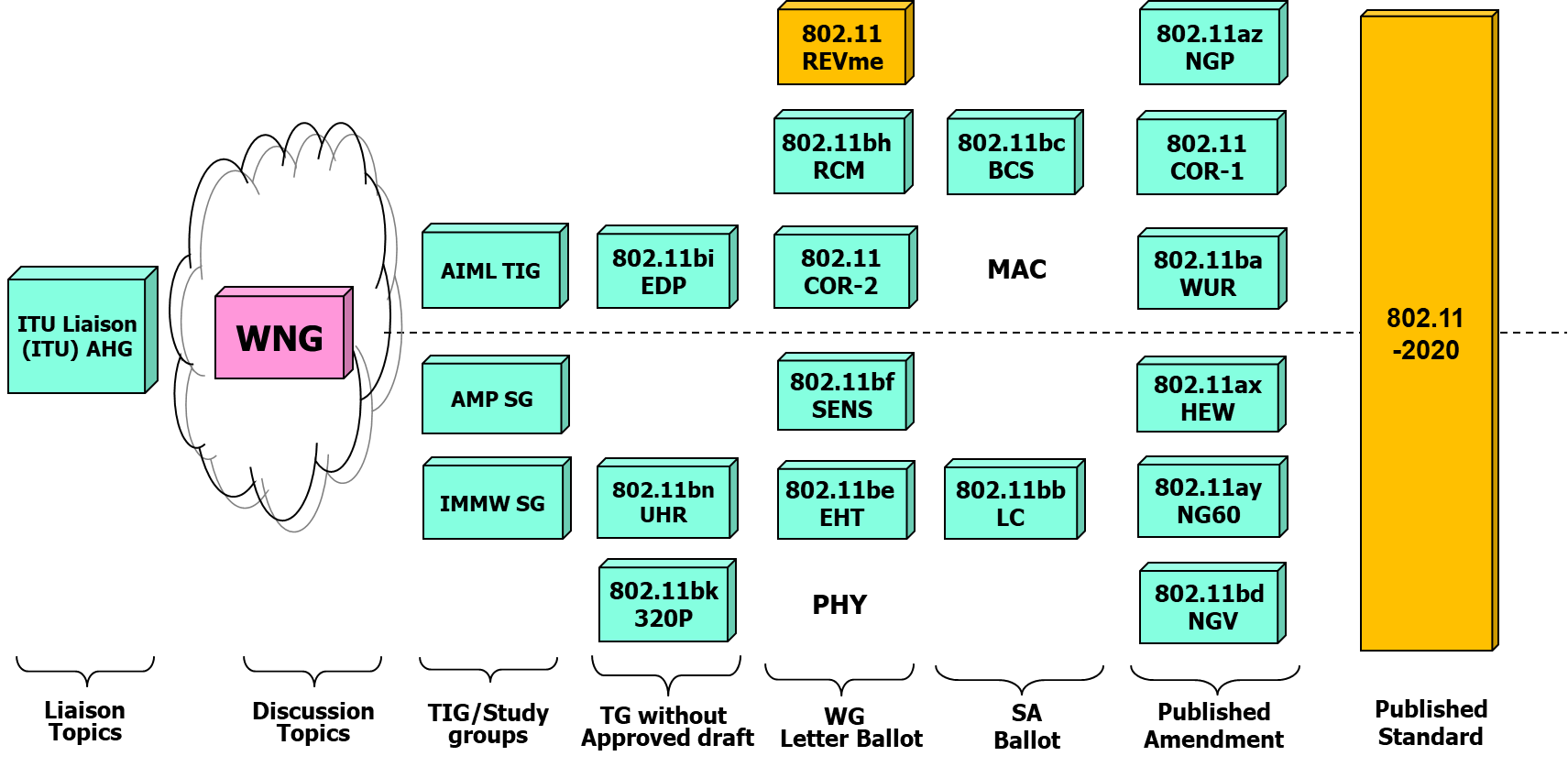
**Annex C : Minutes**

This Annex contains references to all IEEE 802.11 SC/TG/SG & Ad Hoc Committee (AHC) minutes from this session. Please note that they are NOT subject to the approval of these minutes but are confirmed and approved by their individual group in the opening meeting at their next session.

|  |  |  |
| --- | --- | --- |
| WG | TE | 24-0448r0 |
| TGme | TG | 24-0039r0 |
| TGbe | TG | 24-0647r1 |
| TGbf | TG | 24-0624r0 |
| TGbh | TG | 24-0290r0 |
| TGbi | TG | 24-0552r0 |
| TGbk | TG | 24-0685r0 |
| TGbn | TG | 24-0693r0 |
| AMP | TIG | 24-0631r0 |
| IMMW | SG | 24-0585r0 |
| COEX | SC | 24-0609r0 |
| WNG | SC | 24-0581r0 |
| JTC 802 | SC | 24-0593r0 |
| ARC | SC | 24-0545r0 |
| AIML | TIG | 24-0628r0 |
| ITU | AH | 24-0282r0 |
| PAR | SC | 24-0499r0 |

**Annex D : Revisions and Standards Pipeline**

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**IEEE 802.11 Standards Pipeline**

End.