IEEE P802.11  
Wireless LANs

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| IEEE 802.11bf – Teleconference Minutes September - November 2023 | | | | |
| Date: 2023-10-31 | | | | |
| Author(s): | | | | |
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| Sang Kim | LGE |  |  |  |

Abstract

This document contains minutes for the TG 802.11bf teleconferences in September - November 2023.

Rev 0: Minutes for TG 802.11bf teleconference on the 19th of September.

Rev 1: Minutes for TG 802.11bf teleconference on the 21st of September added.

Rev 2: Two errors in the CID numbering corrected and one typo corrected.

Rev 3: Minutes for TG 802.11bf teleconference on the 25th of September added.

Rev 4: Minutes for TG 802.11bf teleconference on the 10th of October added.

Rev 5: Minutes for TG 802.11bf teleconference on the 12th of October added.

Rev 6: Minutes for TG 802.11bf teleconference on the 16th of October added.

Rev 7: Lists of attendees for the six teleconference calls are added.

Rev 8: Minutes for TG 802.11bf teleconference on the 24th of October added.

Rev 9: Minutes for TG 802.11bf teleconference on the 26th of October added.

Rev 10: Minutes for TG 802.11bf teleconference on the 31st of October added.

Rev 11: Minutes for TG 802.11bf teleconference on the 2nd of November added.

**Tuesday, September 19, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1650-01-00bf-tgbf-meeting-agenda-2023-09.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 10:00 am ET (24 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. Contributions 11-23/1487, 11-23/1476, and 11-23/1474 are deferred due to more offline discussions needed and the absence of the contributor.

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 call for contribution (slide 18)
3. The chair presents the telco Teleconference Times (slides 19 and 20).

The chair stated that teleconference times and f2f information are separated into 2 slides. The chair goes through the planned teleconferences after the f2f and asks if there are any comments. No response from the group.

The chair also announces that he intends to request 8 slots for the November f2f as we hopefully will be targeting to generate D3.0 out of that meeting. Suggestion was made to have 7 slots by cancelling the Thursday PM2, but it is decided to keep 8 slots as of now and will revisit one week before November f2f to check whether it is needed or not.

Claudio gives a status update. He accommodated around 90% of the comments resolved so far and will send D2.1 to Tony and Robert Stacey.

1. Presentation of submissions:

**11-23/1552r0, “LB 276 CR for CIDs on Reporting, Exchange, and OST”, Mahmoud Kamel (InterDigital):** This submission proposes resolutions for 11 CIDs (3295, 3394, 3396, 3399, 3417, 3473, 3303, 3069, 3070, 3402, 3486) in subclause 9.4.1.73.1, 9.4.2.320, 9.3.1.19.1, 11.55.1 in P802.11bf D2.0.

CID 3394: No discussion.

CID 3417: No discussion.

CID 3295: No discussion.

CID 3396: No discussion.

CID 3397: No discussion.

CID 3473: When AID 11 subfield is 0, an unassociated case is missing. The CID is deferred for further offline discussion.

CID 3303: It is stated that the comment is not clear to understand. SBP initiator may not request report (local consuming). If it wants, then it can request it. This implies that “reporting” is not always needed. The CID is deferred for further offline discussion.

CID 3069: The CID is deferred for further offline discussion.

CID 3070: No discussion.

CID 3402 & 3486: The capital “S” and “C” are used because Status Code is used as a name of a field. When referring to the value of a field, small “s” and “c” are used. Mahmoud mentioned that he enlisted the names of the field. Claudio will handle the issue and will add “field” after Status Code.

**11-23/1633r0, “LB276 CR for CIDs on SR2SR Variant”, Dong Wei (NXP):**

This document aims to resolve the following LB276 comments: CIDs 3177, 3178, 3196, 3197, 3215, 3317, 3319, 3338, 3493, and 3543.

CID 3177: No discussion.

CID 3197: Claudio stated that it is already clear enough to add more description. We don’t need to provide every detail on field. It is decided not to add more description. The commenter agreed.

CID 3196 and 3197: Resolutions will be changed from “Accepted” to “Rejected”. Dong will add the reasons for rejection.

CID 3215: Question was raised if 2 measurements per responder is possible in one availability window. Ali stated that sensing receiver role is “1” in availability window, but sensing transmitter role can be many in availability window.

CID 3317: No discussion.

CID 3319: A suggestion is made that the sentence is not constructive. It should be straight forward to the point, not opening the door for another discussion. Dong will have offline discussion with Chaoming and bring a new revision next time.

CID 3338: Suggestion is made that we keep the sentence as it is and add “If no polling, the polling is reserved.” New text will be discussed and brought back next time.

CID 3493: No discussion.

CID 3543: No discussion.

No SP is run today and it is decided the contribution is still in the queue.

**11-23/1634r0, “LB276 CR for CID 3082”, Dong Wei (NXP):** This document aims to resolve the following LB276 comment: CID 3082.

**Straw Poll**: Do you agree to the resolution provided in the document 11-23/1634r0 for CID 3082?

**Result:** Unanimously supported.

**11-23/1635r0, “Draft 2.0 Bug Fix: Comeback field”, Dong Wei (NXP):** This document aims to fix a bug on Comeback field.

**Straw Poll**: Do you agree to the text change to Draft P802.11bf\_D2.0 proposed in document 11-23/1635r0?

**Result:** Unanimously supported.

**11-23/1653r0, “Proposed resolutions for editorial comments on D2.0 - Part 1”, Claudio da Silva (Meta Platforms):** This document contains proposed resolutions for editorial comments on D2.0 (LB276).

**Straw Poll**: Do you agree to the resolution provided in the document 11-23/1653r0 for CIDs CIDs: 3420, 3160, 3202, 3401, 3251, 3325, 3021, 3488, 3424, 3405, 3172, 3252, 3539, 3132, 3058, 3328, 3135, 3257, 3014, 3259, 3136, 3329, 3428, 3323, 3368, 3262, 3263, 3264, 3097, 3015, 3124, 3430, 3029, 3016, 3030, 3271, 3272, 3125, 3432, 3274, 3275, 3276, 3437, 3277, 3278, 3008, 3530, 3474, 3436, 3475, 3222, 3416, and 3013?

**Result:** Unanimously supported.

The chair stated that motions will be run after the first week of October, probably October 10th or 12th. A motion request will be sent out after September 26th.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:54 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 9/19 | Alayedi, Mohanad | Istanbul Medipol University, Vestel |
| TGbf | 9/19 | Aygul, Mehmet | VESTEL; IMU |
| TGbf | 9/19 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 9/19 | Bredewoud, Albert | Broadcom Corporation |
| TGbf | 9/19 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 9/19 | da Silva, Claudio | Meta Platforms; PWC, LLC |
| TGbf | 9/19 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 9/19 | feng, Shuling | MediaTek Inc. |
| TGbf | 9/19 | Gao, Ning | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbf | 9/19 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 9/19 | Li, Xin | Huawei Technologies Co., Ltd |
| TGbf | 9/19 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 9/19 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 9/19 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 9/19 | Schweizer, Benedikt | Apple Inc. |
| TGbf | 9/19 | Sosack, Robert | Molex Incorporated |
| TGbf | 9/19 | Wei, Dong | NXP Semiconductors |
| TGbf | 9/19 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |

**Thursday, September 21, 2023, 11:00pm - 01:00am (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1650-03-00bf-tgbf-meeting-agenda-2023-09.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 11:00 pm ET (23 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 17) and asks if there are any question on the agenda. The chair explains that one contribution from Pei is missing. Claudio explains that his contribution 1654 has to be deferred until next time, but asks to get 10 minutes to give a status update. Pei asks to present after Naren and the group agrees with this.

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 call for contribution (slide 19)
3. The chair presents the telco Teleconference Times (slides 20) and asks if it OK with the group to run the motions on the 10th of October. No objection from the group. The chair presents the plan for the f2f.

Claudio announces that D2.1 has been published, which contains about 25% of the comments received on D2.0. Claudio encourages people to check to make sure that there are no mistakes.

Claudio explains that there are risks with proposed changes that basically implies global changes as these may imply a risk for mistakes and that the draft has to be changed which eventually may mean that we may have more drafts before having a stable one. Therefore, proposed changes on e.g. terminology should preferably be discussed now rather than making formal comments on the draft.

1. Presentation of submissions:

11-23/1474r1, “LB276 CR for OST related editorial CIDs”, Atsushi Shirakawa (Sharp Corporation): This submission proposes resolutions for CID 3003, 3004, 3005, 3006, 3032, 3033, 3034, 3071, 3081, 3093, 3094, 3131, 3213, 3340, 3342, 3398, 3399, 3404, 3480, 3481, 3487 received for TGbf LB276.

Rev 0 has been presented, but CID 1657 has been removed in r1 and moved to another contribution. In addition, the format of the document has been updated. No updates of the proposed resolutions.

**Straw Poll:** Do you agree to the resolution provided for following CIDs 3003, 3004, 3005, 3006, 3032, 3033, 3034, 3071, 3081, 3093, 3094, 3131, 3213, 3340, 3342, 3398, 3399, 3404, 3480, 3481, 3487 in r2 of this document to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1633r1, “LB276 CR for CIDs on SR2SR Variant”, Dong Wei (NXP):**

This document aims to resolve the following LB276 comments: CIDs 3177, 3178, 3196, 3197, 3215, 3317, 3319, 3338, 3493, and 3543.

CIDs 3196 and 3197: No discussion.

CID 3319: No discussion.

CID 3338: Some clarifying discussion. It is pointed out by the group that there may be another related CID handled by Dongguk and as a result this CID is deferred.

**Straw Poll:** Do you agree to the resolutions provided in the document 11-23/1633r2for the following CIDs: 3177, 3178, 3196, 3197, 3215, 3317, 3319, ~~3338,~~ 3493, and 3543?

**Result:** Unanimously supported.

**11-23/1648r1, “Bug fix – MLME-SENSREPORTRQ primitives”, Narengerile (Huawei):**

This document addresses a technical issue mentioned during offline discussions about MLME-SENSREPORTRQ primitives.

**Straw Poll:** Do you agree to include the proposed draft text in DCN 23/1648r1 in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1487r1, “LB276 CR for CIDs on Sensing capabilities exchange”, Pei Zhou (TCL):**

This submission proposes resolutions to the following LB276 CIDs. 3044, 3045, 3047, 3205, 3339, 3391, 3479.

Revision 0 has been presented and Pei goes through the made updates.

CID 3045: No discussion.

CID 3047: No discussion.

**Straw Poll:** Do you approve resolutions to CIDs 3044, 3045, 3047, 3205, 3339, 3391, 3479,

as specified in doc.: 11-23/1487r1 and incorporate the text changes into the latest TGbf draft.

**Result:** Unanimously supported.

**11-23/1651r1, “LB276 CR for CIDs on Exchange and Reporting”, Zhanjing Bao (TCL):** This document proposes resolutions to the following comments submitted in LB276.

CIDs: 3084, 3089, 3105, 3108, 3109, 3142, 3218, 3321

CIDs 3084. 3089, 3105, and 3142: No discussion.

CIDs 3109 and 3218: Some clarifying discussion. Claudio asks to get the Visio file.

CID 3108 and 3321: No discussion.

As one of the figures is moved, it is proposed to add a reference to the figure in the text where the text used to be.

**Straw Poll:** Do you support the proposed resolutions to the CIDs 3084, 3089, 3105, 3108, 3109, 3142, 3218, 3321 and incorporate the changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-23/1661r0, “LB276 comment resolutions for OST part 1”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 3158, 3425, 3471, 3505, 3168 and 3489.

CIDs 3158, 3425, 3471 and 3505: No discussion.

CIDs 3168 and 3489: Some editorial remarks by the editor. As a result the document will be updated to r1.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 3158, 3425, 3471, 3505, 3168 and 3489 in 11-23/1661r1?

**Result:** Unanimously supported.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 00:30 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 9/21 | Bao, Zhanjing | TCL |
| TGbf | 9/21 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 9/21 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 9/21 | da Silva, Claudio | Meta Platforms; PWC, LLC |
| TGbf | 9/21 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 9/21 | feng, Shuling | MediaTek Inc. |
| TGbf | 9/21 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 9/21 | Li, Xin | Huawei Technologies Co., Ltd |
| TGbf | 9/21 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 9/21 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 9/21 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 9/21 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbf | 9/21 | Wei, Dong | NXP Semiconductors |
| TGbf | 9/21 | Wilhelmsson, Leif | Ericsson AB |
| TGbf | 9/21 | Zhou, Pei | TCL |

**Monday, September 25, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1650-05-00bf-tgbf-meeting-agenda-2023-09.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 10:00 am ET (23 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 18) and asks if there are any question on the agenda. Mahmoud announces that he may be able to present contribution 1552 today.

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 19).
2. The chair goes call for contribution (slide 20)
3. The chair presents the telco Teleconference Times (slides 21) and announces the the call tomorrow may be cancelled.

Claudio goes through the D2.0 status. We have resolved 43% up until now.

1. Presentation of submissions:

**11-23/1654r1, “Proposed resolutions for technical comments on D2.0 - Part 1”, Claudio da Silva (Intel):** This document contains proposed resolutions for technical comments on D2.0 (LB276). The text used as reference is D2.1.

CIDs: 3442, 3369, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3018, 3019, 3020

CIDs 3442, 3369: No discussion.

CIDs 3443, 3444, and 3445: No discussion.

CID 3446: Some clarifying discussion.

CIDs 3447, 3448, 3449, and 3450: No discussion.

CIDs 3451, 3452, 3453, and 3454: No discussion.

CIDs 3455, 3456, 3457, and 3458: No discussion.

CIDs 3459, 3460, 3461, 3462, and 3463: No discussion.

CID 3464: No discussion.

CID 3018: No discussion.

CID 3019: No discussion.

CID 3020: No

**Straw Poll:** Do you support the proposed resolutions in r2 of this contribution?

**Result:** Unanimously supported.

**11-23/1592r0, “****LB276 CR for Threshold-based Reporting - Part 1”, Mengshi Hu (Huawei):** This submission contains the proposed comment resolutions of CIDs in 23/1394 LB276 comments and approved resolutions.

The following CIDs related to the threshold-based reporting are resolved:

All the related CIDs in Clause 9: 3017, 3066, 3150, 3360, 3361

Some CIDs in Clause 11: 3365, 3366

CID 3017: No discussion.

CID 3150: No discussion.

CID 3360: No discussion.

CID 3361: No discussion.

CID 3066: No discussion.

CID 3365: No discussion.

CID 3366: No discussion.

**Straw Poll:** Do you support the proposed resolutions in this contribution?

**Result:** Unanimously supported.

**11-23/1640r1, “LB276 CR for Threshold-based Reporting - Part 2”, Mengshi Hu (Huawei):** This submission contains the proposed comment resolutions of CIDs in 23/1394 LB276 comments and approved resolutions.

The following CIDs related to the threshold-based reporting are resolved:

All the remaining CIDs related to the threshold-based reporting in Clause 11: 3059, 3060, 3061, 3064, 3067, 3134, 3180, 3181, 3182, 3183, 3184, 3256, and 3364.

CIDs 3059, 3060, 3061, 3064, 3067, 3134, 3180, 3181, 3182, 3183, 3256, 3364: Some clarifying discussion related to 3061

CID 3184: Some clarifying discussion.

**Straw Poll:** Do you support the proposed resolutions in r2 of this contribution?

**Result:** Unanimously supported.

**11-23/1552r1, “LB 276 CR for CIDs on Reporting, Exchange, and OST”, Mahmoud Kamel (InterDigital):** This submission proposes resolutions for 10 CIDs (3295, 3394, 3396, 3399, 3417, 3473, 3069, 3070, 3402, 3486) in subclause 9.4.1.73.1, 9.4.2.320, 9.3.1.19.1, 11.55.1 in P802.11bf D2.0.

Revision 0 has been presented in a previous session and Mahmoud goes through the updates that have been made based on the feedback from the group.

CID 3473: Discussion with respect to that this has an impact on the baseline. As a result this CID is deferred.

**Strawpoll:** Do you support the proposed resolutions to the 10 CIDs (3295, 3394, 3396, 3399, 3417, ~~3473,~~ 3069, 3070, 3402, 3486) in r2 and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

1. Any other business. Tony announces that he will cancel the meeting tomorrow.
2. The meeting is adjourned without objection at 11:54 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 9/25 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 9/25 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 9/25 | da Silva, Claudio | Meta Platforms; PWC, LLC |
| TGbf | 9/25 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 9/25 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbf | 9/25 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 9/25 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbf | 9/25 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 9/25 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 9/25 | Sahoo, Anirudha | National Institute of Standards and Technology |
| TGbf | 9/25 | Wei, Dong | NXP Semiconductors |
| TGbf | 9/25 | Wilhelmsson, Leif | Ericsson AB |
| TGbf | 9/25 | Yano, Kazuto | Advanced Telecommunications Research Institute International (ATR) |

**Tuesday, October 10, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-03-00bf-tgbf-meeting-agenda-2023-10.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. Motions (429-438)
8. Any other business
9. Adjourn
10. The chair, Tony Han, calls the meeting to order at 10:00 am ET (19 persons are on the call after 15 minutes of the meeting).
11. 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.

The chair is informed that Chaoming is not able to join the call. Alecsander announces that he has a presentation and will send an email requesting to present shortly.

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 call for contribution (slide 18)
3. The chair presents the telco Teleconference Times (slides 19) and announces the the call tomorrow may be cancelled.

Tony goes through the D2.0 status. We have resolved 53% up until now.

1. Motions

**Motion 429: Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:**

* CIDs: 3420, 3160, 3202, 3401, 3251, 3325, 3021, 3488, 3424, 3405, 3172, 3252, 3539, 3132, 3058, 3328, 3135, 3257, 3014, 3259, 3136, 3329, 3428, 3323, 3368, 3262, 3263, 3264, 3097, 3015, 3124, 3430, 3029, 3016, 3030, 3271, 3272, 3125, 3432, 3274, 3275, 3276, 3437, 3277, 3278, 3008, 3530, 3474, 3436, 3475, 3222, 3416, 3013
* as specified in 11-23/1653r0 ‘Proposed resolutions for editorial comments on D2.0 - Part 1’.

**Move:** Sang Kim

**Second:** Ali Raissinia

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1653r0
* SP Result: Unanimous consent

**Motion 430:** Move to include the text proposed in the following document into the IEEE 802.11bf draft amendment:

* as specified in DCN 23/1648r1

**Move:** Narengerile

**Second:** Alecsander Eitan

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 23/1648r1
* SP Result: Unanimous consent

**Motion 431:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3044, 3045, 3047, 3205, 3339, 3391, 3479,
* as specified in doc.: 11-23/1487r1

**Move:** Rui Du

**Second:** Ali Raissinia

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1487r1
* SP Result: Unanimous consent

**Motion 432:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3003, 3004, 3005, 3006, 3032, 3033, 3034, 3071, 3081, 3093, 3094, 3131, 3213, 3340, 3342, 3398, 3399, 3404, 3480, 3481, 3487
* - as specified in 23/1474r2

**Move:** Ali Raissinia

**Second:** Sang Kim

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 23/1474r2
* SP Result: Unanimous consent

**Motion 433:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* + CIDs: 3158, 3425, 3471, 3505, 3168 and 3489.
  + as specified in doc.: 11-23/1661r2

**Move:** Rui Du

**Second:** Alecsander Eitan

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1661r2
* SP Result: Unanimous consent

**Motion 434:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3084, 3089, 3105, 3108, 3109, 3142, 3218, 3321
* as specified in doc.: 11-23/1651r3

**Move:** Cheng Chen

**Second:** Rui Du

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1651r3
* SP Result: Unanimous consent

**Motion 435:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs:3017, 3066, 3150, 3360, 3361, 3365, 3366
* as specified in doc.: 11-23/1592r0

**Move:** Naren

**Second:** Zhuqing Tang

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1592r0
* SP Result: Unanimous consent

**Motion 436:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs:3059, 3060, 3061, 3064, 3067, 3134, 3180, 3181, 3182, 3183, 3184, 3256, 3364
* as specified in doc.: 11-23/1640r2

**Move:** Zhuqing Tang

**Second:** Rui Du

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1640r2
* SP Result: Unanimous consent

**Motion 437:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3295, 3394, 3396, 3397, 3417, 3473, 3069, 3070, 3402, 3486
* as specified in doc.: 11-23/1552r3

**Move:** Mahmoud Kamel

**Second:** Rui Du

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1552r3
* SP Result: Unanimous consent

**Motion 438:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3442, 3369, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3018, 3019, 3020
* as specified in doc.: 11-23/1654r2

**Move:** Sang Kim

**Second:** Ali Raissinia

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1654r2
* SP Result: Unanimous consent

1. Presentation of submissions:

**11-23/1668r0, “Resolutions for Exchange Comments in LB276 – Part 2”, Cheng Chen (Intel):** This submission proposes resolutions to the following comments submitted in LB276 under Exchange topic. The CIDs are referring to D2.0. The text used as reference is D2.1.

CIDs: 3057 3221 3363 3411

CID 3057: No discussion.

CID 3221: No discussion.

CID 3363: Some clarifying discussion.

CID 3411: Some clarifying discussion.

**Straw Poll:** Do you support the proposed resolutions to the CIDs and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-23/1659r0, “LB276 resolutions on primitive-related comments – Part 4”, Narengerile (Huawei):** This document proposes the comment resolution for CID 3110 and 3111.

CIDs 3110 and 3111: Some typos are corrected during the presentation, no discussion on the proposed resolutions.

**Straw Poll:** Do you agree to the resolution provided for CIDs 3110 and 3111 in 23/1659r1 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1698r0, “LB276-DMG-CID-set3”, Alecsander Eitan (Qualcomm):** This document proposes resolution to LB276 CIDs: 3421 and 3440.

CID 3421: No discussion.

CID 3440: No discussion.

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

**Result:** Unanimously supported.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:13 am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 10/10 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 10/10 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 10/10 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 10/10 | Gao, Ning | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbf | 10/10 | Hsu, Ostrovsky | Xiaomi Communications Co., Ltd. |
| TGbf | 10/10 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbf | 10/10 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 10/10 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 10/10 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 10/10 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 10/10 | Sand, Stephan | German Aerospace Center (DLR) |
| TGbf | 10/10 | Schweizer, Benedikt | Apple Inc. |
| TGbf | 10/10 | Sosack, Robert | Molex Incorporated |
| TGbf | 10/10 | Wang, Pu | Mitsubishi Electric Research Labs (MERL) |
| TGbf | 10/10 | Wei, Dong | NXP Semiconductors |
| TGbf | 10/10 | Wilhelmsson, Leif | Ericsson AB |

**Thursday, October 12, 2023, 11:00pm - 01:00am (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-05-00bf-tgbf-meeting-agenda-2023-10.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 11:01 pm ET (21 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 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 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 call for contribution (slide 19)
3. The chair presents the telco Teleconference Times (slides 20) and CR status.
4. Presentation of submissions:

**11-23/1657r0, “LB276 CR for OST CID 3068”, Atsushi Shirakawa (Sharp Corporation):** This submission proposes resolutions for CID 3068 received for TGbf LB276

CID 3068: No discussion.

**Straw Poll:** Do you agree to the resolution provided for following CIDs 3068 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1577r3, “Comment resolution for CIDs 3279 and 3346”, Chaoming Luo (OPPO):** This submission resolves CID 3279 and 3346.

CID 3346 has been discussed and straw polled at an earlier time.

CID 3279: Some clarifying discussion.

**Straw Poll:** Do you support resolutions to the following CID and incorporate the text changes into the latest TGbf draft: 3279, in 11-23/1577r3?

**Result:** Unanimously supported.

**11-23/1476r1, “LB276 comment resolutions for reporting”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 3077, 3078, 3087, 3378 and 3380.

CIDs 3077, 3078, 3087, 3380, and 3378: Rather long discussion about the formulations and as a result some text is added.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 3077, 3078, 3087, 3378 and 3380 in 11-23/1476r2?

**Result:** Unanimously supported.

**11-23/1634r1, “LB276 CR for CID 3082”, Dong Wei (NXP):** This document aims to resolve the following LB276 comment: CID 3082.

CID 3082: Some clarifying discussion.

**Straw Poll:** Do you agree to the resolution provided in the document 11-23/1634r1for CID 3082?

**Result:** Unanimously supported.

**11-23/1485r2, “LB276 Resolutions on primitive-related comments – Part 2”, Narengerile (Huawei):** This document proposes the comment resolution for CID 3022, 3497, 3498, 3025.

CIDs 3022, 3497, 3498, and 3025: Some clarifying discussion and as a result it is identified that a small update to the document has to be made. As a consequence, the SP is deferred.

**11-23/1678r1, “LB276 CR for OST CID 3068”, Atsushi Shirakawa (Sharp Corporation):**

This submission proposes resolutions for CID 3074, 3156, 3157, 3159, 3309, 3310, 3313, 3314, 3336, 3400, 3478, 3491 received for TGbf LB276.

CID 3310: No discussion.

CID 3159: No discussion.

CID 3156: No discussion.

CID 3157: No discussion.

CID 3309: No discussion.

CID 3400: No discussion.

CID 3313: Some clarifying discussion.

CID 3314: No discussion.

CID 3336: No discussion.

CID 3478: Run out of time.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 01:01am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 10/12 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 10/12 | Dong, Xiandong | Xiaomi Inc. |
| TGbf | 10/12 | Eitan, Alecsander | Qualcomm Technologies, Inc. |
| TGbf | 10/12 | Hsu, Ostrovsky | Xiaomi Communications Co., Ltd. |
| TGbf | 10/12 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbf | 10/12 | Kim, Sang Gook | LG ELECTRONICS |
| TGbf | 10/12 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 10/12 | Luo, Chaoming | Beijing OPPO telecommunications corp., ltd. |
| TGbf | 10/12 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 10/12 | Olip, John | Broadcom Corporation |
| TGbf | 10/12 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 10/12 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbf | 10/12 | Tang, Zhuqing | Huawei Technologies Co., Ltd |
| TGbf | 10/12 | Wei, Dong | NXP Semiconductors |
| TGbf | 10/12 | Wilhelmsson, Leif | Ericsson AB |

**Monday, October 16, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-06-00bf-tgbf-meeting-agenda-2023-10.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 10:00 am ET (23 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 18) and asks if there are any question on the agenda. Rui Du explains that he would like to defer his presentation until next week.

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

1. The chair goes through the timeline (slide 19).
2. The chair goes call for contribution (slide 20).
3. The chair presents the telco Teleconference Times (slides 21) and explains that the teleconference call tomorrow may be cancelled unless there are more requests to present.

Claudio explains that he will update the CR status later today based on the motions run last week. Claudio also suggests that he will release a new revision after the motions on the 31st of October and ask the group to review so that the updates are correct.

1. Presentation of submissions:

**11-23/1485r3, “LB276 Resolutions on primitive-related comments – Part 2”, Narengerile (Huawei):** This document proposes the comment resolution for CID 3022, 3497, 3498, 3025.

Revision 2 of this document was presented in the previous teleconference and Naren goes through the updates.

**Straw Poll:** Do you agree to the resolution provided for CIDs 3022, 3497, 3498, 3025 in 23/1485r3 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1678r1, “LB276 CR for OST CID 3068”, Atsushi Shirakawa (Sharp Corporation):** This submission proposes resolutions for CID 3074, 3156, 3157, 3159, 3309, 3310, 3313, 3314, 3336, 3400, 3478, 3491 received for TGbf LB276.

CID 3478: No discussion.

CID 3491: Based on some feedback from the group, the proposed resolution is changed from accepted to revised.

CID 3074: Based on feedback from the group, the proposed resolution is changed from rejected to revised.

Since the document is updated, it needs to be updated to r2.

**Straw Poll:** Do you agree to the resolution provided for following CIDs 3074, 3156, 3157, 3159, 3309, 3310, 3313, 3314, 3336, 3400, 3478, 3491 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1446r1, “Enabling fully functional 320 MHz sensing”, Cheng Chen (Intel):** This contribution discusses a technical proposal to enable fully functional 320 MHz sensing for 11bf and the associated changes needed for 11bf D2.0 for this proposal.

Q: I am concerned about having 11bk as a baseline as this is a moving target. 11bf is ahead of 11bk.

A: I have talked to Robert Stacey and others, and it should be perfectly OK to do as suggested.

Some rather detailed discussion with respect to the above concern.

Tony goes through page 24 and checks the status for the different CIDs. It looks very promising.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:23am.

**List of Attendees:**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbf | 10/16 | Beg, Chris | Cognitive Systems Corp. |
| TGbf | 10/16 | Bredewoud, Albert | Broadcom Corporation |
| TGbf | 10/16 | CHENG, yajun | Xiaomi Communications Co., Ltd. |
| TGbf | 10/16 | Eitan, Alecsander | Qualcomm Technologies, Inc. |
| TGbf | 10/16 | Gao, Ning | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbf | 10/16 | Kamel, Mahmoud | InterDigital, Inc. |
| TGbf | 10/16 | Kasher, Assaf | Qualcomm Incorporated |
| TGbf | 10/16 | Lim, Dong Guk | LG ELECTRONICS |
| TGbf | 10/16 | narengerile, narengerile | Huawei Technologies Co., Ltd |
| TGbf | 10/16 | Raissinia, Alireza | Qualcomm Incorporated |
| TGbf | 10/16 | Sahoo, Anirudha | National Institute of Standards and Technology |
| TGbf | 10/16 | Sand, Stephan | German Aerospace Center (DLR) |
| TGbf | 10/16 | Schweizer, Benedikt | Apple Inc. |
| TGbf | 10/16 | Shirakawa, Atsushi | SHARP CORPORATION |
| TGbf | 10/16 | Wei, Dong | NXP Semiconductors |
| TGbf | 10/16 | Wilhelmsson, Leif | Ericsson AB |
| TGbf | 10/16 | Zhou, Lei | H3C Technologies Co., Limited |

**Tuesday, October 24, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-08-00bf-tgbf-meeting-agenda-2023-10.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 10:00 am ET (24 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 19) 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 agenda by unanimous consent. No response from the group. As a result, the agenda is approved.

1. The chair goes through the timeline (slide 20).
2. The chair goes call for contribution (slide 21).
3. The chair presents the telco Teleconference Times (slides 22 -24). The chair also briefly goes though the proposal for the January f2f meeting.
4. Presentation of submissions:

**11-23/1669r0, “LB276 comment resolutions for DMG part 1”, Rui Du (Huawei):** This submission contains the proposed comment resolutions for the CIDs 3113, 3114, 3510, 3511, 3512 and 3514.

CIDs 3113 and 3114: No discussion.

CID 3510: No discussion.

CID 3511: No discussion.

CID 3512: No discussion.

CID 3514: Some clarifying discussion.

**Straw Poll:** Do you support resolutions to the following CIDs and incorporate the text changes into the latest TGbf draft: 3113, 3114, 3510, 3511, 3512 and 3514 in 11-23/1669r0?

**Result:** Unanimously supported.

**11-23/1563r0, “LB276 Resolutions on primitive-related comments – Part 3”, Narengerile (Huawei):** This document proposes the comment resolution for CIDs 3007, 3283, 3145, 3193, 3307, and 3282.

CIDs 3007 and 3283: No discussion.

CID 3145: No discussion.

CIDs 3193 and 3307: No discussion.

CID 3382: No discussion.

Naren prefers to defer the SP to give the group some time to digest the proposed resolutions.

**11-23/1721r1, “LB276 Resolutions on primitive-related comments – Part 5”, Narengerile (Huawei):** This document proposes the comment resolution for CID 3439, ~~3500,~~ 3023, 3495, 3496.

CID 3439: Some clarifying discussion.

CIDs 3023, 3495, and 3496: No discussion.

Naren prefers to defer the SP to give the group some time to digest the proposed resolutions.

**11-23/1721r1, “TPE update for unassociated STA”, Ali Raissinia (Qualcomm):**

* 802.11bf allows an unassociated STA to participate in sensing operations
* Similar to situations in 802.11bk, an unassociated STA needs to learn critical update included in a Transmit Power Envelope (TPE) element
* It is not defined yet on how an unassociated STA learns the critical update of TPE as indicated by CID # 3155
* Define a procedure for such update and make it similar to that defined in 11bk to maximize the reuse

Q:On slide 4, if there is no reporting phase how does this work.

A: Technically there is a reporting phase.

Q: You mentioned that it is due to possible regulation change, how often can that happen?

A: Can be often, you need to get the info from FCC. Could be once per day.

Q: Is the constraint per channel or per band?

A: It is per channel.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:58am.

**Thursday, October 26, 2023, 11:00pm - 01:00am (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-10-00bf-tgbf-meeting-agenda-2023-10.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 11:00 pm ET (22 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 20)

1. The chair goes through the timeline (slide 21).
2. The chair goes call for contribution (slide 22).
3. The chair presents the telco Teleconference Times (slides 23 -25). The chair also briefly goes though the proposal for the January f2f meeting.
4. Presentation of submissions:

**11-23/1563r0, “LB276 Resolutions on primitive-related comments – Part 3”, Narengerile (Huawei):** This document proposes the comment resolution for CIDs 3007, 3283, 3145, 3193, 3307, and 3282.

Naren presented this contribution is the previous teleconference call, but the SP was deferred as Naren had to check one of the proposed resolutions with the commenter. This has now been done.

**Straw Poll:** Do you agree to the resolution provided for CIDs 3007, 3283, 3145, 3193, 3307, 3282 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1721r2, “LB276 Resolutions on primitive-related comments – Part 5”, Narengerile (Huawei):** This document proposes the comment resolution for CID 3439, 3500, 3023, 3495, 3496.

Naren presented this contribution in the previous teleconference call, except CID 3500.

CID 3500: No discussion.

**Straw Poll:** Do you agree to the resolutions provided for CIDs 3439, 3500, 3023, 3495, 3496 in 23/1721r2 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

**11-23/1787r0, “Discussion on Decline Duration Indication field”, Rui Du (Huawei):** The contribution relates to CIDs 3535, 3516, and 3517.

A typo is found in the SP, so the document needs to be updated to r1.

**Straw Poll:** Do you support to add ‘Decline Duration Indication field’ to the follow frames:

* SBP Response frame
* DMG Sensing Measurement Response frame
* DMG SBP Response frame

**Note:** the definition of ‘Decline Duration Indication field’ to be added in the above frames is same with the field in Sensing Measurement Response frame (i.e. request the initiator not to send a new request frame within the time indicated in this field).

**Result:** Unanimously supported.

**11-23/1715r0, “LB276 comment resolutions for measurement session”, Zhuqing Tang (Huawei):** This submission proposes resolutions to the following comments submitted in LB276 under measurement session topic.

CIDs: 3129, 3311, 3312, 3534

CID 3129: Based on feedback from the group, the proposed resolution is changed from accepted to revised and some instructions to the editor is added.

CIDs 3311 and 3312: Some clarifying discussion. It is suggested that the text possibly should have been put in another part of the document. It is requested by the group to get some more time to review these two CIDs and possible resolutions.

CID 3534: There is a comment from the group that although the resolution is OK, it will have significant impact in that many changes will have to be done in the specification. As a consequence, the proposed resolution is (prelimimnary) changed from revised to rejected.

It is agreed that more work is needed offline.

**11-23/1670r0, “LB276 comment resolutions for measurement session”, Zhuqing Tang (Huawei):** This submission proposes resolutions to the following comments submitted in LB276 under measurement exchange topic.

CIDs: 3085, 3100 and 3316

CID 3085: No discussion.

CID 3100: No discussion.

CID 3316: The proposed resolution is changed from accepted to revised.

**Straw Poll:** Do you support the proposed resolutions in r1 to the CIDs 3085, 3100 and 3316 and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:58pm.

**Tuesday, October 31, 2023, 10:00am - 12:00pm (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1716-12-00bf-tgbf-meeting-agenda-2023-10.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. Motion (439 - 447)
8. Any other business
9. Adjourn
10. The chair, Tony Han, calls the meeting to order at 10:00 am ET (23 persons are on the call after 15 minutes of the meeting).
11. 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 21) and asks if there are any questions on the agenda. No response from the group.

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

1. The chair goes through the timeline (slide 22). The chair announces that he has preliminary updated the timeline. The inention is to discuss this more in a future meeting.
2. The chair goes call for contribution (slide 23).
3. The chair presents the telco Teleconference Times and f2f meetings (slides 24 -28).
4. Motions:

**Motion 439:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3177, 3196, 3197, 3215, 3317, 3319, 3493, and 3543
* as specified in doc.: 11-23/1633r4, “LB276 CR for CIDs on SR2SR Variant”.

**Move:** Dong Wei

**Second:** Sang Kim

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1633r4
* SP Result: Unanimous consent

**Motion 440:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3057 3221 3363 3411
* as specified in doc.: 11-23/1688r0

**Move:** Cheng Chen

**Second:** Sang Kim

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1688r0
* SP Result: Unanimous consent

**Motion 441:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3110, 3111
* as specified in doc.: 11-23/1659r1

**Move:** Narengerile

**Second:** Ali Raissinia

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1659r1
* SP Result: Unanimous consent

**Motion 442:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3421 and 3440
* as specified in doc.: 11-23/1698r0

**Move:** Rui Du

**Second:** Ali Raissinia

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1698r0
* SP Result: Unanimous consent

**Motion 443:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3279
* as specified in doc.: 11-23/1577r3

**Move:** Chaoming Luo

**Second:** Rui Du

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1577r3
* SP Result: Unanimous consent

**Motion 444:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3082
* as specified in doc.: 11-23/1634r1, “LB276 CR for CID 3082”.

**Move:** Dong Wei

**Second:** Naren

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1634r1, “LB276 CR for CID 3082”.
* SP Result: Unanimous consent

**Motion 445:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3068
* as specified in doc.: 23/1657r0

**Move:** Ali Raissinia

**Second:** Mahmoud Kamel

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 23/1657r0
* SP Result: Unanimous consent

**Motion 446:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3077, 3078, 3087, 3378 and 3380
* as specified in doc.: 11-23/1476r2

**Move:** Rui Du

**Second: Ali Raissinia**

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1476r2
* SP Result: Unanimous consent

**Motion 447:** Move to approve resolutions to the following CIDs listed in the following document and incorporate the text changes into the latest TGbf draft:

* CIDs: 3022, 3497, 3498, 3025
* as specified in doc.: 11-23/1485r3

**Move:** Narengerile

**Second: Rui Du**

**Result:** Motion passed by unanimous consent

**Note：**

* Related document 11-23/1485r3
* SP Result: Unanimous consent

1. Presentation of submissions:

**11-23/1715r1, “LB276 comment resolutions for measurement session”, Zhuqing Tang (Huawei):** This submission proposes resolutions to the following comments submitted in LB276 under measurement session topic.

CIDs: 3129, 3311, 3312, 3534

Zhuqing presented r0 in the previous teleconference call and has updated the text based on feedback from the group.

CID 3129: No discussion.

CIDs 3311 and 3312: No discussion.

CID 3534: No discussion.

**Straw Poll:** Do you support the proposed resolutions to the CIDs 3129, 3311, 3312, 3534 and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-23/1821r1, “Comment resolution for CID 3381”, Ning Gao(OPPO):** This submission resolves CID 3381.

CID 3381: Based on feedback from the group, it is agreed that the wording needs to be slightly updated with references to the table for the Golay sequences.

As a consequence of the need for update, the SP is deferred.

**11-23/1862r1, “LB 276 CR for CID 3126”, Mahmoud Kamel(InterDigital):** This submission proposes resolutions for CID 3126 in subclause 11.55.1.2 in P802.11bf D2.0.

CID 3126: Q: If 8 bits is enough, I don’t see why anyone would implement 10 bits.

Q: I share this view.

**Straw Poll 1:** Do you prefer option 1 or option 2 as a resolution to CID 3126?

**Result:** Option1/Option2/Abs: 1/7/8

Based on the results of SP1 and some feedback from the group, the contribution is updated to r2.

**Straw Poll 2:** Do you agree to the resolution provided for CID 3126 in 23/1862r2 to be included in the latest 11bf Draft?

**Result:** Unanimously supported.

1. Any other business. No response from the group.
2. The meeting is adjourned without objection at 11:14am.

**Thursday, November 02, 2023, 11:00pm - 01:00am (ET)**

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/23/11-23-1880-01-00bf-tgbf-meeting-agenda-2023-11.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 11:00 pm ET (22 persons are on the call after 30 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 questions on the agenda. No response from the group.

The chair asks if there is any objection to approve the 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). The chair announces that he has preliminary updated the timeline and is working on remaining ballots, especially on SA ballot. Initial thought on SA ballot shared with WG officiers. The intention is to discuss this more in a future meeting.
2. The chair goes call for contribution (slide 19).
3. The chair presents the telco Teleconference Times and f2f meetings (slides 20 -23). 8 slots were requested for November f2f meeting, but we will check next week whether we need all of them or not based on the progress.

The editor went over the CR status and we have about 66% (2/3) of CRs are already motioned and ready for motion. It is quite possible things can be done in November meeting. He stated that document will be updated after today’s call.

1. Presentation of submissions:

**11-23/1822r0, “Proposed resolutions for technical comments on D2.0 - Part 2”, Claudio da Silva (Meta):** This document contains proposed resolutions for technical comments on D2.0 (LB276). The text used as reference is D2.1.

CIDs: 3009, 3536

CID 3536: No discussion.

CIDs 3009: Keep the resolution as “Accepted”.

**Straw Poll:** Do you support the proposed resolutions to the CIDs 3009 and 3536 and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-23/1820r1, “Proposed resolutions for editorial comments on D2.0 - Part 2”, Claudio da Silva (Meta):** This document contains proposed resolutions for technical comments on D2.0 (LB276). The text used as reference is D2.1.

CIDs: 3012, 3133, 3192, 3254, 3255, 3268, 3386, 3429, 3492, 3419, 3373, 3359, 3347.

CID 3012: No discussion.

CID 3133: No discussion.

CID 3192: The presenter showed TGme draft to support his resolution. No further question raised.

CID 3254: No discussion.

CID 3255: No discussion.

CID 3268: No discussion.

CID 3386: No discussion.

CID 3429: No discussion.

CID 3492: Question was raised on the use of “receipt” and “reception” in TGbf. The presenter stated that it is used interchangeably in TGbf, but “receipt” will be used in maintenance group to maintain the consistency. No further question raised.

CID 3419: No discussion.

CID 3373: It was point out that 11az is already incorporated into Revme D4.1 text. The presenter stated that it is useful information, but resolution is still correct.

CID 3359: No discussion.

CID 3347: No discussion.

**Straw Poll:** Do you support the proposed resolutions to the CIDs 3012, 3133, 3192, 3254, 3255, 3268, 3386, 3429, 3492, 3419, 3373, 3359, 3347and incorporate the text changes into the latest TGbf draft?

**Result:** Unanimously supported.

**11-23/1662r0, “Comment Resolutions for 11bf D2.0 Sensing Measurement Report Container field CIDs”, Rojan Chitrakar (Huawei):** This submission proposes resolutions of comments received from TGbf LB276 (TGbf Draft 2.0).

CIDs: 3011, 3031, 3223, 3301 (4 CIDs)

CID 3011: No discussion.

CID 3031: It is mention that Nb = 8 is only supported. Further comment is that we don’t need the entire row. The resolution will not be changed and editor will take care that. No further question raised.

CID 3223: No discussion.

CID 3301: No discussion.

**Straw Poll:** Do you agree to incorporate the changes proposed in IEEE 802.11-23/1662r0 to the latest 11bf draft for the following CIDs? 3011, 3031, 3223, 3301 (4 CIDs)

**Result:** Unanimously supported.

**11-23/1845r1, “LB276 comment resolutions on CIDs related to Rx\_OP\_Gain\_Type and Rx\_OP\_Gain\_Index”, Julia Feng (Mediatek):** This submission proposes resolutions to the following comments submitted in LB276 related to Rx\_OP\_Gain\_Type and Rx\_OP\_Gain\_Index. The CIDs are referring to D2.0. The proposed changes apply to D2.0.

CIDs: 3300(E), 3335, 3362, 3324(E)

CID 3300: No discussion.

CIDs 3335: The presenter provided two options asking for preference. Options 2 are preferred by the group. This change will be updated in EHT Table too.

Q: If “CSI\_ESTIMATE” is marked as “Optional” in RXVECTOR, then “RX\_OP\_Gain\_Type” and “RX\_OP\_Gain\_Index” are also marked as “Optional”.

C: Since this is truly mandatory for sensing STA, keep “Y” as it is.

The chair stated that the document should be updated based on the discussion and be brought for further discussion and approval.

**11-23/1821r2, “Comment resolution for CID 3381”, Ning Gao (OPPO):** This submission resolves CID 3381.

CID 3381: The commenter for this CID stated that the resolution is good and acceptable.

**Straw Poll:** Do you support the resolution to CID 3381 and incorporate the text changes into the latest TGbf draft in 11-23/1821r2?

**Result:** Unanimously supported.

**11-23/1893r0, “Support of Sensing using Legacy STAs in 11bf”, Mahmoud Kamel (InterDigital):** This submission addresses CID 3523.

C: Legacy STA does not understand an availability window. The application can take care of this issue. No change is required in the Spec.

C: Several rounds of discussion are already done in the phase of 11bf development. RTS-CTS is for normal transmission. Any frame can be used for legacy STA without any standard support.

A: The presenter acknowledged the points raised by the commenters. If he still sees the value of the proposal, then he will come back.

1. Since we don’t have many contributions in the queue, the next Monday (11/06/2023) will be cancelled.
2. Any other business. No response from the group.
3. The meeting is adjourned without objection at 01:04 am.