IEEE P802.11
Wireless LANs

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| IEEE 802.11bf – Teleconference Minutes January-March 2024 |
| Date: 2024-02-12 |
| Author(s): |
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| Sanggook Kim  | LGE |  |  |  |

Abstract

This document contains minutes for the TG 802.11bf teleconference in January-March 2024.

Rev 0: Minutes for TG 802.11bf teleconference on the 25th of January added.

Rev 1: Minutes for TG 802.11bf teleconference on the 30th of January added.

Rev 2: Minutes for TG 802.11bf teleconference on the 6th of February added.

Rev 3: Some corrections made to the minutes on the 30th of January.

Rev 4: Lists of attendees for the three teleconference calls on January 25th, January 30th, and February 6th added.

**Thursday, January 25, 2024, 10:00pm - 00:00am (ET)**

**Meeting Agenda:**

The meeting agenda is shown below, and published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/24/11-24-0204-01-00bf-tgbf-meeting-agenda-2024-01-part2.pptx>

1. Call the meeting to order
2. Patent policy and logistics
3. TGbf Timeline
4. Call for contribution
5. Teleconference Times
6. Presentation of submissions
7. Any other business
8. Adjourn
9. The chair, Tony Han, calls the meeting to order at 10:01pm ET (18 persons are on the call after 15 minutes of the meeting).
10. The chair goes through “Meeting Protocol, Attendance, Voting & Documentation Status” (slide 4), “Participants have a duty to inform the IEEE” (slide 6), and “Ways to inform IEEE” (slide 7).

The chair makes a Call for Potentially Essential Patents. No potentially essential patents reported, and no questions asked.

The chair goes through “Other Guideline for IEEE WG meetings” (slide 8), “Patent related information” (slide 9), “ IEEE SA Copyright Policy” (slides 10 and 11), “Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct” (slide 12), “Participants in the IEEE-SA “individual process” shall act independently of others, including employers”(slide 13), and “IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints” (slide 14), and “Required notices” (slide 15).

The chair goes through the agenda (slide 16) and asks if there are any question on the agenda. No response from the group.

The chair asks if there is any objection to approve the updated agenda by unanimous consent. No response from the group. As a result, the agenda is approved.

1. The chair goes through the timeline (slide 17).
2. The chair goes through the call for contribution (slide 18)
3. The chair presents the telco Teleconference Times and the schedule for the f2f meeting (slides 19-20).
4. Presentation of submissions:

**11-24/0193r0, “Comment resolution for OST comments – Part 1”, Chaoming Luo (OPPO):** This submission resolves miscellaneous comments under ‘OST’ topic. The following CIDs are resolved: 4013, 4031, 4055, 4160, 4174, 4187, 4188, 4211, 4300, 4306.

CID 4013: No discussion.

CID 4031: Based on feedback from the group the CID is deferred.

CID 4055 and 4174: Some clarifying discussion.

CID 4187 and 4188: The CIDs have been deferred after some offline discussion.

CID 4160: No discussion.

CID 4211: No discussion.

CID 4300: Rather length discussion after which the COD is deferred.

CID 4306: No discussion.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4013, ~~4031~~, 4055, 4160, 4174, ~~4187, 4188~~, 4211, ~~4300~~, 4306, in 11-24/0193r1?

**Result:** Unanimously supported.

**11-24/0196r0, “Comment resolution for OST comments – Part 2”, Chaoming Luo (OPPO):** This submission resolves miscellaneous comments under ‘OST’ topic. The following CIDs are resolved: 4175, 4176, 4184.

CID 4175: No discussion.

CID 4176: No discussion.

CID 4184: Some clarifying discussion. As a result, the proposed resolution is slightly updated.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4175, 4176, 4184, in 11-24/0196r1.

**Result:** Unanimously supported.

**11-24/0203r0, “Comment resolution for CID 4099”, Ning Gao (OPPO):** This submission resolves CID 4099.

CID 4099: No discussion.

**Straw Poll:** Do you support the resolution to CID 4099 and incorporate the text changes into the latest TGbf draft in 11-24/0203r0?

**Result:** Unanimously supported.

**11-24/0192r0, “CR for SBP part in LB 281”, Xiandong Dong (Xiaomi):** This submission proposes resolutions for following 7 CIDs received for WG LB281:4006 4007 4009 4052 4053 4054.

 CID 4006: No discussion.

CID 4007: Some clarifying discussion and as a result the proposed resolution is changed to revised. The CID is deferred.

CID 4009: Based on feedback from the group the resolution is changed to revised and the CID is also deferred.

CID 4052: No discussion.

CID 4053: After some discussion the CID is deferred.

CID 4054: No discussion.

**Straw Poll:** Do you support the resolution to the following 3 CIDs and to incorporate the changes proposed in IEEE 802.11-24/0192r1 to the latest 11bf draft for the following CIDs: 4006 ~~4007~~ ~~4009~~ 4052 ~~4053~~ 4054 ?

 **Result:** Unanimously supported.

**11-24/0195r1, “LB281 comment resolutions for OST”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4091, 4148, 4193, 4092, 4149, 4150, 4194, 4093, 4152, 4153, 4203, 4094, 4154, 4155, 4156, 4157, 4158, 4095, 4162 and 4163.

CID 4091: No discussion.

CID 4148: No discussion.

CID 4193: No discussion.

CID 4092: No discussion.

CID 4149: No discussion.

CID 4150: No discussion.

CID 4194: No discussion.

CID 4093: No discussion.

CID 4152: No discussion.

CID 4153: No discussion.

CID 4203: Some clarifying discussion about updating one of the figures.

CID 4094: No discussion.

CID 4154: No discussion.

CID 4155: No discussion.

CID 4156: No discussion.

CID 4157: No discussion.

CID 4158: No discussion.

CID 4201: No discussion.

CID 4248: No discussion.

CID 4095: No discussion.

CID 4162: No discussion.

CID 4163: No discussion.

The SP is deferred.

**11-24/0137r1, “LB281 comment resolutions for Exchange part 1”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4087, 4088, 4136, 4209, 4210, 4200, 4096, 4097, 4171, 4172, 4199, 4207, 4208, 4289, 4098, 4202 and 4264.

CID 4087: No discussion.

CID 4088: No discussion.

CID 4136: No discussion.

CID 4209: No discussion.

CID 4210: No discussion.

Run out of time.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:59 pm.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 1/25 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 1/25 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 1/25 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 1/25 | Eitan, Alecsander | Qualcomm Technologies, Inc. |
| TGbf | 1/25 | feng, Shuling | MediaTek Inc. |
| TGbf | 1/25 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 1/25 | Luo, Chaoming | Beijing OPPO telecommunications corp., ltd. |
| TGbf | 1/25 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 1/25 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 1/25 | Tang, Zhuqing | Huawei Technologies Co., Ltd |
| TGbf | 1/25 | Wei, Dong | NXP Semiconductors |
| TGbf | 1/25 | Wilhelmsson, Leif | Ericsson AB |

**Tuesday, January 30, 2024, 9:00am - 11:00am (ET)**

**Meeting Agenda:**

The meeting agenda is shown below, and published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/24/11-24-0204-02-00bf-tgbf-meeting-agenda-2024-01-part2.pptx>

1. Call the meeting to order
2. Patent policy and logistics
3. TGbf Timeline
4. Call for contribution
5. Teleconference Times
6. Presentation of submissions
7. Any other business
8. Adjourn
9. The chair, Tony Han, calls the meeting to order at 9:01am ET (18 persons are on the call after 20 minutes of the meeting).
10. The chair goes through “Meeting Protocol, Attendance, Voting & Documentation Status” (slide 4), “Participants have a duty to inform the IEEE” (slide 6), and “Ways to inform IEEE” (slide 7).

The chair makes a Call for Potentially Essential Patents. No potentially essential patents reported, and no questions asked.

The chair goes through “Other Guideline for IEEE WG meetings” (slide 8), “Patent related information” (slide 9), “ IEEE SA Copyright Policy” (slides 10 and 11), “Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct” (slide 12), “Participants in the IEEE-SA “individual process” shall act independently of others, including employers”(slide 13), and “IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints” (slide 14), and “Required notices” (slide 15).

The chair goes through the agenda (slide 17) and asks if there are any question on the agenda. No response from the group.

The chair asks if there is any objection to approve the updated agenda by unanimous consent. No response from the group. As a result, the agenda is approved.

1. The chair goes through the timeline (slide 18).
2. The chair goes through the call for contribution (slide 19)
3. The chair presents the telco Teleconference Times and the schedule for the f2f meeting (slides 20 - 21).
4. Presentation of submissions:

**11-24/0195r3, “LB281 comment resolutions for OST”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4091, 4148, 4193, 4092, 4149, 4150, 4194, 4093, 4152, 4153, 4203, 4094, 4154, 4155, 4156, 4157, 4158, 4201, 4248, 4095, 4162 and 4163.

The presenter stated that Figure 9-1001bi is corrected and the contribution is updated to r3.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4091, 4148, 4193, 4092, 4149, 4150, 4194, 4093, 4152, 4153, 4203, 4094, 4154, 4155, 4156, 4157, 4158, 4201, 4248, 4095, 4162 and 4163 in 11-24/0195r3?

**Result:** Unanimously supported.

**11-24/0137r2, “LB281 comment resolutions for Exchange part 1”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4087, 4088, 4136, 4209, 4210, 4200, 4096, 4097, 4171, 4172, 4199, 4207, 4208, 4289, 4098, 4202 and 4264.

CID 4200: Editorial change is made. Steam is corrected to stream.

CID 4096: No discussion.

CID 4171: No discussion.

CID 4172: No discussion.

CID 4199: No discussion.

CID 4207: No discussion.

CID 4208: No discussion.

CID 4289: No discussion.

CID 4098: No discussion.

CID 4202: No discussion.

CID 4264: No discussion.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4087, 4088, 4136, 4209, 4210, 4200, 4096, 4097, 4171, 4172, 4199, 4207, 4208, 4289, 4098, 4202 and 4264 in 11-24/0137r3?

**Result:** Unanimously supported. Document will be updated to r3 and uploaded.

**11-24/0190r0, “LB281-DMG-CID-set1”, Alecsander Eitan (Qualcomm):** This document proposes resolution to LB281 CIDs: 4118, 4119, 4127, 4128 and 4129

CID 4118: No discussion.

CID 4119: No discussion.

CID 4127: No discussion.

CID 4128: No discussion.

CID 4129: No discussion.

**Straw Poll:** Do you agree with the proposed resolutions in revision 0 of this document?

**Result:** Unanimously supported.

**11-24/0191r0, “LB281-DMG-CID-4117”, Alecsander Eitan (Qualcomm):** This document proposes resolution to LB281 CIDs: 4117

CID 4117: No discussion.

**Straw Poll:** Do you agree with the proposed resolutions in revision 0 of this document?

**Result:** Unanimously supported.

**11-24/0217r0, “CR for SBP part2 in LB 281”, Xiandong Dong (Xiaomi):** This submission proposes resolutions for following 6 CIDs received for LB281: 4086 4307 4007 4009 4053 4047.

 CID 4086: Editorial comment. Change firstly to first.

CID 4307: Offline discussion was made with a commenter. The commenter accepted rejection reason.

CID 4007: No discussion

CID 4009: In the resolution, document number is denoted as xxx. Change it to a correct document number. Editorial change. Change a SBP to an SBP.

CID 4053: No discussion

CID 4047: After some discussion the CID is deferred.

**Straw Poll:** SP: Do you support the resolution to the following 5 CIDs and to incorporate the changes proposed in IEEE 802.11-24/0217r1 to the latest 11bf draft for the following CIDs: 4086 4307 4007 4009 4053 ~~4047~~?

**Result:** Unanimously supported. Document will be updated to r1 and uploaded.

The chair asked Ali on the progress of reassigning comments through negotiation. Ali replied that no negotiation is ongoing and if the commenter does not agree with the resolution, then the commenter will have to bring own resolution. The commenter will reach out to Ali.

Chair will wait 1 or 2 days to decide the necessity of Thursday call.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 9:59 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 1/30 | AbidRabbu, Shaima' | IMU, VESTEL |
| TGbf | 1/30 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 1/30 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 1/30 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 1/30 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 1/30 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbf | 1/30 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 1/30 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 1/30 | Schweizer, Benedikt | Apple Inc. |
| TGbf | 1/30 | Wei, Dong | NXP Semiconductors |
| TGbf | 1/30 | Zhong, Ke | Ruijie Networks Co., Ltd. |

**Tuesday, February 6, 2024, 9:00am - 11:00am (ET)**

**Meeting Agenda:**

The meeting agenda is shown below, and published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/24/11-24-0246-00-00bf-tgbf-meeting-agenda-2024-02-03.pptx>

1. Call the meeting to order
2. Patent policy and logistics
3. TGbf Timeline
4. Call for contribution
5. Teleconference Times
6. Presentation of submissions
7. Any other business
8. Adjourn
9. The chair, Tony Han, calls the meeting to order at 9:01am ET (18 persons are on the call after 15 minutes of the meeting).
10. The chair goes through “Meeting Protocol, Attendance, Voting & Documentation Status” (slide 4), “Participants have a duty to inform the IEEE” (slide 6), and “Ways to inform IEEE” (slide 7).

The chair makes a Call for Potentially Essential Patents. No potentially essential patents reported, and no questions asked.

The chair goes through “Other Guideline for IEEE WG meetings” (slide 8), “Patent related information” (slide 9), “ IEEE SA Copyright Policy” (slides 10 and 11), “Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct” (slide 12), “Participants in the IEEE-SA “individual process” shall act independently of others, including employers”(slide 13), and “IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints” (slide 14), and “Required notices” (slide 15).

The chair goes through the agenda (slide 16) and asks if there are any question on the agenda. No response from the group.

The chair asks if there is any objection to approve the updated agenda by unanimous consent. No response from the group. As a result, the agenda is approved.

1. The chair goes through the timeline (slide 17) and points out that the next milestone is the Conditional EC Approval SA Ballot in March.
2. The chair goes through the call for contribution (slide 18).
3. The chair presents the telco Teleconference Times. The next call will be on the 26th of February. Claudio gives a status update.
4. Presentation of submissions:

**11-24/0210r1, “Resolutions for SBP CIDs for LB281-Part 2”, Cheng Chen (Intel):** This submission proposes resolutions to the following comments submitted in LB281 under SBP topic. The CIDs are referring to D3.0. The text used as reference is D3.0.

CIDs: 4048 4050 4056

CID 4048: No discussion.

CID 4050: Some clarifying discussion.

CID 4056: No discussion.

**Straw Poll:** Do you support the proposed resolutions to the CIDs in revision 2 of this document and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-24/0202r1, “LB281 resolutions on primitive-related comments”, Narengerile (Huawei):** This document proposes the LB281 comment resolution for CIDs 4068, 4080, 4291, 4177, 4037.

CID 4068: No discussion.

CID 4080: No discussion.

CID 4291: No discussion.

CID 4177: A typo is identified in the proposed resolution. No discussion.

CID 4037: Some clarifying discussion.

**Straw Poll:** Do you agree to the resolution provided for CIDs 4068, 4080, 4291, 4177, 4037 in 24/0202r2 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-24/0194r0, “LB281 comment resolutions for Reporting”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4090 and 4212.

CID 4090: No discussion.

CID 4212: No discussion.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4090 and 4212 in 11-24/0194r1?

**Result:** Unanimously supported.

**11-24/0245r0, “LB281 comment resolutions for DMG part 1”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 4067, 4066, 4078 and 4065.

CID 4067: No discussion.

CID 4066: No discussion.

CID 4078: No discussion.

CID 4065: The proposed resolution is changed from accept to revised.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 4067, 4066, 4078 and 4065 in 11-24/0245r1?

**Result:** Unanimously supported.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 10:13 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 2/6 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 2/6 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 2/6 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbf | 2/6 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 2/6 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbf | 2/6 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 2/6 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 2/6 | Schweizer, Benedikt | Apple Inc. |
| TGbf | 2/6 | Wei, Dong | NXP Semiconductors |
| TGbf | 2/6 | Wilhelmsson, Leif | Ericsson AB |