IEEE P802.11  
Wireless LANs

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| TGbe March to May 2024 teleconference agendas | | | | |
| Date: 2024-03-24 | | | | |
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Abstract

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

Revisions:

* Rev 0: Initial version of the document.

|  |  |
| --- | --- |
| **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

* **March 27 (Wednesday) – MAC 10:00-12:00 ET**
* **April 03 (Wednesday) – Joint\* 10:00-12:00 ET**
* **April 10 (Wednesday) – MAC 10:00-12:00 ET**
* **April 17 (Wednesday) – Joint\* 10:00-12:00 ET**
* **April 24 (Wednesday) – MAC 10:00-12:00 ET**
* **May 02 (Wednesday) Holiday**
* **May 08 (Wednesday) – MAC 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 (03/24/2024)

### Initial SA CR Monthly Status



### Initial SA CR Overall Status



## Top 20: Assignees with a high number of pending CIDs (03/24/24)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Assignee** | **Total** | **Pending for resolution** | **Resolution drafted but no consensus yet** | **Resolution approved** |
| Rubayet Shafin | 43 | 43 | 0 | 0 |
| Laurent Cariou | 43 | 30 | 0 | 13 |
| Binita Gupta | 56 | 14 | 0 | 42 |
| Kumail Haider | 14 | 14 | 0 | 0 |
| Sanket Kalamkar | 8 | 8 | 0 | 0 |
| Abhishek Patil | 7 | 7 | 0 | 0 |
| Liwen Chu | 6 | 6 | 0 | 0 |
| Yongho Seok | 5 | 5 | 0 | 0 |
| GEORGE CHERIAN | 4 | 4 | 0 | 0 |
| Giovanni Chisci | 4 | 4 | 0 | 0 |
| Qi Wang | 8 | 4 | 0 | 4 |
| Kaiying Lu | 3 | 3 | 0 | 0 |
| Dibakar Das | 2 | 2 | 0 | 0 |
| Gaurang Naik | 2 | 2 | 0 | 0 |
| Liuming Lu | 2 | 2 | 0 | 0 |
| Michael Montemurro | 22 | 2 | 0 | 20 |
| Mikael Lorgeoux | 1 | 1 | 0 | 0 |
| Ming Gan | 17 | 1 | 4 | 12 |
| Minyoung Park | 13 | 1 | 1 | 11 |
| Pascal VIGER | 1 | 1 | 0 | 0 |

## Initial SA Comment Resolution Queues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **#CIDs** | **Session** |
|  |  |  |  |  | JOINT |
| **End Of Joint Queue** | | | | | |
| [0324r3](https://mentor.ieee.org/802.11/dcn/24/11-24-0324-03-00be-cr-for-802-11be-isb.docx) | CR for 802.11be ISB | Laurent Cariou | Pending | 30 | MAC |
| 0350r0 | CR for miscellaneous CIDs on MLO | Giovanni Chisci | Pending | 4 | MAC |
| 0364r0 | SA1: Resolution for CIDs assigned to Sanket | Sanket Halamkar | Pending | 8 | MAC |
| 0353r0 | D5.0 CR for ML Reconfiguration part 2 | Binita Gupta | Pending | 9 | MAC |
| 0355r0 | CR for Misc. CIDs | Binita Gupta | Pending | 2 | MAC |
| 0344r0 | SAB CR for Clause 9 | Gaurang Naik | Pending | 2 | MAC |
| 0354r0 | CR for Max Setup Link CIDs | Binita Gupta | Pending | 3 | MAC |
| 0338r0 | CIDs related to rTWT | George Cherian | Pending | 3 | MAC |
| [0312r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0312-01-00be-d5-0-cr-for-cid-22055-22192.docx) | D5.0 CR for CID-22055 & 22192 | Kaiying Lu | Pending | 3 | MAC |
| 0376r0 | SB1 CR for Negotiation of TTLM | Yongho Seok | Pending | 5 | MAC |
| 0362r0 | d5.0 initial CA ballot Miscellaneous CIDs | Liwen Chu | Pending | 6 | MAC |
| [0335r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0335-00-00be-isab-cids-on-p2p.docx) | ISAB CIDs on P2P | Rubayet Shafin | Pending | 20 | MAC |
| 0334r0 | ISAB CIDs on TWT | Rubayet Shafin | Pending | 23 | MAC |
| 0371r0 | D5.0 CR for CIDs on R-TWT-Part 1 | Kumail Haider | Pending | 9 | MAC |
| 0326r0 | SA1: Resolution for CIDs assigned to Abhi | Abhishek Patil | Pending | 7 | MAC |
| [0341r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0341-00-00be-sa-ballot-cr-for-miscellaneous-cids.docx) | SA Ballot CR for Miscellaneous CIDs | Ming Gan | Pending | 1 | MAC |
| 0372r0 | D5.0 CR for CIDs on R-TWT-Part 2 | Kumail Haider | Pending | 5 | MAC |
| [0366r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0366-00-00be-proposed-resolution-to-11be-initial-sa-ballot-cid-on-emlsr-co-ex-indication.docx) | Proposed resolution to 11be initial SA ballot CID on EMLSR co-ex indication | Qi Wang | Pending | 2 | MAC |
| 0325r0 | CR for miscellaneous CIDs on MLO | Giovanni Chisci | Pending | 4 | MAC |
| [0345r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0345-01-00be-proposed-resolution-for-cid-22320-and-22321-on-initial-sa-ballot-on-d5-0.docx) | Proposed resolution for CID 22320 and 22321 on initial SA ballot on D5.0 | Liuming Lu | Pending | 2 | MAC |
| [0261r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0261-00-00be-sa-ballot-cr-for-ttlm-element.docx) | SA ballot CR for TTLM element | Mikael Lorgeoux | Pending | 1 | MAC |
| 0367r0 | Proposed resolution to 11be initial SA ballot CID-22374 on EMLSL group addressed frames delivery | Qi Wang | Pending | 1 | MAC |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **End of MAC Queue** | | | | | |
|  |  |  |  |  | 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: March 27 (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 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:
  + [0324r3](https://mentor.ieee.org/802.11/dcn/24/11-24-0324-03-00be-cr-for-802-11be-isb.docx) CR for 802.11be ISB Laurent Cariou [30C]
  + [0335r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0335-00-00be-isab-cids-on-p2p.docx) ISAB CIDs on P2P Rubayet Shafin [20C]
  + [0312r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0312-01-00be-d5-0-cr-for-cid-22055-22192.docx) D5.0 CR for CID-22055 & 22192 Kaiying Lu [3C]
  + [0366r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0366-00-00be-proposed-resolution-to-11be-initial-sa-ballot-cid-on-emlsr-co-ex-indication.docx) Prop. Res. to 11be ISAB CID on EMLSR co-ex ind. Qi Wang [2C]
  + [0345r1](https://mentor.ieee.org/802.11/dcn/24/11-24-0345-01-00be-proposed-resolution-for-cid-22320-and-22321-on-initial-sa-ballot-on-d5-0.docx) Prop. Res. for CID 22320 and 22321 on ISAB on D5.0 Liuming Lu [2C]
  + [0341r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0341-00-00be-sa-ballot-cr-for-miscellaneous-cids.docx) SA Ballot CR for Miscellaneous CIDs Ming Gan [1C]
  + [0261r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0261-00-00be-sa-ballot-cr-for-ttlm-element.docx) SA ballot CR for TTLM element Mikael Lorgeoux[1C]
* AoB:
* Adjourn

### 2nd Conf. Call: April 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

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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
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* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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  + 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-Joint:
* CR Submissions-MAC:
* AoB:
* Adjourn

### 3rd Conf. Call: April 10 (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**
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  + **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:
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
* AoB:
* Adjourn

### 4th Conf. Call: April 17 (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
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  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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  + 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-Joint:
* CR Submissions-MAC:
* Motions (last 20 mins):
* AoB:
* Adjourn

### 5th Conf. Call: April 24 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
* AoB:
* Adjourn

### 6th Conf. Call: May 08 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* CR Submissions:
* 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>

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* 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>

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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>