IEEE P802.11  
Wireless LANs

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| TGbe July to September 2022 teleconference agendas | | | | | |
| Date: 2022-07-18 | | | | | |
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Abstract

This document contains the draft agenda for July to September 2022 TGbe teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-2: Added additional submissions requests.
* Rev 3: Updated after the first conf call. Includes agenda for 2 conf call.

|  |  |
| --- | --- |
| **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 **12** teleconferences up to September 09th:

## Teleconferences Plan for July to September

**July 18-22 (Mon-Fri) – No Conf Calls Holiday**

**July 27 (Wednesday) – Joint 10:00-12:00 ET**

**July 28 (Thursday) – MAC 10:00-12:00 ET**

**Aug 01 (Monday) – MAC/PHY 19:00-21:00 ET**

**Aug 03 (Wednesday) – MAC 10:00-12:00 ET**

**Aug 10 (Wednesday) – Joint (Motions) 10:00-12:00 ET**

**Aug 11 (Thursday) – MAC 10:00-12:00 ET**

**Aug 15 (Monday) – MAC/PHY 19:00-21:00 ET**

**Aug 17 (Wednesday) – MAC 10:00-12:00 ET**

**Aug 24 (Wednesday) – Joint (Motions) 10:00-12:00 ET**

**Aug 25 (Thursday) – MAC 10:00-12:00 ET**

**Aug 29 (Monday) – MAC/PHY 19:00-21:00 ET**

**Aug 31 (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

* **CAD Ballot - Work In Progress**
* **LB266 -** Work In Progress (statistics shown in Figure (updated **July 15**)).
  + **Current Status**: Number CIDs that have been resolved (includes all CIDs that are R4M).
  + **Linear Target**: Monthly targets, based on a linear function, to meet November 2022 milestone.

### LB266 CR Monthly Status



### LB266 CR Overall Status



### Top 20: Assignees with a high number of pending CIDs (as of July 26th, 2022)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **POC** | **Total** | **Pending** | **Resolved** | **Ready for motion** |
| Po-Kai Huang | 321 | **265** | 56 | 0 |
| Laurent Cariou | 277 | **239** | 36 | 2 |
| Dibakar Das | 235 | **235** | 0 | 0 |
| Minyoung Park | 234 | **234** | 0 | 0 |
| Ming Gan | 250 | **233** | 10 | 7 |
| Chunyu Hu | 196 | **172** | 24 | 0 |
| Abhishek Patil | 296 | **152** | 133 | 11 |
| Yunbo Li | 130 | **126** | 4 | 0 |
| Duncan Ho | 120 | **120** | 0 | 0 |
| Liwen Chu | 117 | **117** | 0 | 0 |
| Binita Gupta | 105 | **105** | 0 | 0 |
| Yongho Seok | 104 | **95** | 7 | 2 |
| Subir Das | 103 | **81** | 22 | 0 |
| Michael Montemurro | 80 | **79** | 0 | 1 |
| Gaurang Naik | 112 | **75** | 36 | 1 |
| kaiying Lu | 73 | **67** | 6 | 0 |
| Insun Jang | 63 | **63** | 0 | 0 |
| Jian Yu | 74 | **62** | 12 | 0 |
| JINYOUNG CHUN | 69 | **60** | 9 | 0 |
| Yanjun Sun | 93 | **58** | 35 | 0 |

## LB266 Comment Resolution Queues

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Type**  **(# CIDs)** | **Session** |
| [*1046r0*](https://mentor.ieee.org/802.11/dcn/22/11-22-1046-00-00be-lb266-cr-for-subclause-9-4-2-199.docx) | *LB266 CR for subclause 9.4.2.199* | *Ming Gan* | *R4M-2C* | *2* | *Joint* |
| [*1125r3*](https://mentor.ieee.org/802.11/dcn/22/11-22-1025-00-00be-cr-for-om-part-1.docx) | *LB266: CR for Figure 35-3* | *Abhishek Patil* | *R4M-11C* | *11* | *Joint* |
| [1090r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1090-00-00be-lb266-cr-for-section-9-3-1-19-part2.doc) | LB266 CR for Section 9.3.1.19 - part2 | Genadiy Tsodik | Presented-07/27  Pending SP | 5 | Joint |
| *[1124r4](https://mentor.ieee.org/802.11/dcn/22/11-22-1124-01-00be-lb266-cr-for-9-3-1-22-misc.docx)* | *LB266 CR for 9.3.1.22 MISC* | *Yanjun Sun* | *R4M-3C* | *3* | *Joint* |
| [*1165r3*](https://mentor.ieee.org/802.11/dcn/22/11-22-1165-00-00be-lb266-cr-document-resolving-comments-related-to-annex-b.docx) | *CR doc. resolving comms rel. to Annex-B* | *Rajat Pushkarna* | *R4M-5C* | *5* | *Joint* |
| [1120r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1120-00-00be-lb266-cr-for-cids-of-4-3-16a.docx) | CR for CIDs of 4.3.16a | Yanyi Ding | Presented-07/27  Pending SP | 2 | Joint |
| [*1177r*](https://mentor.ieee.org/802.11/dcn/22/11-22-1177-00-00be-lb266-cr-for-35-2-2.docx)*1* | *LB266 CR for 35.2.2* | *Yanjun Sun* | *R4M-14C*  Def-1C (07/27) | *15* | *Joint* |
| [1196r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1196-00-00be-lb266-clause-3-2-comment-resolutions.doc) | lb266-clause-3-2-comment-resolutions | Stephen McCann | Pending (Aug 10) | 10 | Joint |
| [1194r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1194-00-00be-lb266-cr-for-9-4-1-70.docx) | LB266 CR for 9.4.1.70 | Jinyoung Chun | Presented-07/27  Pending SP | 11 | Joint |
| [1131r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1131-00-00be-lb266-cr-on-9-4-1-71.docx) | LB266 CR on 9.4.1.71 | Jinyoung Chun | Pending | 6 | Joint |
|  | | | | | |
| End of Joint Queue | | | | | |
| 1006r0 | CR for Frame Exchanges for MLO discovery and setup | Abhishek Patil | Pending | 10 | MAC |
| [1028r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1028-00-00be-triggered-txop-sharing-error-recovery-cid-12420.pptx) | Triggered TXOP Sharing Error Recovery CID 12420 | Ronny Y. Kim | Pending | 1 | MAC |
| [1036r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1036-01-00be-lb266-cr-for-35-9-2-1-latency-sensitive-traffic-differentiation.docx) | CR for latency sensitive traffic delivery | Liuming Lu | Pending | 1 | MAC |
| 1037r0 | CR for 35.9.2.1 Latency sensitive traffic differentiation | Liuming Lu | Pending | 1 | MAC |
| [1043r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1043-02-00be-lb266-cr-on-more-data-ack.docx) | LB266 CR on More Data Ack | Guogang Huang | Pending | 1 | MAC |
| [1049r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1049-00-00be-lb266-cr-pifs-error-recovery.docx) | LB266 CR PIFS error recovery | Yunbo Li | Pending | 4 | MAC |
| [1050r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1050-00-00be-lb266-cr-320mhz-bqr.docx) | LB266 CR 320MHz BQR | Yunbo Li | Pending | 2 | MAC |
| [1051r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1051-00-00be-lb266-cr-for-twt.docx) | LB266: CR for TWT | Rubayet Shafin | Pending | 6 | MAC |
| [1052r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1052-00-00be-end-time-alignment-of-sync-ppdus-medium-access-cid-12415-12426-12431.pptx) | End time alignment of Sync PPDUs medium access - CID 12415, 12426, 12431 | Ronny Y. Kim | Pending | 3 | MAC |
| [1054r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1054-00-00be-cr-for-35-3-5-1-part-i.docx) | CR for 35.3.5.1 Part I | Po-Kai Huang | Pending | 46 | MAC |
| [1073r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1073-01-00be-lb266-cr-for-35-13-intra-ppdu-power-save.docx) | CR-for-35.13-Intra-PPDU-Power-Save | Jason Y. Guo | Pending | 1 | MAC |
| [1129r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1129-00-00be-lb266-cr-cl9-emlsr.docx) | LB266 CR CL9 EMLSR | Minyoung Park | Pending (Aug 1) | 19 | MAC |
| [1171r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1171-00-00be-cr-for-misc-cids.docx) | CR for misc CIDs | Xiaofei WANG | Pending | 11 | MAC |
| [1174r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1174-00-00be-cr-for-35-3-5-3.docx) | CR for 35.3.5.3 | Po-Kai Huang | Pending | 8 | MAC |
| 1182r0 | CR for ML IE rules - part 2 | Abhishek Patil | Pending | 25 | MAC |
| 1181r0 | LB266 CR CL35 EMLSR part1 | Minyoung Park | Pending (Aug 1) | 31 | MAC |
| [1174r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1174-00-00be-cr-for-35-3-5-3.docx) | CR for 35.3.5.3 | Po-Kai Huang | Pending | 7 | MAC |
| [1117r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1117-00-00be-cr-for-9-2-4-5.docx) | CR for 9.2.4.5 | Jinyoung Chun | Pending | 4 | MAC |
| [1179r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1179-00-00be-resolution-of-cids-in-clauses-35-17-1-and-35-17-2-lb-266.docx) | Resolution of CIDs in clauses 35.17.1 and 35.17.2 (LB 266) | John Wullert | Pending | 32 | MAC |
| [1180r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1180-00-00be-resolution-of-cids-in-clauses-9-4-2-313-2-and-9-6-35-related-to-epcs-lb266.docx) | Resolution of CIDs in clauses 9.4.2.313.2 and 9.6.35 related to EPCS (LB266) | John Wullert | Pending | 13 | MAC |
| 1188r0 | CR for Medium Sync Recovery | Dibakar Das | Pending | 38 | MAC |
| 1204r0 | CR CL35 EMLSR part2 | Minyoung Park | Pending | 20 | MAC |
| [1205r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1205-00-00be-indicating-to-operate-in-eml-mode-via-ps-poll-or-qos-null.docx) | Indicating-to-operate-in-EML-mode-via-PS-Poll-or-QoS-Null | Xiangxin Gu | Pending | 1 | MAC |
| **Technical Submissions** | | | | | |
| [1202r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1202-00-00be-reducing-the-size-of-ml-traffic-indication-element.pptx) | Reducing the size of ML traffic ind. IE | Vishnu Ratnam | Pending | 1 | MAC |
| [1201r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1201-00-00be-ml-traffic-indication-using-a-control.pptx) | ML traffic indication using A-control | Vishnu Ratnam | Pending | 1 | MAC |
| End of MAC Queue | | | | | |
| [1148r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1148-00-00be-cr-on-cid12154.docx) | LB266-CR-on-CID12154 | Lin Yang | Pending | 1 | PHY |
| [1086r](https://mentor.ieee.org/802.11/dcn/22/11-22-1086-00-00be-lb266-cr-in-36-3-12-8-2.doc)1 | LB266 CR in 36.3.12.8.2 | Ross Jian Yu | Pending | 7 | PHY |
| [1163r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1163-00-00be-11be-lb266-cr-for-clause-36-3-14-packet-extension.docx) | CR for clause 36.3.14 Packet Extension | Yan Zhang | Pending | 6 | PHY |
| [1164r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1164-00-00be-11be-lb266-cr-for-clause-36-3-11-mathematical-description-of-signals.docx) | CR for Clause 36.3.11 Mathematical description of signals | Yan Zhang | Pending | 7 | PHY |
| [1169r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1169-00-00be-lb266-cr-on-cid-12138-12139-12140.docx) | LB266-CR-on-CID 12138-12139-12140 | Yapu Li | Pending | 3 | PHY |
| [1130r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1130-00-00be-lb266-cr-in-36-3-12-8-3.doc) | CR in 36.3.12.8.3 | Ross Jian Yu | Pending | 22 | 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: July 27 (10:00–12:00 ET)–JOINT

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “<Joint TGbe > conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) and Alfred Asterjadhi ([asterjadhi@gmail.com](mailto:asterjadhi@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* **Announcements:**
  + TGbe D2.1 is available in the member’s area.
* TGbe editor’s report: [[972r](https://mentor.ieee.org/802.11/dcn/22/11-22-0972-05-00be-tgbe-editor-s-report-on-lb266.ppt)6](https://mentor.ieee.org/802.11/dcn/22/11-22-0972-06-00be-tgbe-editor-s-report-on-lb266.ppt)
* TGbe chair’s status:
  + **CR progress tracking:** 1) Monthly Status, 2) Overall Status, 3) Top 20 Assignees
  + **Tasks for POCs (in particular the POCs for MAC/Joint in Top 20):** Send an e-mail with a plan on the comment resolution phases. Something along these lines:
    - **Phase 1:** I have a total of ***X*** CIDs, of which I plan to resolve ***Y*** CIDs during the July to Sept Conf calls, ***Z*** CIDs during the September Ad-Hoc and ***W*** CIDs during the September F2F. Hopefully the sum of the last set of variables is ***X***.
    - **Phase 2: (FYI, i.e., no need for now, since it is a task for after Sept F2F)** I have a total of ***X*** CIDs, of which I plan to resolve ***Y*** CIDs during the Sept to Nov Conf calls, ***Z*** CIDs during the November Ad-Hoc (if scheduled) and ***W*** CIDs during the November F2F. The sum of the last set of variables is ***X***.
  + **Guidelines:** Updated item 10 in [11-20/984r14](https://mentor.ieee.org/802.11/dcn/20/11-20-0984-14-00be-tgbe-teleconference-guidelines.docx)
* Technical Submissions**: CRs**
  + [1177r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1177-00-00be-lb266-cr-for-35-2-2.docx) LB266 CR for 35.2.2 Yanjun Sun [15C]
  + [1090r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1090-00-00be-lb266-cr-for-section-9-3-1-19-part2.doc) LB266 CR for Section 9.3.1.19 - part2 Genadiy Tsodik [5C]
  + [1165r2](https://mentor.ieee.org/802.11/dcn/22/11-22-1165-00-00be-lb266-cr-document-resolving-comments-related-to-annex-b.docx) CR doc. resolving comms rel. to Annex-B Rajat Pushkarna [5C]
  + [1124r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1124-01-00be-lb266-cr-for-9-3-1-22-misc.docx) LB266 CR for 9.3.1.22 MISC Yanjun Sun [3C]
  + [1120r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1120-00-00be-lb266-cr-for-cids-of-4-3-16a.docx) CR for CIDs of 4.3.16a Yanyi Ding [2C]
  + [1194r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1194-00-00be-lb266-cr-for-9-4-1-70.docx) LB266 CR for 9.4.1.70 Jinyoung Chun [11C]
  + [1131r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1131-00-00be-lb266-cr-on-9-4-1-71.docx) LB266 CR on 9.4.1.71 Jinyoung Chun [6C]
* AoB:
* Adjourn

### 2nd Conf. Call: July 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

* + **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**
  + [1054r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1054-00-00be-cr-for-35-3-5-1-part-i.docx) CR for 35.3.5.1 Part I Po-Kai Huang [46C]
  + [1171r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1171-00-00be-cr-for-misc-cids.docx) CR for misc CIDs Xiaofei WANG [11C]
  + [1174r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1174-00-00be-cr-for-35-3-5-3.docx) CR for 35.3.5.3 Po-Kai Huang [8C]
  + [1028r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1028-00-00be-triggered-txop-sharing-error-recovery-cid-12420.pptx) Triggered TXOP Sharing Error Recovery Ronny Y. Kim [1C]
  + [1036r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1036-01-00be-lb266-cr-for-35-9-2-1-latency-sensitive-traffic-differentiation.docx) CR for latency sensitive traffic delivery Liuming Lu [1C]
  + 1037r0 CR for 35.9.2.1 Latency sensitive traffic differentiation Liuming Lu [1C]
* AoB:
* Adjourn

### 3rd Conf. Call: August 01 (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:
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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 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**
  + [1148r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1148-00-00be-cr-on-cid12154.docx) LB266-CR-on-CID12154 Lin Yang [1C]
  + [1086r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1086-01-00be-lb266-cr-in-36-3-12-8-2.doc) LB266 CR in 36.3.12.8.2 Ross Jian Yu [7C]
  + [1163r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1163-00-00be-11be-lb266-cr-for-clause-36-3-14-packet-extension.docx) CR for clause 36.3.14 Packet Extension Yan Zhang [6C]
  + [1164r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1164-00-00be-11be-lb266-cr-for-clause-36-3-11-mathematical-description-of-signals.docx) CR for 36.3.11 Mathematical description of signals Yan Zhang [7C]
  + [1169r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1169-00-00be-lb266-cr-on-cid-12138-12139-12140.docx) LB266-CR-on-CID 12138-12139-12140 Yapu Li [3C]
  + [1130r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1130-00-00be-lb266-cr-in-36-3-12-8-3.doc) CR in 36.3.12.8.3 Ross Jian Yu [22C]
* AoB:
* Adjourn

### 3rd Conf. Call: August 01 (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**
  + [1129r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1129-00-00be-lb266-cr-cl9-emlsr.docx) LB266 CR CL9 EMLSR Minyoung Park [19C]
  + **…**
* AoB:
* Adjourn

### 4th Conf. Call: August 03 (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**
  + **…**
* AoB:
* Adjourn

### 5th Conf. Call: August 10 (10:00–12:00 ET)–JOINT

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “<Joint TGbe > conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jason Y. Guo ([guoyuchen@huawei.com](mailto:guoyuchen@huawei.com)) and Alfred Asterjadhi ([asterjadhi@gmail.com](mailto:asterjadhi@gmail.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* **Announcements:**
* Technical Submissions**: CRs**
  + [1196r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1196-00-00be-lb266-clause-3-2-comment-resolutions.doc) lb266-clause-3-2-comment-resolutions Stephen McCann [10C]
  + [1131r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1131-00-00be-lb266-cr-on-9-4-1-71.docx) LB266 CR on 9.4.1.71 Jinyoung Chun [6C]
  + [1090r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1090-00-00be-lb266-cr-for-section-9-3-1-19-part2.doc) LB266 CR for Section 9.3.1.19 - part2 Genadiy Tsodik [5C SP]
  + [1120r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1120-00-00be-lb266-cr-for-cids-of-4-3-16a.docx) CR for CIDs of 4.3.16a Yanyi Ding [2C SP]
  + [1194r0](https://mentor.ieee.org/802.11/dcn/22/11-22-1194-00-00be-lb266-cr-for-9-4-1-70.docx) LB266 CR for 9.4.1.70 Jinyoung Chun [11C SP]
* Motions**:**
  + **…**
* AoB:
* Adjourn

## TGbe Guidelines document

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

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## Patent And Procedures

### Patent-related information

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

* IEEE-SA Standards Board Bylaws

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

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

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

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

### Participation in IEEE 802 Meetings

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

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

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

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

### Other guidelines for IEEE WG meetings

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

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

### IEEE SA Copyright Policy

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

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

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

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

IEEE SA Copyright Permission

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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>