IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| TGbe January to March 2024 teleconference agendas | | | | |
| Date: 2024-03-06 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |
| Liwen Chu | NXP |  |  | liwen.chu@nxp.com |
| Jeongki Kim | Ofinno |  |  | jeongki.kim.ieee@gmail.com |
| Sigurd Schelstraete | MaxLinear |  |  | sschelstraete@maxlinear.com |
| Tianyu Wu | Apple |  |  | tianyu@apple.com |

Abstract

This document contains the draft agenda for January to March 2024 TGbe teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Revision with updated ad-hoc chairs and with initial SA results.
* Rev 2: Added some guidelines for MAC/Joint.
* Rev 3: Updated after first conf calls.
* Rev 4: Included new submissions requests/reports, and cancellation of 2nd PHY conf call.
* Rev 5-7: Updated after the second conf calls.
* Rev 8-9: Updated after the third conf call, and cancellation of 4th PHY conf call.
* Rev 10: Updated after the last conf call.

|  |  |
| --- | --- |
| **TG Chair:** Alfred Asterjadhi (Qualcomm Inc) | |
| **1st Vice Chair:** Laurent Cariou (Intel) | **2nd Vice Chair:** Matthew Fischer (Broadcom) |
| **Secretary:** Jason Y. Guo (Huawei) | **Technical Editor:** Edward Au (Huawei) |
| **PHY Ad-Hoc Chair:**Sigurd Schelstraete (MaxLinear)  **PHY Ad-Hoc Chair:**Tianyu Wu (Apple) | **MAC Ad-Hoc Chair:**Jeongki Kim (Ofinno)  **MAC Ad-Hoc Chair:**Liwen Chu (NXP) |

## TGbe uses WebEx for its Telecons:

* Please identify yourself when Joining, by filling in your name and affiliation:
  + Also please precede your name and affiliation with your voting status:
    - (V=Voter, N= Non-Voter, P=Potential Voter, A=Aspirant Voter)
  + Format for overall participant’s detail: “[V] John Doe (Affiliation)”

## Teleconferences Overview

**Feb 07 (Wednesday) – MAC/PHY 10:00-12:00 ET**

**Feb 14 (Wednesday) – No Conf Call Holiday**

**Feb 21 (Wednesday) – MAC/PHY 10:00-12:00 ET**

**Feb 28 (Wednesday) – Joint\* 10:00-12:00 ET**

**Mar 06 (Wednesday) – MAC/PHY 10:00-12:00 ET**

**We’ll use the following bridges:**

* Bridge for **JOINT and MAC: Webex meeting (802 Seat 3):** See *e-mail sent to reflector*
  + Meeting number: *Please refer to e-mail sent to reflector.*
  + Meeting password: wireless
* Bridge for **PHY:** **Webex meeting (802 Seat 4):** See *e-mail sent to reflector.*
  + Meeting number: *Please refer to e-mail sent to reflector.*
  + Meeting password: wireless

## Comment Resolution Progress–Statistics (03/06/2024)

### Initial SA CR Monthly Status



### Initial SA CR Overall Status



## Top 20: Assignees with a high number of pending CIDs (02/22/24)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assignee** | **Total** | **Pending for resolution** | **Ready for motion** | **Resolution drafted but no consensus yet** |
| Binita Gupta | 56 | 56 | 0 | 0 |
| Laurent Cariou | 43 | 43 | 0 | 0 |
| Rubayet Shafin | 43 | 43 | 0 | 0 |
| Michael Montemurro | 18 | 18 | 0 | 0 |
| Ming Gan | 17 | 17 | 0 | 0 |
| Abhishek Patil | 15 | 15 | 0 | 0 |
| Arik Klein | 15 | 15 | 0 | 0 |
| Muhammad Kumail Haider | 14 | 14 | 0 | 0 |
| EDITOR | 45 | 13 | 28 | 4 |
| Minyoung Park | 13 | 13 | 0 | 0 |
| Duncan Ho | 8 | 8 | 0 | 0 |
| Qi Wang | 7 | 7 | 0 | 0 |
| Yuchen Guo | 7 | 7 | 0 | 0 |
| Liwen Chu | 6 | 6 | 0 | 0 |
| Subir Das | 6 | 6 | 0 | 0 |
| Guogang Huang | 5 | 5 | 0 | 0 |
| Yongho Seok | 5 | 5 | 0 | 0 |
| Youhan Kim | 5 | 5 | 0 | 0 |
| Yunbo Li | 5 | 5 | 0 | 0 |
| Bin Tian | 4 | 4 | 0 | 0 |

## Initial SA Comment Resolution Queues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **#CIDs** | **Session** |
| [309r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0309-00-00be-sa-ballot-on-d5-0-resolution-for-tpe-and-trigger-frame.docx) | SA ballot on D5.0: Res. for TPE and Trigger frame | Yanjun Sun | Pending | 4 | Joint |
| [313r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0313-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0-part-3.docx) | CR for misc. comments on init. SA ballot on D5.0–p3 | Edward Au | R4M-14C | 14 | Joint |
| [346r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0346-00-00be-initial-sa-ballot-cr-for-cid-22290-on-ndpa-frame-format.docx) | Init. SA Ballot CR for CID 22290 on NDPA frame format | Mahmoud Kamel | R4M-1C | 1 | Joint |
| 381r0 | CR\_CID22289 | Xiaogang Chen | Pending (ETA: March F2F) | 1 | Joint |
| 374r0 | CR for CID 22179 and 22180 | Bo Gong | Pending (ETA: March F2F) | 2 | Joint |
| [430r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0430-00-00be-proposed-resolution-to-alignment-issue-in-figure-9-416.ppt) | Proposed Res. to Alignment issue in Figure 9-416 | Mark Hamilton | Pending | N/A | Joint |
| [368r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0368-00-00be-resolutions-for-cid-22177.docx) | Resolutions for CID 22177 | Jianhan Liu | Pending | 1 | Joint |
| **End Of Joint Queue** | | | | | |
| [*256*](https://mentor.ieee.org/802.11/dcn/24/11-24-0256-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0.docx) | *CR for misc. comments on init. SA ballot on D5.0* | *Edward Au* | *Approved-18C*  R4M-2C  3C-Deferred SP | *21* | *MAC* |
| [*258*](https://mentor.ieee.org/802.11/dcn/24/11-24-0258-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0-part-2.docx) | *CR for misc. comments on init. SA ballot on D5.0–p2* | *Edward Au* | *Approved-10C*  R4M-1C | *11* | *MAC* |
| [293r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0293-00-00be-sa-ballot-cr-for-35-3-7-5-2.docx) | SA ballot: CR for 35.3.7.5.2 | Arik Klein | Presented 03/06  Deferred SP | 9 | MAC |
| [294r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0294-00-00be-sa-ballot-cr-for-35-3-7-5.docx) | SA ballot: CR for 35.3.7.5 | Arik Klein | Presented 03/06  Deferred SP | 6 | MAC |
| [289r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0289-00-00be-tgbe-sa1-security-comment-resolutions.docx) | TGbe SA1 Security Comment Resolutions | Mike Montemurro | R4M-14C | 14 | MAC |
| [296r4](https://mentor.ieee.org/802.11/dcn/24/11-24-0296-04-00be-cr-for-miscellaneous-cids.docx) | CR for Miscellaneous CIDs | Po-Kai Huang | R4M-22C  Pending SP-5C | 27 | MAC |
| [297r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0297-00-00be-tgbe-sa1-resolution-to-cid-22097.docx) | TGbe SA1 Resolution to CID 22097 | Mike Montemurro | R4M-1C | 1 | MAC |
| [298r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0298-00-00be-tgbe-sa1-eapol-key-notation-cleanup.docx) | TGbe SA1 EAPOL Key notation cleanup | Mike Montemurro | R4M-1C | 1 | MAC |
| [304r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0304-00-00be-d5-0-cr-for-ml-reconfiguration-part-1.docx) | D5.0 CR for ML Reconfiguration part 1 | Binita Gupta | R4M-20C  2C-Deferred | 42 | MAC |
| [292r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0292-00-00be-resolution-of-definition-related-cids-sa-ballot.docx) | Resolution of Definition-Related CIDs (SA Ballot) | John Wullert | Pending (ETA: End of Feb) | 3 | MAC |
| [291r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0291-00-00be-resolution-of-epcs-related-cids-sa-ballot.docx) | Resolution of EPCS-related CIDs (SA Ballot) | John Wullert | Pending (ETA: End of Feb) | 6 | MAC |
| 312r0 | D5.0 CR for CID-22055 & 22192 | Kaiying Lu | Pending (ETA: End of Feb) | 3 | MAC |
| 305r0 | SA-cr-for-RCM-relevant-CIDs | Jay Yang | Pending (ETA: March F2F) | 3 | MAC |
| [319r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0319-00-00be-cr-for-miscellaneous-cids-part-ii.docx) | CR for Miscellaneous CIDs Part II | Po-Kai Huang | Pending (ETA: March F2F) | 2 | MAC |
| 321r0 | Initial SA Ballot CR for CID 22159 | Juseong Moon | Pending (ETA: March F2F) | 1 | MAC |
| 322r0 | ISB CR for 35.3.7.2.4 | Jason Y. Guo | Pending (ETA: March F2F) | 6 | MAC |
| 323r0 | ISB CR for CID 22390 | Jason Y. Guo | Pending (ETA: March F2F) | 1 | MAC |
| 324r0 | CR for 802.11be ISB | Laurent Cariou | Pending (ETA: March F2F) | 43 | MAC |
| 325r0 | CR for miscellaneous CIDs on MLO | Giovanni Chisci | Pending (ETA: March) | 5 | MAC |
| 338r0 | CR for CIDs related to rTWT | George Cherian | Pending (ETA: March F2F) | 3 | MAC |
| 326r0 | SA1: Resolution for CIDs assigned to Abhi | Abhishek Patil | Pending (ETA: March F2F) | 10 | MAC |
| [300r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0300-00-00be-proposed-resolutions-for-cid-22382-cid-22383.docx) | Proposed Resolutions for CID-22382 & CID-22383 | Salvatore Talarico | Presented 03/06  Deferred SP | 2 | MAC |
| 329r0 | SB1 Sounding Segmentation (CID 22373) | Youhan Kim | Pending (ETA: March F2F) | 1 | MAC |
| 334r0 | ISAB CIDs on TWT | Rubayet Shafin | Pending (ETA: March F2F) | 23 | MAC |
| 335r0 | ISAB CIDs on P2P | Rubayet Shafin | Pending (ETA: March F2F) | 20 | MAC |
| 261r0 | SA ballot CR for TTLM element | Mickael Lorgeoux | Pending (ETA: March F2F) | 1 | MAC |
| 339r0 | SA ballot CR for 35.1 | Ming Gan | Pending (ETA: March F2F) | 8 | MAC |
| 340r0 | SA Ballot CR for 35.3.16.8.3 | Ming Gan | Pending (ETA: March F2F) | 4 | MAC |
| 341r0 | SA Ballot CR for Miscellaneous CIDs | Ming Gan | Pending (ETA: March F2F) | 5 | MAC |
| 346r0 | Prop. Res. for CID 22320 and 22321 on initial SA ballot on D5.0 | Liuming Lu | Pending (ETA: March F2F) | 2 | MAC |
| 343r0 | TGbe Initial SA CR EMLSR misc | Minyoung Park | Pending (ETA: March F2F) | 12 | MAC |
| 347r0 | SA Ballot CR for A-MPDU in EHT PPDU | SunHee Baek | Pending (ETA: March F2F) | 1 | MAC |
| 350r0 | CR for CIDs on SCS | Dibakar Das | Pending (ETA: March F2F) | 2 | MAC |
| 353r0 | D5.0 CR for ML Reconfiguration part 2 | Binita Gupta | Pending (ETA: March F2F) | 9 | MAC |
| 354r0 | CR for Max Setup Link CIDs | Binita Gupta | Pending (ETA: March F2F) | 3 | MAC |
| 355r0 | CR for Misc. CIDs | Binita Gupta | Pending (ETA: March) | 2 | MAC |
| 356r0 | SA Ballot CR for STR | Insun Jang | Pending (ETA: March F2F) | 1 | MAC |
| [357r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0357-00-00be-initial-sa-ballot-cr-for-35-3-21-2.docx) | Initial SA Ballot CR for 35.3.21.2 | Guogang Huang | Pending | 5 | MAC |
| 358r0 | D5.0 CR for miscellaneous CIDs | Yunbo Li | Pending (ETA: March F2F) | 4 | MAC |
| 359r0 | D5.0 CR for P2P buffer report | Yunbo Li | Pending (ETA: March F2F) | 1 | MAC |
| 362r0 | Initial CA ballot Miscellaneous CIDs | Liwen Chu | Pending (ETA: March) | 6 | MAC |
| 365r0 | Proposed resolutions to 11be initial SA ballot CIDs on EMLSR link number | Qi Wang | Pending (ETA: March F2F) | 4 | MAC |
| 366r0 | Proposed resolution to 11be initial SA ballot CID on EMLSR co-ex indication | Qi Wang | Pending (ETA: April) | 3 | MAC |
| 367r0 | Proposed resolution to 11be initial SA ballot CID-22374 on EMLSR group addressed frames delivery | Qi Wang | Pending (ETA: March) | 1 | MAC |
| [363r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0363-00-00be-saballotd5-0-cid22216.docx) | SABallotD5.0 CID22216 | Thomas Derham | Pending | 1 | MAC |
| 364r0 | SA1: Resolution for CIDs assigned to | Sanket Halamkar | Pending (ETA: March) | 5 | MAC |
| 371r0 | D5.0 CR for CIDs on R-TWT-Part 1 | Kumail Haider | Pending (ETA: March F2F) | 9 | MAC |
| 372r0 | D5.0 CR for CIDs on R-TWT-Part 2 | Kumail Haider | Pending (ETA: March) | 5 | MAC |
| [373r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0363-00-00be-saballotd5-0-cid22216.docx) | SABallotD5.0-CID22342 | Thomas Derham | Pending | 1 | MAC |
| 376r0 | SB1 CR for Negotiation of TTLM | Yongho Seok | Pending (ETA: March) | 5 | MAC |
| [286r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0286-00-00be-proposed-resolution-for-cid-22236.docx) | Proposed-resolution-for-CID22236 | Yonggang Fang | Pending | 5 | MAC |
| 434r0 | CR for CID22344 | Jinyoung Chun | Pending (ETA: March) | 1 | MAC |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **End of MAC Queue** | | | | | |
| [273r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0273-01-00be-cr-1st-sa-ballot-subclause-3-2-1.docx) | cr-1st-sa-ballot-subclause-3-2-1 | Bo Sun | Pending | 3 | PHY |
| [260r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0260-00-00be-sa-ballots-cr-for-eht-sig-and-annex-z.docx) | SA ballots CR for EHT-SIG and Annex Z | Ross J. Yu | Pending | 2 | PHY |
| 315r0 | CRs on PHY comments from initial SA ballot | Bin Tian | Pending (ETA: March F2F) | 4 | PHY |
| 328r0 | SB1 20MHz-Only Limited Capabilities (CID 22381) | Youhan Kim | Pending (ETA: March F2F) | 1 | PHY |
| 330r0 | SB1 Miscellaneous CIDs (CIDs 22104, 22217, 22218) | Youhan Kim | Pending (ETA: March F2F) | 3 | PHY |
|  |  |  |  |  |  |
| **End of PHY Queue** | | | | | |
| R4M: Ready for Motion; Q4M: Queued for Motion (present in motion list); *Approved*: Included in the TGbe Draft.  NoM: No Consensus/Majority. Q: Quarantine, MF: Motion failed.; *W: Comment Withdrawed.* | | | | | |

## Teleconference Agendas

### 1st Conf. Call: February 07 (10:00–12:00 ET)–PHY

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via IMAT then please send an e-mail to Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com)) and Sigurd Schelstraete ([sschelstraete@maxlinear.com](mailto:sschelstraete@maxlinear.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
  + Initial SA ballot for TGbe D5.0 has closed. Approval rate is 82%.
  + A total of 411 comments were received, of which:
    - ~100 editorial, ~30 general, and ~290 technical.
    - ~20 comments are classified as PHY.
  + Please refer to the Editors report: [11-24/255r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0255-01-00be-tgbe-editor-s-report-on-initial-sa-ballot.ppt)
* Complete Comment Assignments from PHY tab: [11-24/254r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0254-01-00be-ieee-802-11be-initial-sa-ballot-comments.xlsx)
* CR Submissions:
  + None.
* AoB:
* Adjourn

### 1st Conf. Call: February 07 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
  + Initial SA ballot for TGbe D5.0 has closed. Approval rate is 82%.
    - A total of 411 comments were received – Editors report covers statistics.
* Editors report: [11-24/255r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0255-01-00be-tgbe-editor-s-report-on-initial-sa-ballot.ppt) Edward Au
* Planning/Guidelines for POCs:
  + Please make sure that by the **next Joint telco (Feb 28)**:
    - Re-assignment of CIDs to other POCs (below applies to other POCs as well)
    - Obtained DCNs for all the CRs docs that you are planning to present,
    - Send a request to include these CR docs to MAC/Joint queues,
    - Provide an ETA for when each CR doc is expected to be ready/uploaded,
      * CRs should be uploaded at least 24-hours prior to scheduled presentation.
  + CIDs of unresponsive POCs will be re-assigned during the **Joint telco**.
  + We will follow the guidelines during the initial SA (**item 11**: [11-20/984r16](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-16-00be-tgbe-teleconference-guidelines.docx)).
* Complete Comment Assignments from MAC tab: [11-24/254r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0254-01-00be-ieee-802-11be-initial-sa-ballot-comments.xlsx)
* CR Submissions:
  + [24/256](https://mentor.ieee.org/802.11/dcn/24/11-24-0256-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0.docx) CR for misc. comments on init. SA ballot on D5.0 Edward Au [21C]
  + [24/258](https://mentor.ieee.org/802.11/dcn/24/11-24-0258-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0-part-2.docx) CR for misc. comments on init. SA ballot on D5.0–p2 Edward Au [11C]
* AoB:
* Adjourn

### 2nd Conf. Call: February 21 (10:00–12:00 ET)–PHY

* **Cancelled**

### 2nd Conf. Call: February 21 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
  + [296r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0296-00-00be-cr-for-miscellaneous-cids.docx) CR for Miscellaneous CIDs Po-Kai Huang [24C]
  + [304r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0304-00-00be-d5-0-cr-for-ml-reconfiguration-part-1.docx) D5.0 CR for ML Reconfiguration part 1 Binita Gupta [42C]
    - Partially presented – continue from CID 22040
* AoB:
* Adjourn

### 3rd Conf. Call: February 28 (10:00–12:00 ET)–JOINT

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “<Joint TGbe > conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) and Alfred Asterjadhi ([asterjadhi@gmail.com](mailto:asterjadhi@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements: We are operating as a CRC and as such we don’t need to announce motions 10 days in advance for documents resolving comments.
  + Finalize Comment Assignment Confirmations And Pending Tasks as Stated Below
    - “Please make sure that by the **next Joint telco (Feb 28)**:
      * *Re-assignment of CIDs to other POCs (below applies to other POCs as well)*
      * *Obtained DCNs for all the CRs docs that you are planning to present,*
      * *Send a request to include these CR docs to MAC/Joint queues,*
      * *Provide an ETA for when each CR doc is expected to be ready/uploaded,*
        + *CRs should be uploaded at least 24-hours prior to scheduled presentation.*
    - *CIDs of unresponsive POCs will be re-assigned during the* ***Joint telco****.*
    - *We will follow the guidelines during the initial SA (****item 11****:* [*11-20/984r16*](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-16-00be-tgbe-teleconference-guidelines.docx)*).”*
* Editor’s Report: [11-24/255r2](https://mentor.ieee.org/802.11/dcn/24/11-24-0255-02-00be-tgbe-editor-s-report-on-initial-sa-ballot.ppt)
* CR Submissions-Joint:
  + [256r2](https://mentor.ieee.org/802.11/dcn/24/11-24-0256-02-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0.docx) CR for misc. comments on init. SA ballot on D5.0 Edward Au [1C SP]
  + [258r2](https://mentor.ieee.org/802.11/dcn/24/11-24-0258-02-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0-part-2.docx) CR for misc. comments on init. SA ballot on D5.0–p2 Edward Au [1C SP]
  + [313r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0313-00-00be-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d5-0-part-3.docx) CR for misc. comments on init. SA ballot on D5.0–p3 Edward Au [14C]
  + [309r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0309-00-00be-sa-ballot-on-d5-0-resolution-for-tpe-and-trigger-frame.docx) SA ballot on D5.0: Resolution for TPE and Trigger frame Yanjun Sun [4C]
  + [346r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0346-00-00be-initial-sa-ballot-cr-for-cid-22290-on-ndpa-frame-format.docx) Init. SA Ballot CR for CID 22290 on NDPA frame format Mahmoud Kamel [1C]
* CR Submissions-MAC:
  + [304r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0304-00-00be-d5-0-cr-for-ml-reconfiguration-part-1.docx) D5.0 CR for ML Reconfiguration part 1 Binita Gupta [42C]
  + [289r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0289-00-00be-tgbe-sa1-security-comment-resolutions.docx) TGbe SA1 Security Comment Resolutions Mike Montemurro [12C]
  + [297r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0297-00-00be-tgbe-sa1-resolution-to-cid-22097.docx) TGbe SA1 Resolution to CID 22097 Mike Montemurro [1C]
  + [298r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0298-00-00be-tgbe-sa1-eapol-key-notation-cleanup.docx) TGbe SA1 EAPOL Key notation cleanup Mike Montemurro [1C]
* Motions (last 20 mins): [11-24/442r39](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-38-00be-tgbe-motions-list-part-4.pptx)
* Late Confirmations & Re-assignments (if any): [11-24/254r3](https://mentor.ieee.org/802.11/dcn/24/11-24-0254-03-00be-ieee-802-11be-initial-sa-ballot-comments.xlsx) (follow up via e-mail)
* AoB: No time.
* Adjourn

### 4th Conf. Call: March 06 (10:00–12:00 ET)–PHY

* CANCELLED

### 4th Conf. Call: March 06 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
  + [289r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0289-01-00be-tgbe-sa1-security-comment-resolutions.docx) TGbe SA1 Security Comment Resolutions Mike Montemurro [12C]
  + [298r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0298-01-00be-tgbe-sa1-eapol-key-notation-cleanup.docx) TGbe SA1 EAPOL Key notation cleanup Mike Montemurro [1C]
  + [300r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0300-00-00be-proposed-resolutions-for-cid-22382-cid-22383.docx) Prop. Res. for CID-22382 & CID-22383 Salvatore Talarico [2C]
  + [~~363r0~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0363-00-00be-saballotd5-0-cid22216.docx) ~~SABallotD5.0 CID22216 Thomas Derham [1C]~~
  + [~~373r0~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0373-00-00be-saballotd5-0-cid22342.docx) ~~SABallotD5.0-CID22342 Thomas Derham [1C]~~
  + [293r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0293-01-00be-sa-ballot-cr-for-35-3-7-5-2.docx) SA ballot: CR for 35.3.7.5.2 Arik Klein [9C]
  + [294r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0294-00-00be-sa-ballot-cr-for-35-3-7-5.docx) SA ballot: CR for 35.3.7.5 Arik Klein [6C]
* AoB:
* Adjourn

## TGbe Guidelines document

* <https://mentor.ieee.org/802.11/dcn/20/11-20-0984-13-00be-tgbe-teleconference-guidelines.docx>

===========================================================================

## Patent And Procedures

### Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

* IEEE-SA Standards Board Bylaws

(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)

* IEEE-SA Standards Board Operations Manual (<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at <http://standards.ieee.org/about/sasb/patcom/materials.html>

**If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at** [**patcom@ieee.org**](mailto:patcom@ieee.org)

### Participation in IEEE 802 Meetings

All participation in IEEE 802 Working Group meetings is on an individual basis

* Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb\_bylaws.pdfsection 5.2.1](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdfsection%205.2.1))
* IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)
* Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.
* Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see <https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf> section 5.2.1.3 and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml> and Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-03-00EC-ieee-802-participation-slide.ppt>)

### Other guidelines for IEEE WG meetings

* All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  + Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
  + Don’t discuss specific license rates, terms, or conditions.
    - Relative costs of different technical approaches that include relative costs of patent licensing terms March be discussed in standards development meetings.
      * Technical considerations remain the primary focus
  + Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  + Don’t discuss the status or substance of ongoing or threatened litigation.
  + Don’t be silent if inappropriate topics are discussed … do formally object.

---------------------------------------------------------------

For more details, see IEEE-SA Standards Board Operations Manual, clause 5.3.10 and   
Antitrust and Competition Policy: What You Need to Know at <http://standards.ieee.org/develop/policies/antitrust.pdf>

### IEEE SA Copyright Policy

By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

* Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
* Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
* For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual

* IEEE SA Copyright Policy, see   
   Clause 7 of the IEEE SA Standards Board Bylaws  
   [https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html)  
   Clause 6.1 of the IEEE SA Standards Board Operations Manual  
   <https://standards.ieee.org/about/policies/opman/sect6.html>

IEEE SA Copyright Permission

* **Error! Hyperlink reference not valid.**[standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip](https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip)

IEEE SA Copyright FAQs

* <http://standards.ieee.org/faqs/copyrights.html/>

IEEE SA Best Practices for IEEE Standards Development

* **Error! Hyperlink reference not valid.**[standards.ieee.org/develop/policies/best\_practices\_for\_ieee\_standards\_development\_051215.pdf](http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf)

Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)

* <https://standards.ieee.org/about/policies/opman/sect6.html>

==================================================

Teleconferences (and ad-hocs) are subject to applicable policies and procedures, see below.

**IEEE Code of Ethics**

<http://www.ieee.org/about/corporate/governance/p7-8.html>

**IEEE Standards Association (IEEE-SA) Affiliation FAQ**

<http://standards.ieee.org/faqs/affiliation.html>

**Antitrust and Competition Policy**

<http://standards.ieee.org/resources/antitrust-guidelines.pdf>

**Letter of Assurance Form**

[http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#loa](http://standards.ieee.org/develop/policies/bylaws/sect6-7.html)

[https://development.standards.ieee.org/myproject/Public//mytools/mob/loa.pdf](http://standards.ieee.org/board/pat/pat-slideset.ppt)

**IEEE-SA Patent Committee FAQ & Patent slides**

<http://standards.ieee.org/board/pat/faq.pdf> and <http://standards.ieee.org/board/pat/pat-slideset.ppt>

**The current version of the IEEE-SA Standards Board Bylaws is available at:**

<http://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf> (PDF version)

**The current version of the IEEE-SA Standards Board Operations Manual is available at:**

<http://standards.ieee.org/develop/policies/opman/sb_om.pdf> (PDF version)

**IEEE 802 Policies & Procedures (Approved June 2014)**

<http://standards.ieee.org/board/aud/LMSC.pdf>

**IEEE 802 Operations Manual (Approved 13 July 2018)**

<https://mentor.ieee.org/802-ec/dcn/17/ec-17-0090-22-0PNP-ieee-802-lmsc-operations-manual.pdf>

**IEEE 802 Working Group Policies & Procedures (29 July 2016)**

<http://www.ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf>

**IEEE 802 LMSC Chair's Guidelines (Approved 13 July 2018)**

<https://mentor.ieee.org/802-ec/dcn/17/ec-17-0120-27-0PNP-ieee-802-lmsc-chairs-guidelines.pdf>

**Participation in IEEE 802 Meetings**

<https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

**IEEE 802.11 WG Operations Manual (Approved 13 July 2018):**

<https://mentor.ieee.org/802.11/dcn/14/11-14-0629-22-0000-802-11-operations-manual.docx>