IEEE P802.11  
Wireless LANs

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| TGbe May to July 2023 teleconference agendas | | | | | |
| Date: 2023-05-24 | | | | | |
| Author(s): | | | | | |
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Abstract

This document contains the draft agenda for May to July 2023 TGbe teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-3: Updated after the first conf call. Added agends for 2nd and 3rd conf calls.

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

**May 22-26 (Mon-Fri) - No Conf Calls Holiday**

**May 29 (Monday) – No Conf Calls Holiday**

**May 31 (Wednesday) – MAC 10:00-12:00 ET**

**Jun 07 (Wednesday) – Joint 10:00-12:00 ET**

**Jun 08 (Thursday) – MAC 10:00-12:00 ET**

**Jun 12 (Monday) – MAC/PHY 19:00-21:00 ET**

**Jun 14 (Wednesday) – MAC 10:00-12:00 ET**

**Jun 21 (Wednesday) – Joint\* 10:00-12:00 ET**

**Jun 22 (Thursday) – No Conf Calls Holiday**

**Jun 26 (Monday) – MAC/PHY 19:00-21:00 ET**

**Jun 28 (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

* **LB71 -** Work In Progress (statistics shown in Figure (updated **05/24/2023**)).
  + **Current Status**: Number CIDs that have been resolved (includes all CIDs that are R4M).
  + **Linear Target**: Monthly targets, based on an estimation function, to meet the next milestone.

### LB271 CR Monthly Status



### LB271 CR Overall Status



### Top 20: Assignees with a high number of pending CIDs (05/24/2023)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Assignee** | **Total** | **Resolution approved** | **Pending for resolution** | **Ready for motion** | **Resolution presented but no consensus yet** |
| Yongho Seok | 83 | 0 | 83 | 0 | 0 |
| Abhishek Patil | 270 | 193 | 66 | 11 | 0 |
| Liwen Chu | 119 | 59 | 48 | 12 | 0 |
| Ming Gan | 257 | 184 | 47 | 26 | 0 |
| Chunyu Hu | 91 | 29 | 46 | 16 | 0 |
| Muhammad Kumail Haider | 91 | 42 | 45 | 4 | 0 |
| Binita Gupta | 106 | 58 | 42 | 6 | 0 |
| EDITOR | 43 | 4 | 38 | 1 | 0 |
| Jianhan Liu | 38 | 0 | 38 | 0 | 0 |
| Yanjun Sun | 162 | 122 | 32 | 8 | 0 |
| Zinan Lin | 63 | 31 | 31 | 1 | 0 |
| Gaurang Naik | 57 | 28 | 29 | 0 | 0 |
| Laurent Cariou | 212 | 143 | 27 | 39 | 3 |
| Bo Gong | 39 | 12 | 26 | 0 | 1 |
| GEORGE CHERIAN | 26 | 0 | 26 | 0 | 0 |
| Yuchen Guo | 65 | 37 | 26 | 2 | 0 |
| Yunbo Li | 102 | 64 | 25 | 12 | 1 |
| Dibakar Das | 122 | 67 | 21 | 34 | 0 |
| Duncan Ho | 63 | 43 | 19 | 1 | 0 |
| Rubayet Shafin | 40 | 20 | 18 | 2 | 0 |

## LB271 Comment Resolution Queues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Nr. CIDs** | **Session** |
| [735r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0735-00-00be-12-2-10-fixes.docx) | 12.2.10 fixes | Brian Hart | Pending  (Schedule TBD) | NoC | Joint |
| [602r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0602-00-00be-lb-271-cr-for-9-2-4-8.docx) | LB 271 CR for 9.2.4.8 | Hanqing Lou | Pending  (Schedule TBD) | 2C | Joint |
| [630r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-02-00be-lb-271-cr-for-35-7-2-part-ii.docx) | CR for 35.7.2 Part II | Zinan Lin | Pending SP | 1C | Joint |
| [823r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0823-00-00be-lb-271-cr-for-35-7-3-part-i.docx) | LB 271 CR for 35.7.3 Part I | Zinan Lin | Pending | 20C | Joint |
| [969r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0969-00-00be-lb271-cr-for-cids-on-trigger-frame-puncturing-and-edca.docx) | CR for CIDs on Trigger frame puncturing and EDCA | Yanjun Sun | Pending | 25C | Joint |
| [728r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-02-00be-lb271-cr-for-35-15-2.docx) | CR for 35 15 2 | Yanjun Sun | Pending | 5C | Joint |
| **End Of Joint Queue** | | | | | |
| [361r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0361-03-00be-lb271-cr-for-reconfiguration-ml-element-part-1.docx) | CR for Reconfiguration ML element - part | Binita Gupta | Presented 03/16  Pending SP-6C | 6C | MAC |
| [403r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0403-01-00be-lb271-cr-for-cids-in-35-3-4-1.docx) | LB271 CR for CIDs in 35.3.4.1 | Laurent Cariou | Presented 03/16  Pending SP-3C-TBD | 3C | MAC |
| 745r0 | CR 35.3.18 part 3 | Liwen Chu | Pending | 18C | MAC |
| 793r0 | CR for CIDs in 35.3.12.4 | Laurent Cariou | Pending | 25C | MAC |
| [678r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0678-04-00be-cr-for-miscellaneous-cids.docx) | CR for miscellaneous CIDs | Po-Kai Huang | Deferred SP  05/31 | 1C | MAC |
| [588r](https://mentor.ieee.org/802.11/dcn/23/11-23-0588-03-00be-lb271-cr-for-cids-in-35-3-7-1-1.docx)5 | CR for CIDs in 35.3.7.1.1 | Laurent Cariou | NoM-4C: 16Y, 19N, 24A  R4M 3C | 7C | MAC |
| [590r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-04-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) | CR for CIDs in 35.3.7.1.x | Laurent Cariou | Pending SP XC | XC | MAC |
| [395r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0395-04-00be-cr-for-35-3-19.docx) | CR for 35.3.19 | Kaiying Lu | Pending SP 1C | 1C | MAC |
| 824r0 | CR for 35.3.16.5 | Yongho Seok | Pending | XC | MAC |
| 825r0 | CR for 35.3.7.1.3 | Yongho Seok | Pending | XC | MAC |
| 842r0 | cr-for-subclause-35-3-24-aligned TWT | Ming Gan | Pending | 8 | MAC |
| [787r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0787-00-00be-lb271-cr-for-cid-16309.docx) | CR for CID 16309 | Juseong Moon | Presented 05/31 | 1 | MAC |
| [788r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0788-00-00be-lb271-cr-for-cid-16333-and-16340.docx) | CR for CID 16333 and 16340 | Juseong Moon | Presented 05/31 | 2 | MAC |
| [266r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0266-01-00be-emlsr-link-change-with-ap-mld-s-link-enablement-disablement-operation.docx) | EMLSR link change with AP MLD's link enablement/disablement operation | Juseong Moon | Pending | 1C | MAC |
| [763r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0763-00-00be-lb271-cr-of-nstr-status-update.docx) | cr-of-nstr-status-update | Yunbo Li | Pending | 3C | MAC |
| [627r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0627-04-00be-lb271-cr-for-subclause-35-3-1.docx) | CR for subclause 35.3.1 | Ming Gan | Pending SP 3C | 3C | MAC |
| [638r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0638-03-00be-lb271-cr-for-subclause-35-3-15-part-1.docx) | CR for Subclause 35.3.15-Part 1 | Ming Gan | Pending SP 4C | 4C | MAC |
| [466r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0466-01-00be-lb271-cr-for-9-3-3.docx) | CR for 9.3.3 | Gaurang Naik | Pending | 8C | MAC |
| [743r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0743-00-00be-lb271-resolution-for-comments-assigned-to-abhi-part-6.docx) | Resolution for comments assigned to Abhi - Part 6 | Abhishek Patil | Pending | 10C | MAC |
| [813r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0813-00-00be-lb271-cr-for-35-3-7-1-7-part-iii.docx) | cr-for-35.3.7.1.7-Part-III | Jason Y. Guo | Pending | 8C | MAC |
| [847r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0847-00-00be-lb271-crs-for-35-8-5-r-twt-channel-access-rules.docx) | CRs for 35.8.5 R-TWT channel access rules | Chunyu Hu | Pending | 36C | MAC |
| [458r9](https://mentor.ieee.org/802.11/dcn/23/11-23-0458-09-00be-lb271-crs-for-35-8-4-r-twt-announcement.docx) | CRs for 35.8.4 R-TWT announcement | Chunyu Hu | Pending SP  (TBD) | 17C | MAC |
| [366r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0366-04-00be-lb271-cr-35-3-18-part-2.docx) | CR 35.3.18 part 2 | Liwen Chu | Pending SP | 5C | MAC |
| [947r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0947-00-00be-cr-for-17559.docx) | CR for 17559 | Po-Kai Huang | Pending | 1C | MAC |
| [958r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0958-00-00be-comment-resolution-for-cid-18247.docx) | Comment Resolution for CID 18247 | Li-Hsiang Sun | Pending | 1C | MAC |
| [735r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0738-05-00be-lb271-cr-for-clause-35-3-7-4-2-part-2.docx) | CR for Clause 35.3.7.4.2 - Part 2 | Arik Klein | Pending SP | 1C | MAC |
| **Post-Quarantine Queue** | | | | | |
| [747r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0747-00-00be-lb271-cr-cl35-emlsr-deferred-cids.docx) | CR CL35 EMLSR deferred CIDs | Minyoung Park | Def-6C 03/16  Pending SP | 6C | MAC |
| [504r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0504-02-00be-lb271-cr-cl35-mlti-part1.docx) | cr cl35 mlti part1 | Minyoung Park | Def-9C 04/06  Pending SP | 9C | MAC |
| [296r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0296-05-00be-lb271-cids-assigned-to-abhi-part-1.docx) | LB271: CIDs assigned to Abhi - Part 1 | Abhishek Patil | Def-5C OnceUponATime  Pending SP | 1C | MAC |
| [357r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0357-00-00be-lb271-cids-on-twt.docx) | CIDs on TWT | Rubayet Shafin | Def-1C 03/28  Pending SP | 1C | MAC |
| [330r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0330-05-00be-resolution-of-epcs-related-cids-in-clause-35-16-lb271.docx) | Resolution of EPCS-Related CIDs in Clause 35.16 (LB271) | John Wullert | Def-5C 04/05  Pending SP | 5C | MAC |
| [384r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0384-02-00be-lb271-cr-for-twt-info-frame.docx) | CR for TWT Info Frame | Ming Gan | Def-3C OnceUponATime  Pending SP | 3C | MAC |
| **End of MAC Queue** | | | | | |
|  |  |  | Pending |  | 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: May 31 (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-Fast Track:
  + [678r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0678-04-00be-cr-for-miscellaneous-cids.docx) CR for miscellaneous CIDs Po-Kai Huang [SP 1C]
  + [588r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0588-03-00be-lb271-cr-for-cids-in-35-3-7-1-1.docx) CR for CIDs in 35.3.7.1.1 Laurent Cariou [SP XC]
  + [590r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-04-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) CR for CIDs in 35.3.7.1.x Laurent Cariou [SP XC]
  + [743r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0743-00-00be-lb271-resolution-for-comments-assigned-to-abhi-part-6.docx) Resolution for comments assigned to Abhi - Part 6 Abhishek Patil [10C]
  + [847r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0847-00-00be-lb271-crs-for-35-8-5-r-twt-channel-access-rules.docx) CRs for 35.8.5 R-TWT channel access rules Chunyu Hu [36C]
* CR Submissions-Last 30 mins:
  + [787r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0787-00-00be-lb271-cr-for-cid-16309.docx) CR for CID 16309 Juseong Moon [1C]
  + [788r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0788-00-00be-lb271-cr-for-cid-16333-and-16340.docx) CR for CID 16333 and 16340 Juseong Moon [1C]
  + [266r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0266-01-00be-emlsr-link-change-with-ap-mld-s-link-enablement-disablement-operation.docx) EMLSR link change with AP MLD's link enablement/disablement operation Juseong Moon [1C]
* AoB:
* Adjourn

### 2nd Conf. Call: June 07 (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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    - 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:
  + TGbe Agendas for MAC ad-hoc & July Plenary posted: [23/921r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0921-00-00be-july-mac-adhoc-agenda.docx), & [23/919r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0919-00-00be-tgbe-july-2023-meeting-agenda.pptx)
    - This is an early call for submissions: Please obtain a DCN and send a request to be added to the queues (include estimated #CIDs); the earliest the docs are uploaded the better (early review, green tagging, etc). Eventually indicate preference (Ad-hoc or plenary, or earlier).
* CR Submissions:
  + [630r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0630-02-00be-lb-271-cr-for-35-7-2-part-ii.docx) CR for 35.7.2 Part II Zinan Lin [SP 1C]
  + [728r2](https://mentor.ieee.org/802.11/dcn/23/11-23-0728-02-00be-lb271-cr-for-35-15-2.docx) CR for 35 15 2 Yanjun Sun [SP 5C]
  + [823r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0823-00-00be-lb-271-cr-for-35-7-3-part-i.docx) CR for 35.7.3 Part I Zinan Lin [20C]
  + [969r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0969-00-00be-lb271-cr-for-cids-on-trigger-frame-puncturing-and-edca.docx) CR for CIDs on Trigger frame puncturing and EDCA Yanjun Sun [25C]
* MAC CR Submissions:
  + [395r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0395-04-00be-cr-for-35-3-19.docx) CR for 35.3.19 Kaiying Lu [SP 1C]
  + [590r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-04-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) CR for CIDs in 35.3.7.1.x Laurent Cariou [SP XC]
  + [627r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0627-04-00be-lb271-cr-for-subclause-35-3-1.docx) CR for subclause 35.3.1 Ming Gan [SP 3C]
  + [638r3](https://mentor.ieee.org/802.11/dcn/23/11-23-0638-03-00be-lb271-cr-for-subclause-35-3-15-part-1.docx) CR for Subclause 35.3.15-Part 1 Ming Gan [SP 4C]
  + [366r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0366-04-00be-lb271-cr-35-3-18-part-2.docx) CR 35.3.18 part 2 Liwen Chu [SP 5C]
  + [738r5](https://mentor.ieee.org/802.11/dcn/23/11-23-0738-05-00be-lb271-cr-for-clause-35-3-7-4-2-part-2.docx) CR for Clause 35.3.7.4.2 - Part 2 Arik Klein [SP 1C]
* AoB:
* Adjourn

### 3rd Conf. Call: June 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
    - 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 “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-Fast Track:
  + [395r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0395-04-00be-cr-for-35-3-19.docx) CR for 35.3.19 Kaiying Lu [SP 1C]
  + [590r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0590-04-00be-lb271-cr-for-cids-in-35-3-7-1-x.docx) CR for CIDs in 35.3.7.1.x Laurent Cariou [SP XC]
  + [627r4](https://mentor.ieee.org/802.11/dcn/23/11-23-0627-04-00be-lb271-cr-for-subclause-35-3-1.docx) CR for subclause 35.3.1 Ming Gan [SP only 3C]
  + [743r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0743-00-00be-lb271-resolution-for-comments-assigned-to-abhi-part-6.docx) Resolution for comments assigned to Abhi - Part 6 Abhishek Patil [10C]
  + [847r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0847-00-00be-lb271-crs-for-35-8-5-r-twt-channel-access-rules.docx) CRs for 35.8.5 R-TWT channel access rules Chunyu Hu [36C]
  + [466r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0466-01-00be-lb271-cr-for-9-3-3.docx) CR for 9.3.3 Gaurang Naik [8C]
  + [813r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0813-00-00be-lb271-cr-for-35-3-7-1-7-part-iii.docx) cr-for-35.3.7.1.7-Part-III Jason Y. Guo [8C]
* CR Submissions-Last 30 mins:
  + [266r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0266-01-00be-emlsr-link-change-with-ap-mld-s-link-enablement-disablement-operation.docx) EMLSR link change with AP MLD's link enablement/disablement operation Juseong Moon [1C]
  + [763r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0763-00-00be-lb271-cr-of-nstr-status-update.docx) cr-of-nstr-status-update Yunbo Li [3C]
  + [947r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0947-00-00be-cr-for-17559.docx) CR for 17559 Po-Kai Huang [1C]
* AoB:
* Adjourn

### 4th Conf. Call: June 12 (19:00–21:00 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-Fast Track:
* CR Submissions-Last 30 mins:
* AoB:
* Adjourn

### 4th Conf. Call: June 12 (19:00–21:00 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 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:
* AoB:
* Adjourn

### 5th Conf. Call: June 14 (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

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    - 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-Fast Track:
* CR Submissions-Last 30 mins:
* AoB:
* Adjourn

### 6th Conf. Call: June 21 (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:
* CR Submissions:
* Motions (second hour):
* MAC CR Submissions:
* AoB:
* Adjourn

### 7th Conf. Call: June 26 (19:00–21:00 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

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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>
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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-Fast Track:
* CR Submissions-Last 30 mins:
* AoB:
* Adjourn

### 7th Conf. Call: June 26 (19:00–21:00 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
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  + 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:
* AoB:
* Adjourn

### 8th Conf. Call: June 28 (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

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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>
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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 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-Fast Track:
* CR Submissions-Last 30 mins:
* 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.

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

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>