IEEE P802.11  
Wireless LANs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| TGbe July to September 2021 teleconference agendas | | | | | |
| Date: 2021-07-11 | | | | | |
| Author(s): | | | | | |
| Name | Affiliation | Address | Phone | email |
| Alfred Asterjadhi | Qualcomm Inc. | 5775 Morehouse Dr, San Diego, CA 92109 | +1-858-658-5302 | aasterja@qti.qualcomm.com |
| Liwen Chu | NXP |  |  | liwen.chu@nxp.com |
| Jeongki Kim | Self |  |  | jeongki.kim.ieee@gmail.com |
| Sigurd Schelstraete | MaxLinear |  |  | sschelstraete@maxlinear.com |
| Tianyu Wu | Apple |  |  | tianyu@apple.com |

Abstract

This document contains the draft agenda for July to September 2021 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:** Dennis Sundman (Ericsson) | **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 (Self)  **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

TGbe will hold **23** teleconferences up to September 9th:

## Proposed Teleconferences Plan for July to September

* **July 12 (Monday) – MAC/PHY 19:00-21:00 ET\***
* **July 14 (Wednesday) – Joint (Motions) 09:00-11:00 ET\***
* **July 15 (Thursday) – MAC/PHY 09:00-11:00 ET\***
* **July 19 (Monday) – Joint (Motions) 09:00-11:00 ET\***
* **July 21 (Wednesday) – MAC 10:00-12:00 ET**
* **July 22 (Thursday) – MAC 10:00-12:00 ET**
* **July 26 (Monday) – MAC/PHY 19:00-21:00 ET**
* **July 28 (Wednesday) – Joint 10:00-12:00 ET**
* **July 29 (Thursday) – MAC 10:00-12:00 ET**
* **Aug 2-6 (Mon-Fri) – No Conf Calls Holiday**
* **Aug 09 (Monday) – MAC/PHY 19:00-21:00 ET**
* **Aug 11 (Wednesday) – Joint (Motions) 10:00-12:00 ET**
* **Aug 12 (Thursday) – MAC 10:00-12:00 ET**
* **Aug 16 (Monday) – MAC/PHY 19:00-21:00 ET**
* **Aug 18 (Wednesday) – Joint 10:00-12:00 ET**
* **Aug 19 (Thursday) – MAC 10:00-12:00 ET**
* **Aug 23 (Monday) – MAC/PHY 19:00-21:00 ET**
* **Aug 25 (Wednesday) – Joint (Motions) 10:00-12:00 ET**
* **Aug 26 (Thursday) – MAC 19:00-21:00 ET**
* **Aug 30 (Monday) – MAC/PHY 19:00-21:00 ET**
* **Sep 01 (Wednesday) – Joint 10:00-12:00 ET**
* **Sep 02 (Thursday) – MAC 10:00-12:00 ET**
* **Sep 06 (Monday) – No Conf Call Labor Day**
* **Sep 08 (Wednesday) – Joint (Motions) 10:00-12:00 ET**
* **Sep 09 (Thursday) – MAC 19:00-21:00 ET**

**\*Telcos during electronic plenary week**

**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

## Technical Presentations’ List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [1399r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1399-01-00be-on-joint-c-sr-and-c-ofdma-m-ap-transmission.pptx) | On Joint C-SR and C-OFDMA M-AP TX | Rui Yang | Pending (R2)  (0) | MAP-General | Joint |
| [1672r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1672-02-00be-ul-beamforming-for-tb-ppdus.pptx) | UL Beamforming for TB PPDUs | Shimi Shilo | Pending (R2)  (0) | General | Joint |
| [445r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0445-00-00be-information-sharing-and-exchange-for-multi-ap-coordination.pptx) | Information Sharing and Exchange for Multi-AP Coordination | Muhammad Sohaib J. Solaija | Pending (R2)  (0) | MAP-General | Joint |
| [1046r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1046-00-00be-multi-ap-twt-information-sharing.pptx) | Multi-AP: TWT Information Sharing | Ahmed Ibrahim | Pending (R2)  (0) | MAP-General | Joint |
|  | | | | | |
| End of Joint Queue | | | | | |
| [395r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0395-00-00be-tspec-request.pptx) | TSPEC Request | Rubayet Shafin | Pending SP  (1) | Low Latency | MAC |
| [361r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0361-00-00be-ap-assisted-multi-link-synchronous-transmission.pptx) | AP Assisted Multi-link Synchronous Transmission | Liuming Lu | Pending  (0) | ML-Operation | MAC |
| [228r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0228-01-00be-legacy-addressing-in-mlo.pptx) | Legacy Addressing in MLO | Rojan Chitrakar | Pending SP  (1) | ML-Operation | MAC |
| [1938r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1938-07-00be-tb-su-ppdu-and-tb-p2p-ppdu-consideration.pptx) | TB SU PPDU and TB P2P PPDU Consideration | Jay Yang | Pending SP  (2) | MAC-General | MAC |
| [1929r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1929-00-00be-protection-of-qos-periods.pptx) | Protection of QoS periods | Gaurav Patwardhan | Pending  (0) | MAC-General | MAC |
| [282r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1020-00-00be-handling-fairness-issue-in-restricted-twt.pptx) | Handling Fairness Issue in Restricted TWT | Rubayet Shafin | Pending  (0) | Low Latency | MAC |
| End of MAC Queue | | | | | |
| [247r4](https://mentor.ieee.org/802.11/dcn/21/11-21-0247-04-00be-bandwidthindicationinrtsctsin320mhzppduandpuncturedpreambles.pptx) | Bandwidth Indication In Rts/Cts In 320 MHz Ppdu And Punctured Preambles | Brian Hart | Presented SP  (1) | General | PHY |
| End of PHY Queue | | | | | |

## Proposed Draft Text and CC34 Comment Resolution List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Type (# TBDs)** | **Session** |
| [663r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0663-01-00be-cr-for-eht-trs.docx) | CR for EHT TRS | Jason Yuchen Guo | Pending SP (2) | CR (4 CIDs/10TBDs) | Joint |
| [1002r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1002-00-00be-pdt-summary-eht-sounding-combinations.docx) | PDT-summary-EHT-sounding-combinations | Ross Jian Yu | Pending SP  (1) | PDT | Joint |
| End of Joint Queue | | | | | |
| [1965r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1965-02-00be-pdt-mac-mlo-mandatory-optional.docx) | PDT-MAC-MLO-mandatory-optional | Laurent Cariou | Deferred SP  (1) | PDT | MAC. |
| [571r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0571-00-00be-pdt-mld-security-for-individual-management-frame.docx) | PDT MLD security for Individual Management Frame | Guogang Huang | Deferred  (1) | PDT | MAC |
| [757r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0757-00-00be-pdt-nstr-capability-update.docx) | PDT NSTR capability update | Yunbo Li | Presented  06/28  (2) | PDT | MAC |
|  | | | | | |
| [283r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0283-00-00be-cc34-cr-emlsr-part1.docx) | CC34-CR-EMLSR-part1 | Minyoung Park | Deferred SP  (1) | CR (7 CIDs) | MAC |
| [240r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0240-03-00be-cc34-resolution-for-cids-related-to-tdls-handling.docx) | CC34 resolution for CIDs related to TDLS handling | Abhishek Patil | Presented SP  (2) | CR-PDT | MAC |
| [386r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0386-01-00be-cc34-resolution-for-cid-1038.docx) | CC34 resolution for CID 1038 | Abhishek Patil | Presented SP  (2) | CR-PDT | MAC |
| [501r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0501-00-00be-cr-for-35-3-8.docx) | CR for 35.3.8 | Namyeong Kim | Deferred SP  07/12  (1) | CR-PDT | MAC |
| [537r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0537-00-00be-cr-ssid-settings.docx) | CR-SSID-settings | Duncan Ho | Presented SP  (1) | CR-PDT | MAC |
| [619r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0619-00-00be-cr-tspec.docx) | CR TSPEC | Duncan Ho | Presented SP  (2) | CR-PDT | MAC |
| [622r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0622-00-00be-tbd-and-cr-for-critical-update-for-non-ap-sta.docx) | TBD and CR for critical update for non-AP STA | Ming Gan | Deferred SP  07/12  (1) | CR-PDT | MAC |
| [*467r2*](https://mentor.ieee.org/802.11/dcn/21/11-21-0467-02-00be-cr-for-35-3-4-3-multi-link-element-usage.docx) | *CR for 35.3.4.3 Multi-link element usage* | *Ming Gan* | *Q4M* | *CR-PDT* | *MAC* |
| [672r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0672-00-00be-cr-for-restricted-twt-sp.docx) | CR for Restricted TWT SP | Sunhee Baek | Pending SP  07/15  (2) | CR-PDT | MAC |
| [594r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0594-00-00be-cr-for-cids-related-to-sta-mac-address-of-non-ap-mld.docx) | CR for CIDs Related to STA MAC Address of Non-AP MLD | Guogang Huang | Deferred SP  07/12  (1) | CR-PDT | MAC |
| [534r5](https://mentor.ieee.org/802.11/dcn/21/11-21-0534-05-00be-cr-ml-reconfiguration.docx) | CR ML Reconfiguration | Payam Torab | Deferred SP  07/12  (2) | CR-PDT | MAC |
| [650r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0650-01-00be-cc34-resolution-for-cids-related-to-mlo-discovery.docx) | CC34 resolution for CIDs related to MLO Discovery | Abhishek Patil | Pending SP  07/15  (1) | CR-PDT | MAC |
| [285r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0285-00-00be-cc34-resolution-for-cids-related-to-mlo-ba-procedure.docx) | CC34 resolution for CIDs related to MLO BA Procedure | Abhishek Patil | Presented  (1) | CR-PDT | MAC |
| [740r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0740-00-00be-tbd-and-cr-for-group-addressed-frames.docx) | TBD and CR for group addressed frames | Ming Gan | Presented  (1) | CR-PDT | MAC |
| [662r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0662-02-00be-cr-for-35-4-2-ul-mu-operation.docx) | CR for 35.4.2 UL MU operation | Jason Yuchen Guo | Pending SP  Joint  (1) | CR-PDT | MAC |
| [741r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0741-01-00be-cr-for-cid-2162-and-2163.docx) | CR for CID 2162 and 2163 | Ming Gan | Deferred SP  07/12  (2) | CR-PDT | MAC |
| [877r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0877-00-00be-proposed-draft-text-for-transmit-stream-category-measurement.docx) | pdt-for-transmit-stream-category-measurement | Guogang Huang | Presented  (1) | CR-PDT | MAC |
| [792r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0792-00-00be-pdt-for-cc34-resolution-for-cid3222.docx) | PDT for CC34 Resolution for CID3222 | Arik Klein | Presented  (1) | CR-PDT | MAC |
| 915r0 | MAC-CR to MR Comments | Alfred Asterjadhi | Pending (0) | CR-PDT | MAC |
| [826r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0826-02-00be-pdt-for-error-recovery-of-nstr-mld.docx) | PDT for error recovery of NSTR MLD | Yunbo Li | Presented  (1) | CR-PDT | MAC |
| [971r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0971-00-00be-pdt-for-fast-ml-transition.docx) | PDT for fast ML transition | Po-Kai Huang | Presented (1) | CR-PDT | MAC |
| 1011r0 | PDT TWT for MLD follow up | Ming Gan | Pending (0) | PDT | MAC |
| [287r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0287-00-00be-cc34-cr-emlsr-part2.docx) | CC34 CR EMLSR part2 | Minyoung Park | Pending  (1) | CR-PDT | MAC |
| [282r6](https://mentor.ieee.org/802.11/dcn/21/11-21-0282-06-00be-resolutions-for-cc34-cids-for-mlo-tid-to-link-mapping-subclause.docx) | Resolutions for CC34 CIDs for MLO TID to link mapping subclause | Laurent Cariou | Presented SP  (2) | CR-PDT | MAC |
| End of MAC Queue | | | | | |
| [213r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0213-00-00be-pdt-update-phy-beamforming.docx) | PDT-Update-PHY-Beamforming | Genadiy Tsodik | Deferred | PDT | PHY. |
| [1008r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1008-00-00be-setting-of-usig-disregard-bits-in-tb-ppdu.pptx) | Setting of USIG Disregard Bits in TB-PPDU | Mahmoud Kamel | Presented | PDT | PHY |
| End of PHY Queue | | | | | |
| R4M: Ready for Motion; Q4M: Queued for Motion (present in motion list); *Approved*: Included in the TGbe Draft. | | | | | |

## CC36 & CC37 Comment Resolution List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Type (# CIDs)** | **Session** |
| [1059r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1059-00-00be-comment-resolution-for-cc37.docx) | Comment Resolution for CC37 | Sigurd Schelstraete | Pending | CR-57C | Joint |
| [706r4](https://mentor.ieee.org/802.11/dcn/21/11-21-0706-04-00be-tgbe-coexistence-assessment-document.docx) | TGbe Coexistence Assessment Document | Sigurd Schelstraete | Pending | CR-see [1059r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1059-00-00be-comment-resolution-for-cc37.docx) | Joint |
| End of Joint Queue | | | | | |
|  |  |  | Pending | CR | MAC |
| End of MAC Queue | | | | | |
| [*1052r0*](https://mentor.ieee.org/802.11/dcn/21/11-21-1052-00-00be-cc36-cr-for-36-3-12-9-eht-stf.docx) | *CR for 36.3.12.9 EHT-STF* | *Eunsung Park* | *Q4M* | *CR-1C* | *PHY* |
| [*1053r0*](https://mentor.ieee.org/802.11/dcn/21/11-21-1053-00-00be-cc36-cr-for-36-3-2-6-ru-and-mru-restrictions-for-20-mhz-operation.docx) | *CR for 36.3.2.6 RU and MRU restrictions for 20 MHz operation* | *Eunsung Park* | *Q4M* | *CR-2C* | *PHY* |
| [*1054r0*](https://mentor.ieee.org/802.11/dcn/21/11-21-1054-00-00be-cc36-cr-for-cid-4971-to-4974.docx) | *CR for CID 4971 to 4974* | *Eunsung Park* | *Q4M* | *CR-5C* | *PHY* |
| [*1127r0*](https://mentor.ieee.org/802.11/dcn/21/11-21-1127-00-00be-cc36-cr-on-ppdu-encoding-process.docx) | *CR on PPDU Encoding Process* | *Youhan Kim* | *Q4M* | *CR-11C* | *PHY* |
| [*1131r0*](https://mentor.ieee.org/802.11/dcn/21/11-21-1131-00-00be-cc36-plme.docx) | *CC36 PLME* | *Youhan Kim* | *Q4M* | *CR-5C* | *PHY* |
| [1088r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1088-00-00be-cc36-cr-on-36-6.doc) | CC36-CR-on-36.6 | Ross Jian Yu | Pending | CR-1C | PHY |
| [1057r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1057-00-00be-cr-on-36-3-12-8-3-part1.doc) | CR-on-36.3.12.8.3-part1 | Ross Jian Yu | Pending | CR-24C | PHY |
| [1048r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1048-00-00be-cc36-cr-on-36-3-12-8-1-general.doc) | CC36 CR on 36.3.12.8.1 General | Ross Jian Yu | Pending | CR-12C | PHY |
| [1042r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1042-00-00be-cc36-cr-on-spatial-configuration-subfield.doc) | CC36 CR on Spatial Configuration Subfield | Ross Jian Yu | Pending | CR-3C | PHY |
| [1041r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1041-00-00be-cc36-cr-on-annex-z.doc) | CC36 CR on Annex Z | Ross Jian Yu | Pending | CR-6C | PHY |
| [1107r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1107-00-00be-cc36-cr-on-36-3-5.doc) | CR on 36.3.5 | Genadiy Tsodik | Pending | CR-2C | PHY |
| [1103r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1103-00-00be-cc36-cr-on-9-4-1-67a-d-d101-part1.doc) | CR on 9.4.1.67a-d part1 | Genadiy Tsodik | Pending | CR-8C | PHY |
| [1121r0](https://mentor.ieee.org/802.11/dcn/21/11-21-1121-00-00be-cc36-cr-on-36-3-13-10.docx) | CR on 36.3.13.10 | Shimi Shilo | Pending | CR-4C | PHY |
| End of PHY Queue | | | | | |
| R4M: Ready for Motion; Q4M: Queued for Motion (present in motion list); *Approved*: Included in the TGbe Draft. | | | | | |

## Teleconference Agendas

### 1st Conf. Call: July 12 (19:00–21:00 ET)–PHY

* See [924r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0924-02-00be-tgbe-july-2021-meeting-agenda.pptx)

### 1st Conf. Call: July 12 (19:00–21:00 ET)–MAC

* See [924r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0924-02-00be-tgbe-july-2021-meeting-agenda.pptx)

### 2nd Conf. Call: July 14 (09:00–11:00 ET)–JOINT

* See 924rx

### 3rd Conf. Call: July 15 (09:00–11:00 ET)–PHY

* See 924rx

### 3rd Conf. Call: July 15 (09:00–11:00 ET)–MAC

* See 924rx

### 4th Conf. Call: July 19 (09:00–11:00 ET)–JOINT

* See 924rx

### 5th Conf. Call: July 21 (10:00–12:00 ET)–MAC

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to 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:
* Technical Submissions**: CR-PDTs**
* Technical Submissions**:**
* AoB:
* Adjourn

### 6th Conf. Call: July 22 (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:
* Technical Submissions**: CRs**
* Technical Submissions**:**
* AoB:
* Adjourn

### 7th Conf. Call: July 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
    - 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 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:
* Technical Submissions**: CRs**
* Technical Submissions**:**
* AoB:
* Adjourn

### 7th Conf. Call: July 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

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:
* Technical Submissions**: CRs**
* Technical Submissions**:**
* AoB:
* Adjourn

### 8th Conf. Call: July 28 (10:00–12:00 ET)–JOINT

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “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 Dennis Sundman ([dennis.sundman@ericsson.com](mailto:dennis.sundman@ericsson.com)) and Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions**: CRs**
* Technical Submissions:
* AoB:
* Adjourn

## TGbe Guidelines document

* <https://mentor.ieee.org/802.11/dcn/20/11-20-0984-01-00be-tgbe-teleconference-guidelines.docx>

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

## Patent And Procedures

### Patent-related information

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

* IEEE-SA Standards Board Bylaws

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

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

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

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

### Participation in IEEE 802 Meetings

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

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

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

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

### Other guidelines for IEEE WG meetings

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

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

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

### IEEE SA Copyright Policy

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

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

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

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

IEEE SA Copyright Permission

* https://[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

* http://[standards.ieee.org/develop/policies/best\_practices\_for\_ieee\_standards\_development\_051215.pdf](http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf)

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

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

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

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

**IEEE Code of Ethics**

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

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

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

**Antitrust and Competition Policy**

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

**Letter of Assurance Form**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Participation in IEEE 802 Meetings**

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

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

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