IEEE P802.11  
Wireless LANs

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| TGbe May to July 2024 teleconference agendas | | | | |
| Date: 2024-06-27 | | | | |
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Abstract

This document contains the draft agenda for May to July 2024 TGbe teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-3: Updated the agenda for the first conf call.
* Rev 4-6: Updated after the first conf call. Includes change of June 26th conf call from Joint to PHY/MAC, population of queues, etc.
* Rev 7-9: Updated after the second conf call.
* Rev 10-11: Updated after the third conf calls. Includes newly added meeting on July 10th.

|  |  |
| --- | --- |
| **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)”

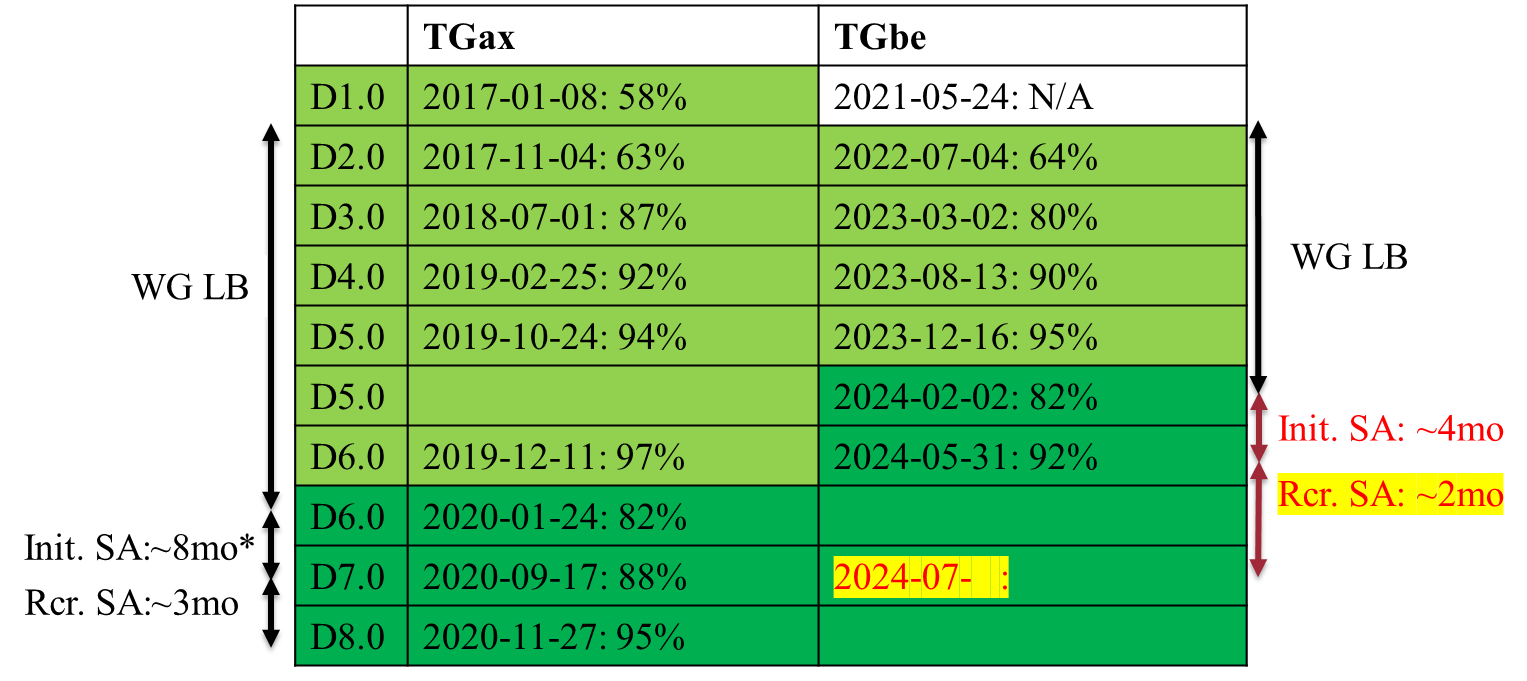
## Teleconferences Overview

* **June 12 (Wednesday) – Joint\* 10:00-12:00 ET**
* **June 19 (Wednesday) – Joint\* 10:00-12:00 ET**
* **June 26 (Wednesday) – PHY/MAC 10:00-12:00 ET**
* **July 03 (Wednesday) – Joint\* 10:00-12:00 ET**
* **July 10 (Wednesday) – Joint\* 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

## Progress Report & Estimates (06/01/2024)



## Comment Resolution Progress–Statistics (06/27/2024)

### Recirculation SA CR Monthly Status



\*Estimated targets do not account for the July F2F slots. Will be updated on or after July 3rd.

### Recirculation SA CR Overall Status



## Top 20: Assignees with a high number of pending CIDs (06/27/24)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assignee** | **Total** | **Pending for resolution** | **Resolution drafted but no consensus yet** | **Resolution approved** |
| Sanket Kalamkar | 16 | 16 | 0 | 0 |
| Arik Klein | 7 | 7 | 0 | 0 |
| Rubayet Shafin | 7 | 7 | 0 | 0 |
| Duncan Ho | 12 | 6 | 0 | 6 |
| Ming Gan | 6 | 6 | 0 | 0 |
| Minyoung Park | 3 | 3 | 0 | 0 |
| Kumail Haider | 2 | 2 | 0 | 0 |
| Binita Gupta | 31 | 1 | 1 | 29 |
| Insun Jang | 1 | 1 | 0 | 0 |
| Mark Hamilton | 1 | 1 | 0 | 0 |
| Xiaofei Wang | 1 | 1 | 0 | 0 |
| Youhan Kim | 11 | 1 | 0 | 10 |
| Abhishek Patil | 6 | 0 | 1 | 5 |
| EDITOR | 3 | 0 | 0 | 3 |
| Gaurang Naik | 1 | 0 | 0 | 1 |
| Giovanni Chisci | 2 | 0 | 0 | 2 |
| Jason Guo | 1 | 0 | 0 | 1 |
| Jay Yang | 2 | 0 | 2 | 0 |
| Jianhau Liu | 1 | 0 | 0 | 1 |
| Laurent Cariou | 7 | 0 | 2 | 5 |

## Recirculation SA Comment Resolution Queues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **#CIDs** | **Session** |
| [24/0991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-00-00be-cr-for-miscellaneous-cids.docx) | CR for Miscellaneous CIDs | Po-Kai Huang | R4M-30C  Def-1C | 31 | JOINT |
| [24/1004](https://mentor.ieee.org/802.11/dcn/24/11-24-1004-00-00be-tgbe-sa2-security-comment-resolutions.docx) | TGbe SA2 Security Comment Resolutions | Mike Montemurro | R4M-10C | 10 | JOINT |
| [24/1010](https://mentor.ieee.org/802.11/dcn/24/11-24-1010-00-00be-proposed-resolution-for-miscellaneous-comments-on-recirculation-sa-ballot-on-d6-0.docx) | Proposed resolution for miscellaneous comments on recirculation SA ballot on D6.0 | Edward Au | R4M-3C | 3 | MAC |
| [24/1006](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-00-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) | Recycle-SA-for-CIDs-in-subcaluse12.2.12 | Jay Yang | Presented | 2 | MAC |
| 24/1009 | CR for CID 23038 | Gaurang Naik | R4M-1C | 1 | MAC |
| [24/1007](https://mentor.ieee.org/802.11/dcn/24/11-24-1007-00-00be-cr-for-cid-23173.docx) | CR for CID 23137 | Xiaofei Wang | Pending (June 26) | 1 | JOINT |
| [24/1028](https://mentor.ieee.org/802.11/dcn/24/11-24-1028-00-00be-recirc-sa-cr-for-d6-0-cids.docx) | Recirc SA - CR for D6.0 CIDs | Binita Gupta | R4M-29C  Def-1C | 30 | MAC |
| [24/1051](https://mentor.ieee.org/802.11/dcn/24/11-24-1051-00-00be-resolutions-for-cids-assigned-to-sanket-sa-ballot-on-d6-0.docx) | Resolutions for CIDs assigned to Sanket - SA ballot on D6.0 | Sanket Kalamkar | Pending (July 03) | 16 | JOINT |
| [24/1043](https://mentor.ieee.org/802.11/dcn/24/11-24-1043-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25-part-2.docx) | CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Part 2 | Duncan Ho | Pending (July 03) | 6 | JOINT |
| [24/1022](https://mentor.ieee.org/802.11/dcn/24/11-24-1022-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25.docx) | CR for CIDs for 5.1.5.1 and 9.4.2.3.25 | Duncan Ho | R4M-6C | 6 | JOINT |
| 24/1042 | D6.0 Miscellaneous CIDs | Youhan Kim | R4M-10C | 10 | PHY |
| 24/1049 | Recirc SA CR Misc | Laurent Cariou | R4M-5C  Def-2C | 7 | MAC |
| [24/1018](https://mentor.ieee.org/802.11/dcn/24/11-24-1018-02-00be-resolution-for-cids-assigned-to-abhi-sa-ballot-on-d6-0.docx) | Resolution for CIDs assigned to Abhi - SA ballot on D6.0 | Abhishek Patil | R4M-5C  Def-1C | 6 | JOINT |
| [24/1030](https://mentor.ieee.org/802.11/dcn/24/11-24-1030-00-00be-recirculation-sa-ballot-cr-for-35-3-7-5.docx) | Recirculation SA Ballot: CR for 35.3.7.5 | Arik Klein | Pending (July 03) | 3 | JOINT |
| [24/1029](https://mentor.ieee.org/802.11/dcn/24/11-24-1029-00-00be-recirculation-sa-ballot-cr-for-9-6-13-9.docx) | Recirculation SA Ballot: CR for 9.6.13.9 | Arik Klein | Pending (June 26) | 4 | JOINT |
| 24/1067 | Recirculation-SA-Ballot-CR-for-MLO | Ming Gan | Pending (July 03) | 6 | JOINT |
| [24/1060](https://mentor.ieee.org/802.11/dcn/24/11-24-1060-00-00be-recirc-sab-cr-on-twt.docx) | Recirc SAB CR on TWT | Rubayet Shafin | Pending (June 26) | 3 | JOINT |
| [24/1061](https://mentor.ieee.org/802.11/dcn/24/11-24-1061-00-00be-recirc-sab-cr-on-misc-cids.docx) | Recirc SAB CR on Misc CIDs | Rubayet Shafin | Pending (June 26) | 4 | JOINT |
| 24/1040 | D6.0 CR for miscellaneous CIDs | Yunbo Li | R4M-6C | 6 | MAC |
| [24/1048](https://mentor.ieee.org/802.11/dcn/24/11-24-1048-00-00be-recirc-sa-cr-emlsr.docx) | Recirc SA CR eMLSR | Minyoung Park | Pending (June 26) | 3 | JOINT |
| [24/1036](https://mentor.ieee.org/802.11/dcn/24/11-24-1036-02-00be-cr-for-cids-on-mlo.docx) | CR for CIDs on MLO | Giovanni Chisci | R4M-2C | 2 | JOINT |
| [24/1032](https://mentor.ieee.org/802.11/dcn/24/11-24-1032-00-00be-11be-d6-0-miscellaneous-cids.docx) | 11be D6.0 Miscellaneous CIDs | Liwen Chu | R4M-2C | 2 | JOINT |
| 24/1020 | CR for R-TWT CIDs | Kumail Haider | Pending (June 26) | 2 | JOINT |
| [24/1024](https://mentor.ieee.org/802.11/dcn/24/11-24-1024-00-00be-cr-for-some-sa2-cids.docx) | CR-for-some-SA2-CIDs | Stephen McCann | R4M-2C | 2 | JOINT |
| 24/1027 | cr\_23096\_23097 | Xiaogang Chen | R4M-2C | 2 | PHY |
| [24/1039](https://mentor.ieee.org/802.11/dcn/24/11-24-1039-00-00be-sa-ballot-cr-for-cid-23098-23100.docx) | SA Ballot CR for CID 23098, 23100 | Yapu Li | R4M-2C | 2 | PHY |
| [24/1044](https://mentor.ieee.org/802.11/dcn/24/11-24-1044-00-00be-sa-ballot-on-d6-0-cr-for-str.docx) | SA ballot on D6.0: CR for STR | Insun Jang | Pending (July 3) | 1 | JOINT |
| [24/1023](https://mentor.ieee.org/802.11/dcn/24/11-24-1023-00-00be-cr-for-cid-23000.docx) | CR for CID 23000 | Jason Guo | R4M-1C | 1 | MAC |
| [24/1037](https://mentor.ieee.org/802.11/dcn/24/11-24-1037-00-00be-resolutions-for-cid-23024.docx) | Resolutions for CID 23024 | Jianhau Liu | R4M-1C | 1 | PHY |
| [24/1033](https://mentor.ieee.org/802.11/dcn/24/11-24-1033-00-00be-correction-to-tgbe-fig-7-2.docx) | Correction to TGbe Fig 7-2 | Mark Hamilton | Pending (June 26) | 1 | JOINT |
| 24/1031 | SA Ballot CR for CID 23023 | Mengshi Hu | R4M-1C | 1 | PHY |
| [24/1035](https://mentor.ieee.org/802.11/dcn/24/11-24-1035-00-00be-cid-23095.docx) | CID 23095 | Sigurd Schelstraete | R4M-1C | 1 | PHY |
| [24/1012](https://mentor.ieee.org/802.11/dcn/24/11-24-1012-00-00be-recirculation-sa-ballot-issue-on-emlsr-and-txs-cid-23167.docx) | Recirc. SA Ballot Issue on EMLSR and TXS (CID 23167) | Juseong Moon | Deferred | 1 | JOINT |
| [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-00-00be-recirc-sa-cr-for-misc-cids.docx) | Recirc SA-CR for Misc CIDs | Alfred Asterjadhi | R4M-2C  Pending 1C | 3 | JOINT |
| **End Of Joint 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: June 12 (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:
  + The 1st recirculation SA ballot for P802.11be closed on May 31st, 2024, with an approval rate of 92%. A total of 180 comments were received with 114 comments tagged as “Must Be Satisfied”. First categorization: 27E, 5G, 140T: Second categorization: 19 PHY, 13 Joint, 148 MAC.
  + In order to address comments in a more efficient manner the plan is to switch one of the conf calls from Joint to PHY/MAC (likely June 26th, 2024, conf call).
  + Target is to resolve all comments by July F2F the latest.
* TGbe Editor’s Report: [11-24/1003r1](https://mentor.ieee.org/802.11/dcn/24/11-24-1003-01-00be-tgbe-editor-s-report-on-recirculation-sa-ballot.pptx)
* Review/confirm latest POC assignments:[11-24/994r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0994-01-00be-ieee-802-11be-recirculation-sa-ballot-comment.xlsx) and Action Items (AIs) for POCs:
  + POCs are requested to confirm, obtain DCNs and provide a list of CIDs for each of the DCNs as soon as possible (chair might proactively ping the POCs on this front) and no later than 21st of June, 2024).
  + Please make sure that submissions with technical changes are prepared, shared with the group, and discussed as soon as possible.
    - Submissions to be uploaded at least 24 hours prior to the scheduled meeting.
  + Please make sure that submissions with editorial/clarificatory changes are uploaded as soon as possible in the server. Comments/resolutions with minor clarificatory/editorial changes can be green tagged and go through the usual accelerated process (refer to item 11 in [11-20/984r16](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-16-00be-tgbe-teleconference-guidelines.docx))
* Present POCs (if no response then TGbe (ad-hoc) chair(s) will e-mail absent POCs):

|  |  |  |
| --- | --- | --- |
| **Assignee** | **Total CIDs** | **Confirm Above AIs/Targets** |
| Po-Kai Huang | 31 | Confirmed (Uploaded) |
| Binita Gupta | 29 | Confirmed (DCNs by EOW, Some CIDs ready for June 26th) |
| Sanket Kalamkar | 16 | Confirmed (First Week of July) |
| Mike Montemurro | 13 | 11-24/1004 (Expected By Friday) |
| Duncan Ho | 12 | Chair To Ping |
| Youhan Kim | 11 | Chair To Ping |
| Laurent Cariou | 10 | Confirmed (June 19th) |
| Abhishek Patil | 6 | Confirmed (June 26th) |
| Arik Klein | 6 | Chair To Ping |
| Ming Gan | 6 | Confirmed (July 3rd) |
| Rubayet Shafin | 6 | Confirmed (June 26th) |
| Yunbo Li | 6 | Confirmed (June 19th) |
| Minyoung Park | 4 | Chair To Ping |
| EDITOR | 2 | 11-24/1010 (June 26th) |
| Giovanni Chisci | 2 | Confirmed (June 19th) |
| Liwen Chu | 2 | Confirmed (June 26th) |
| Kumail Haider | 2 | Chair To Ping |
| Stephen McCann | 2 | Confirmed (June 19th) |
| Xiaogang Chen | 2 | Chair To Ping |
| Yapu Li | 2 | Confirmed (June 26th) |
| Jay Yang | 2 | 11-24/1006 (June 26th) |
| Gaurang Naik | 1 | 11-24/1009 (June 26th) |
| Insun Jang | 1 | Confirmed (July 3rd) |
| Jason Guo | 1 | Confirmed (June 26th) |
| Jianhau Liu | 1 | Chair To Ping |
| Mark Hamilton | 1 | Chair To Ping |
| Mengshi Hu | 1 | Chair To Ping |
| Morteza Mehrnoush | 1 | Chair To Ping |
| Sigurd Schelstraete | 1 | Chair To Ping |
| Xiaofei Wang | 1 | 11-24/1007 (June 26th) |
| Yongho Seok | 1 | Chair To Ping |

* CR Submissions:
  + [24/991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-01-00be-cr-for-miscellaneous-cids.docx) CR for Miscellaneous CIDs Po-Kai Huang [30 CIDs]
* AoB:
* Adjourn

### 2nd Conf. Call: June 19 (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**
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    - 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: Completed checking with POCs on their assignments and we are almost done.
* CR Submissions:
  + [24/0991](https://mentor.ieee.org/802.11/dcn/24/11-24-0991-04-00be-cr-for-miscellaneous-cids.docx) CR for Miscellaneous CIDs Po-Kai Huang [3C SP]
  + [24/1004](https://mentor.ieee.org/802.11/dcn/24/11-24-1004-00-00be-tgbe-sa2-security-comment-resolutions.docx) TGbe SA2 Security Comment Resolutions Mike Montemurro 10
  + [24/1022](https://mentor.ieee.org/802.11/dcn/24/11-24-1022-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Duncan Ho 6 [5GT]
  + [24/1018](https://mentor.ieee.org/802.11/dcn/24/11-24-1018-00-00be-resolution-for-cids-assigned-to-abhi-sa-ballot-on-d6-0.docx) Res. for CIDs assigned to Abhi Abhishek Patil 6
  + [24/1032](https://mentor.ieee.org/802.11/dcn/24/11-24-1032-00-00be-11be-d6-0-miscellaneous-cids.docx) 11be D6.0 Miscellaneous CIDs Liwen Chu 2 [1GT]
  + [24/1036](https://mentor.ieee.org/802.11/dcn/24/11-24-1036-00-00be-cr-for-cids-on-mlo.docx) CR for CIDs on MLO Giovanni Chisci 2 [2GT]
  + [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-00-00be-recirc-sa-cr-for-misc-cids.docx) Recirc SA-CR for Misc CIDs Alfred Asterjadhi 2 [2GT]
  + [24/1024](https://mentor.ieee.org/802.11/dcn/24/11-24-1024-00-00be-cr-for-some-sa2-cids.docx) CR-for-some-SA2-CIDs Stephen McCann 2
  + [~~24/1012~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1012-00-00be-recirculation-sa-ballot-issue-on-emlsr-and-txs-cid-23167.docx) ~~Recirc. SA Ballot Issue on EMLSR and TXS (CID 23167) Juseong Moon 1~~
  + [24/1040](https://mentor.ieee.org/802.11/dcn/24/11-24-1040-00-00be-d6-0-cr-for-miscellaneous-cids.docx) D6.0 CR for miscellaneous CIDs Yunbo Li 6
    - To be continued.
  + TBD Laurent Cariou 10
* AoB:
* Adjourn

[GT= Green Tagged by chair]

### 3rd Conf. Call: June 26 (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

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    - 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 then please send an e-mail to Sigurd Schelstraete ([sschelstraete@maxlinear.com](mailto:sschelstraete@maxlinear.com)) and Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
  + 24/1042 D6.0 Miscellaneous CIDs Youhan Kim 11
  + 24/1027 cr\_23096\_23097 Xiaogang Chen 2
  + [24/1039](https://mentor.ieee.org/802.11/dcn/24/11-24-1039-00-00be-sa-ballot-cr-for-cid-23098-23100.docx) SA Ballot CR for CID 23098, 23100 Yapu Li 2
  + [24/1037](https://mentor.ieee.org/802.11/dcn/24/11-24-1037-00-00be-resolutions-for-cid-23024.docx) Resolutions for CID 23024 Jianhau Liu 1
  + [24/1031](https://mentor.ieee.org/802.11/dcn/24/11-24-1031-01-00be-sa-ballot-cr-for-cid-23023.docx) SA Ballot CR for CID 23023 Mengshi Hu 1
  + [24/1035](https://mentor.ieee.org/802.11/dcn/24/11-24-1035-00-00be-cid-23095.docx) CID 23095 Sigurd Schelstraete 1
* AoB:
* Adjourn

### 3rd Conf. Call: June 26 (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 “<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 Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
  + [24/1040](https://mentor.ieee.org/802.11/dcn/24/11-24-1040-00-00be-d6-0-cr-for-miscellaneous-cids.docx) D6.0 CR for miscellaneous CIDs Yunbo Li 6C-1GT
  + [24/1028](https://mentor.ieee.org/802.11/dcn/24/11-24-1028-00-00be-recirc-sa-cr-for-d6-0-cids.docx) Recirc SA - CR for D6.0 CIDs Binita Gupta 30C-18GT
  + [24/1049](https://mentor.ieee.org/802.11/dcn/24/11-24-1049-00-00be-recirc-sa-cr-misc.docx) Recirc SA CR Misc Laurent Cariou 10C-3GT
  + [24/1010](https://mentor.ieee.org/802.11/dcn/24/11-24-1010-00-00be-proposed-resolution-for-miscellaneous-comments-on-recirculation-sa-ballot-on-d6-0.docx) Prop. Res. 4 misc. comments on recirc. SA ballotEdward Au 3C-1GT
  + [24/1006](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-00-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) Recycle-SA-for-CIDs-in-subcaluse12.2.12 Jay Yang 2
  + [24/1023](https://mentor.ieee.org/802.11/dcn/24/11-24-1023-00-00be-cr-for-cid-23000.docx) CR for CID 23000 Jason Guo 1
  + [24/1009](https://mentor.ieee.org/802.11/dcn/24/11-24-1009-01-00be-cr-for-cid-23038.docx) CR for CID 23038 Gaurang Naik 1
* AoB:
* Adjourn

### 4th Conf. Call: July 03 (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: Reminder for the action items (**AI**) announced to the TGbe reflector:
  + - 1) There are a couple submissions that have not been posted yet. **AI for Authors**: Please consider uploading the submissions as soon as possible so that we can green tag certain CIDs, as per guidelines. **AI for All**: please consider reviewing these documents in advance so that we optimize the time during the telco itself.
    - 2) We plan to run motions (starting from slide 211 in 11-23/442r53) on CRs that have been presented so far and have had no objections. **AI for All**: Please review the documents one more time to make sure that everything is in order. We hope that the next recirc SA ballot leads to an unchanged draft, and as such it is ever so important to ensure correctness of the resolutions.
    - 3) We have another TGbe Joint conf call on July 10th so that we can complete going over documents that might spill over from the July 3rd conf call. **Please use AIs** of 1) and 2) for these remaining submissions.
* CR Submissions:
  + [24/1006](https://mentor.ieee.org/802.11/dcn/24/11-24-1006-01-00be-recycle-sa-for-cids-in-subcaluse12-2-12.docx) Recycle-SA-for-CIDs-in-subcaluse12.2.12 Jay Yang 2-SP 5’
  + [24/1051](https://mentor.ieee.org/802.11/dcn/24/11-24-1051-00-00be-resolutions-for-cids-assigned-to-sanket-sa-ballot-on-d6-0.docx) Resolutions for CIDs assigned to Sanket Sanket Kalamkar 16 25’
  + [24/1043](https://mentor.ieee.org/802.11/dcn/24/11-24-1043-00-00be-cr-for-cids-for-5-1-5-1-and-9-4-2-3-25-part-2.docx) CR for CIDs for 5.1.5.1 and 9.4.2.3.25 Part 2 Duncan Ho 6 10’
  + [24/1029](https://mentor.ieee.org/802.11/dcn/24/11-24-1029-00-00be-recirculation-sa-ballot-cr-for-9-6-13-9.docx) Recirculation SA Ballot: CR for 9.6.13.9 Arik Klein 4 15’
  + [24/1030](https://mentor.ieee.org/802.11/dcn/24/11-24-1030-00-00be-recirculation-sa-ballot-cr-for-35-3-7-5.docx) Recirculation SA Ballot: CR for 35.3.7.5 Arik Klein 3 10’
  + [24/1061](https://mentor.ieee.org/802.11/dcn/24/11-24-1061-00-00be-recirc-sab-cr-on-misc-cids.docx) Recirc SAB CR on Misc CIDs Rubayet Shafin 4 10’
  + [24/1060](https://mentor.ieee.org/802.11/dcn/24/11-24-1060-00-00be-recirc-sab-cr-on-twt.docx) Recirc SAB CR on TWT Rubayet Shafin 3 5’
  + [24/1012](https://mentor.ieee.org/802.11/dcn/24/11-24-1012-04-00be-recirculation-sa-ballot-issue-on-emlsr-and-txs-cid-23167.docx) Recirc. SAB Issue on EMLSR and TXS (CID 23167) Juseong Moon 1 10’
  + [24/1048](https://mentor.ieee.org/802.11/dcn/24/11-24-1048-00-00be-recirc-sa-cr-emlsr.docx) Recirc SA CR eMLSR Minyoung Park 3 10’
  + [24/1044](https://mentor.ieee.org/802.11/dcn/24/11-24-1044-00-00be-sa-ballot-on-d6-0-cr-for-str.docx) SA ballot on D6.0: CR for STR Insun Jang 1 5’
  + [24/1007](https://mentor.ieee.org/802.11/dcn/24/11-24-1007-00-00be-cr-for-cid-23173.docx) CR for CID 23137 Xiaofei Wang 1C-1GT 5’
  + [24/1033](https://mentor.ieee.org/802.11/dcn/24/11-24-1033-00-00be-correction-to-tgbe-fig-7-2.docx) Correction to TGbe Fig 7-2 Mark Hamilton 1C-1GT 5’
  + [24/1019](https://mentor.ieee.org/802.11/dcn/24/11-24-1019-01-00be-recirc-sa-cr-for-misc-cids.docx) Recirc SA-CR for Misc CIDs Alfred Asterjadhi 1 5’
  + 24/1067 Recirculation-SA-Ballot-CR-for-MLO Ming Gan 6 ??
  + 24/1020 CR for R-TWT CIDs Kumail Haider 2 ??
  + Other Deferred SPs
* Motions: [24/442r53](https://mentor.ieee.org/802.11/dcn/23/11-23-0442-53-00be-tgbe-motions-list-part-4.pptx)
* AoB:
* Adjourn

### 5th Conf. Call: July 10 (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:
* CR Submissions:
  + … (spillover submissions from July 3rd Joint meeting)
* Motions: 24/442r54
* AoB:
* Adjourn

## TGbe Guidelines document

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

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## 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.

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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>

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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>