IEEE P802.11  
Wireless LANs

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| TGbe 2020 November to 2021 January teleconference agendas | | | | | |
| Date: 2020-11-01 | | | | | |
| Author(s): | | | | | |
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Abstract

This document contains the draft agenda for November 2020 to January 2021 TGbe teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-2: Updated telco schedule accounting for feedback received from the group during the Joint conf call.
* Rev 3: Added agendas for the first and second conf call, and populated the queues, inheriting backlogged presentations from the previous agenda.
* Rev 4-6: Added some additional received submissions and upates after 1st conf call.
* Rev 7: Added agendas for the third conf call. Please note that PHY call is cancelled.
* Rev 8: Added agenda for the fourth conf call, including new submission requests.

|  |  |
| --- | --- |
| **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 (Quantenna)  **PHY Ad-Hoc Chair:**Tianyu Wu (Apple) | **MAC Ad-Hoc Chair:**Jeongki Kim (LGE)  **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 21 teleconferences up to January 07th for discussing technical presentations:

## Teleconferences Plan for September to November

* **Nov 2 Monday – MAC/PHY 19:00-21:00 ET**
* **Nov 4 Wednesday – Joint (Motions) 09:00-11:00 ET**
* **Nov 5 Thursday – MAC/PHY 09:00-11:00 ET**
* **Nov 9 Monday – Joint (Motions) 09:00-11:00 ET**
* **Nov 11 Wednesday – Joint 10:00-12:00 ET**
* **Nov 12 Thursday – MAC/PHY 10:00-12:00 ET**
* **Nov 16 Monday – MAC/PHY 10:00-12:00 ET**
* **Nov 18 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Nov 19 Thursday – MAC/PHY 19:00-22:00 ET**
* **Nov 23 Monday – No Conf Call Thanksgiving**
* **Nov 25 Wednesday – No Conf Call Thanksgiving**
* **Nov 26 Thursday – No Conf Call Thanksgiving**
* **Nov 30 Monday – MAC/PHY 19:00-22:00 ET**
* **Dec 02 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Dec 03 Thursday – MAC/PHY 10:00-12:00 ET**
* **Dec 07 Monday – MAC/PHY 10:00-12:00 ET**
* **Dec 09 Wednesday – Joint 10:00-12:00 ET**
* **Dec 10 Thursday – MAC/PHY 19:00-22:00 ET**
* **Dec 14 Monday – MAC/PHY 19:00-22:00 ET**
* **Dec 16 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Dec 17 Thursday – MAC/PHY 10:00-12:00 ET**
* **Dec 21 Monday – No Conf Call Holiday**
* **Dec 23 Wednesday – No Conf Call Holiday**
* **Dec 24 Thursday – No Conf Call Holiday**
* **Dec 28 Monday – No Conf Call Holiday**
* **Dec 30 Wednesday – No Conf Call Holiday**
* **Dec 31 Thursday – No Conf Call Holiday**
* **Jan 04 Monday – MAC/PHY 19:00-22:00 ET**
* **Jan 06 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Jan 07 Thursday – MAC/PHY 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

## Deferred SPs List

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [992r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0992-04-00be-mlo-optional-mandatory.pptx) | MLO optional mandatory | Laurent Cariou | 7 SP  (1 SP left) | ML-General | MAC |
| [1140r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1140-03-00be-ecsa-for-multi-link-operation.pptx) | eCSA for multi link operation | Laurent Cariou | 6 SP | ML-Mgmt. | MAC |
| [1122r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1122-03-00be-802-11be-architecture-association-discussion.pptx) | 802.11be Architecture/Association Discussion | Joseph Levy | 4 SPs (deferred) | ML-General | MAC |
| [1358r5](https://mentor.ieee.org/802.11/dcn/19/11-19-1358-05-00be-multi-link-operation-management.pptx) | Multi-link Operation Management | Yongho Seok | 1 SP (deferred) | ML-Mgmt. | MAC |
| [680r2](https://mentor.ieee.org/802.11/dcn/20/11-20-0680-02-00be-operating-bandwidth-indication-for-eht-bss.pptx) | Operating Bandwidth Indication for EHT BSS | Guogang Huang | 2 Sps | MAC-General | MAC |
| [702r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0702-01-00be-fragmentation-in-mlo.pptx) | Fragmentation in MLO | Abhishek Patil | 4 SPs | ML-Operation | MAC |
| [586r9](https://mentor.ieee.org/802.11/dcn/20/11-20-0586-09-00be-mlo-signaling-of-critical-updates.pptx) | MLO: Signaling of critical updates | Abhishek Patil | 1 SP | ML-Mgmt | MAC |
| [903r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0903-01-00be-multi-link-group-addressed-data-frame-delivery-follow-up.pptx) | Multi-link Group Addressed Data Frame Delivery Follow up | Po-Kai Huang | 1 SP | ML-General | MAC |
| [1052r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1052-01-00be-eht-bss-follow-up-eht-bss-operating-parameter-update.pptx) | EHT operating parameter update | Liwen Chu | SP 1 | MAC-General | MAC |
| [593r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0593-01-00be-eht-bss-follow-up-eht-bw-nss-mcs-and-he-bw-nss-mcs.pptx) | EHT BSS Op.-EHT BW Nss MCS and HE BW Nss MCS | Liwen Chu | SP1-3 | MAC-General | MAC |
| [1115r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1115-04-00be-mld-ap-power-saving-ps-considerations.pptx) | MLD AP Power-saving (PS) Considerations | Jay Yang | 2 SPs | ML-Power Save | MAC |
|  |  |  |  |  |  |
| [828r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0828-00-00be-ru-allocation-subfield-design-for-eht-trigger-frame.pptx) | RU Allocation Subfield Design for EHT Trigger Frame | Myeongjin Kim | SPs  (deferred) | Trigger | PHY |
| [1672r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1672-00-00be-ul-beamforming-for-tb-ppdus.pptx) | UL Beamforming for TB PPDUs | Shimi Shilo | SPs  (deferred) | General | PHY |
| [~~1066r1~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1066-01-00be-4x-eht-ltf-sequence.pptx) | ~~4x EHT-LTF Sequence~~ | ~~Jinyoung Chun~~ | ~~Removed~~ | ~~Preamble~~ | ~~PHY~~ |
| [1703r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1703-00-00be-backward-compatible-trigger-frame-ru-allocation-table.pptx) | Trigger frame RU allocation Table | Steve Shellhammer | SPs  (deferred) | Trigger | PHY |
| [1317r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1317-02-00be-sig-contents-discussion-for-eht-sounding-ndp.pptx) | SIG contents discussion for EHT sounding NDP | Ross Jian Yu | Done | Preamble | PHY |
| [1375r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1375-03-00be-eht-nltf-design.pptx) | EHT NLTF Design | Rui Cao | Done | Preamble | PHY |
| [1161r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1161-01-00be-eht-punctured-ndp-and-partial-bandwidth-feedback.pptx) | EHT Punctured NDP and Partial Bandwidth feedback | Bin Tian | Done | General | PHY |

## Back-Logged Technical Presentations’ List

* 6 submissions in the Joint queue
* 15 + 6 (deferred) + 13 (no link) submissions in the MAC queue
* 0 + 1 (deferred) submissions in the PHY queue

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| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [1036r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1036-05-00be-terminology-for-soft-ap-mld.pptx) | Terminology for Soft AP MLD | Jinjing Jiang | Pending | General | Joint |
| [1247r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1247-00-00be-virtual-bss-for-multi-ap-coordination.pptx) | Virtual bss for multi ap coodination | Jay Yang | Pending | MAP-General | Joint |
| [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 | MAP-General | Joint |
| [1436r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1436-04-00be-ndpa-and-mimo-control-field-design-for-eht.pptx) | NDPA and MIMO Control Field Design for EHT | Sameer Vermani | Presented | Sounding | Joint |
| [1040r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1040-01-00be-coordinated-sr-for-uplink.pptx) | Coordinated SR for Uplink | Jonghun Han | Pending | MAP-SR | Joint |
| ~~1469r0~~ | ~~EHT sounding discussion~~ | ~~Liwen Chu~~ | ~~No Link~~ | ~~Sounding~~ | ~~Joint~~ |
| [1643r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1643-01-00be-implicit-sounding-performance.pptx) | Implicit Sounding Performance | Oren Kedem | Presented | Sounding | Joint |
| [1669r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1669-02-00be-spatial-stream-allocation-in-trigger-frames.pptx) | Spatial-stream-allocation-in-trigger-frames | Mengshi Hu | Pending | Trigger | Joint |
| [1685r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1685-00-00be-ul-length-indication-in-trigger-frame.pptx) | UL length indication in trigger frame | Ross Jian Yu | Pending | Trigger | Joint |
| [1713r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1713-01-00be-multi-ap-coordination-recap-and-additional-considerations.pptx) | Multi-AP Coordination:Recap and Additional Considerations | Muhammad S. J. Solaija | Pending | MAP-General | Joint |
| End of Joint Queue | | | | | |
| [1044r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1044-00-00be-mlo-tid-to-link-mapping-negotiation.pptx) | MLO: TID-to-link mapping negotiation | Abhishek Patil | Pending | ML-Mgmt. | MAC |
| [362r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0362-01-00be-proposals-on-ampdu-ba-mechanisms.pptx) | Proposals on AMPDU-BA mechanisms | Sindhu Verma | Pending | MAC-Block Ack | MAC |
| [968r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0968-00-00be-multi-link-rts-cts-operations-with-non-str-sta-mld.pptx) | Multi-link RTS-CTS operations with non-STR STA MLD | Ronny Y. Kim | Presented | ML-Constr. ops | MAC |
| [527r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0527-01-00be-multi-link-constraint-signaling.pptx) | Multi-link Constraint Signaling | Yongho Seok | Deferred | ML-Constr. ops | MAC |
| [1036r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1036-05-00be-terminology-for-soft-ap-mld.pptx) | Terminology for Soft AP MLD | Jinjing Jiang | Pending | ML-General | MAC |
| ~~1056r0~~ | ~~Peer to Peer ESR STA MLD and ESR AP MLD~~ | ~~Liwen Chu~~ | ~~No Link~~ | ~~ML-Constr. ops~~ | ~~MAC~~ |
| [1062r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1062-00-00be-error-recovery-for-non-str-mld.pptx) | Error recovery for non-STR MLD | Yunbo Li | Presented | ML-Constr. ops | MAC |
| [1085r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1085-01-00be-str-capability-signaling.pptx) | STR-Capability-Signaling | Dibakar Das | Pending | ML-Constr. ops | MAC |
| [1131r2](https://mentor.ieee.org/802.11/dcn/19/11-19-1131-02-00be-consideration-on-harq-unit.pptx) | Multi link reference model discussion | Yonggang Fang | Deferred | ML-General | MAC |
| [1148r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1148-00-00be-discussion-on-mld-architecture.pptx) | Discussion on MLD architecture | Po-Kai Huang | Deferred | ML-General | MAC |
| [1156r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1156-00-00be-contention-window-value-management-for-str-mld.pptx) | Contention Window Value Management for STR MLD | Sanghyun Kim | Pending | ML-Med Access | MAC |
| [1171r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1171-01-00be-multi-link-ap-network-reference-model-discussion.pptx) | Multi-link ap network reference model discussion | Yonggang Fang | Deferred | ML-General | MAC |
| [1220r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1220-00-00be-str-and-non-str-capability-indication.pptx) | STR and non-STR capability indication | Yonggang Fang | Deferred | ML-Constr. ops | MAC |
| [1221r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1221-00-00be-multi-link-channel-access-for-non-str-mld.pptx) | Multi-link channel access for non-STR links | Yonggang Fang | Deferred | ML-Constr. ops | MAC |
| [1263r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1263-00-00be-non-str-blindness-rules-discussion.pptx) | Non-STR Blindness Rules Discussion | Sharan Naribole | Pending | ML-Constr. ops | MAC |
| [1312r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1312-00-00be-triggered-su-ppdu-for-11ber1.pptx) | Triggered SU PPDU for 11be R1 | Dibakar Das | Presented | MAC-General | MAC |
| [1350r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1350-01-00be-enhancements-for-qos-and-low-latency-in-802-11be-r1.pptx) | Enhancements for QoS and low latency in 802.11be R1 | Dave Cavalcanti | Deferred | Low-Latency | MAC |
| [1365r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1365-00-00be-further-discussion-about-blindness-for-non-str-mld.pptx) | Further Discussion about Blindness for non-STR MLD | Yunbo Li | Pending | ML-Constr. ops | MAC |
| 1388r0 | Bandwidth indication of larger than 160MHz for RTS and CTS | Yunbo Li | Pending | MAC-Protection | MAC |
| [1424r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1424-01-00be-abbreviation-and-definitions-related-to-str.pptx) | Abbreviation and Definitions related to STR | Yunbo Li | Pending | ML-General | MAC |
| 1456r0 | Error Recovery in Synchronous Multiple Frame Transmission | Yongho Seok | Pending | ML-General | MAC |
| 1457r0 | Multi-link Contention-based Admission Control | Yongho Seok | Pending | Low Latency | MAC |
| 1459r0 | EHT MU-RTS and CTS frame exchange | Yongho Seok | Pending | MAC-Protection | MAC |
| 1540r0 | Proposals for an NSTR soft AP | Shubhodeep Adhikari | Pending | ML-General | MAC |
| 1545r0 | MLD security considerations | Gaurav Patwardhan | Pending | ML-Operation | MAC |
| [1554r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1554-00-00be-ml-reconfiguration.pptx) | ML reconfiguration | Payam Torab | Pending | ML-Mgmt. | MAC |
| [1576r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1576-00-00be-multilink-management-for-non-str-soft-ap.pptx) | Multilink Management for Non-STR Soft AP | Ronny Yongho Kim | Pending | ML-Mgmt. | MAC |
| 1476r0 | Considerations on the Recovery Procedure in Synchronous ML Operation | Hanseul Hong | Pending | ML-Med Access | MAC |
| [1551r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1551-00-00be-tid-to-link-mapping-negotiation.pptx) | TID-to-Link-Mapping-Negotiation | Guogang Huang | Pending | ML-Mgmt. | MAC |
| [1534r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1534-00-00be-discussion-on-multi-link-setup.pptx) | Discussion-on-multi-link-setup | Guogang Huang | Pending | ML-Mgmt. | MAC |
| [1670r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1670-00-00be-low-latency-resource-agreements.pptx) | Low-latency-resource-agreements | Jonas Sedin | Pending | Low Latency | MAC |
| 902r0 | Group addressed frames delivery for MLO follow up | Ming Gan | Pending | ML-Operation | MAC |
| 1124r0 | ML element design | Ming Gan | Pending | ML-Mgmt. | MAC |
| 1693r0 | TSPEC-lite | Duncan Ho | Pending | Low Latency | MAC |
| 1692r0 | TDLS handling in MLO | Abhishek Patil | Pending | ML-Operation | MAC |
| End of MAC Queue | | | | | |
| [1565r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1565-00-00be-mu-mimo-in-320mhz-bw-with-reduced-overhead.pptx) | MU-MIMO in 320MHz BW with Reduced Overhead | Oded Redlich | Deferred | MU MIMO | PHY |
| [1700r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1700-01-00be-dual-carrier-index-modulation.pptx) | Dual-Carrier Index Modulation | Ali Dogukan | Presented | General | PHY |
| End of PHY Queue | | | | | |

## New Technical Presentations’ List

* 1 submissions in the Joint queue
* 2 submissions in the MAC queue
* 0 submission in the PHY queue

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| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [1747r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1747-00-00be-eht-ndpa-partial-bw-info-design.pptx) | EHT NDPA Partial BW Info Design | Rui Cao | Pending | Sounding | Joint |
| [1469r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1469-00-00be-eht-sounding-discussion.pptx) | EHT sounding discussion | Liwen Chu | Pending | Sounding | Joint |
| Requests Received after the Call For Submissions of November | | | | | |
|  |  |  |  |  | Joint |
| End of Joint Queue | | | | | |
| 1737r0 | Solicited method for critical update in multi-link | Namyeong Kim | Pending | ML Mgmt. | MAC |
| 1738r0 | Signaling of Beacon Interval for AP MLD | Insun Jang | Pending | ML Mgmt. | MAC |
| 1691r0 | TXOP rules to reduce worst-case latency | Thomas Handte | Pending | Low Latency | MAC |
| Requests Received after the Call For Submissions of November | | | | | |
| [1780r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1780-00-00be-reduced-blockack.pptx) | Reduced-BlockAck | Sanghyun Kim | Pending | MAC-Block Ack | MAC |
| End of MAC Queue | | | | | |
|  |  |  |  |  | PHY |
| Requests Received after the Call For Submissions of November | | | | | |
|  |  |  |  |  | MAC |
| End of PHY Queue | | | | | |

## Order of Topics

### Joint

* Trigger (**2**), Sounding (**3**), Multi-RU (**0**), General (**0**), MAP-General (**3**), MAP-SR (**1**), MAP-Protection (0), HARQ (0), MAP-TDMA (0), Low Lat (0), MAP-MU MIMO (0) MAP-CBF (0)**.**

### MAC

* ML-General (**4**), MAC-General (**0)**, ML-Power Save (**0**), ML-Mgmt. (**5**), ML-Constrained ops, (**9**), ML-Operation (**3**), Low-Latency (**3**), ML-Block Ack (**0**), ML-Architecture (**0**), ML-Med Access (**2**), MAC-Medium Access (**0**), MAC-Block Ack (**1**), MAC-Protection (**2**).

### PHY

* SIG (**0**), Preamble (0), MU-MIMO (**1**), Puncturing (**0**), Multi-RU (**0**), 4K-QAM (**0**), Channelization (**0**), General (**1)**.

## Proposed Draft Text List

* 0 submissions in the Joint queue
* 1 submissions in the MAC queue
* 1 submission in the PHY queue

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Type (# TBDs)** | **Session** |
|  |  |  |  |  | JOINT |
| End of Joint Queue | | | | | |
| [1722r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-00-00be-mac-pdt-nsep-tbds.docx) | PDT for TBDs | Subir Das | Presented | TBD (3) | MAC |
| End of MAC Queue | | | | | |
| [1726r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1726-00-00be-pdt-phy-ppdu-formats-for-clause-36-1-4.docx) | PPDU-Formats-for-clause-36.1.4 | Dongguk Lim | Done | PDT | PHY |
| [1791r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-01-00be-pdt-tbd-phy-modulation-accuracy.docx) | PHY Modulation Accuracy | Wook Bong Lee | Pending | TBD (17) | PHY |
| [1792r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1792-00-00be-pdt-tbd-phy-frequency-tolerance.docx) | PHY Frequency Tolerance | Wook Bong Lee | Pending | TBD | PHY |
| [1793r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1793-00-00be-pdt-tbd-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx) | PHY RX spec.: General and RX minimum input sensitivity and channel rejection | Wook Bong Lee | Pending | TBD (9) | PHY |
| [1796r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-00-00be-pdt-phy-cyclic-shift.docx) | PDT PHY Cyclic Shift | Wook Bong Lee | Pending | PDT | PHY |
| [1766r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-00-00be-pdt-cca-sensitivity.docx) | CCA sensitivity | Lin Yang | Pending | PDT | PHY |
| End of PHY Queue | | | | | |

## Location and Number of TBDs

* Clause 3: 1
* Clause 4: 0
* Clause 6: 0
* Clause 9: 33
* Clause 10: 0
* Clause 11: 0
* Clause 12: 6
* Clause 26: 0
* Clause 35: 55
* Clause 36: 680

## Teleconference Agendas

### 1st Conf. Call: November 02 (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

* + **Patent, Participation 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@quantenna.com](mailto:sschelstraete@quantenna.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: **Run SPs from Previous Topics** 
  + [~~828r0~~](https://mentor.ieee.org/802.11/dcn/20/11-20-0828-00-00be-ru-allocation-subfield-design-for-eht-trigger-frame.pptx) ~~RU Allocation Subfield Design for EHT Trigger Frame Myeongjin Kim [SPs]~~
  + [~~1672r0~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1672-00-00be-ul-beamforming-for-tb-ppdus.pptx) ~~UL Beamforming for TB PPDUs Shimi Shilo [SPs]~~
  + [~~1066r1~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1066-01-00be-4x-eht-ltf-sequence.pptx) ~~4x EHT-LTF Sequence Jinyoung Chun [SPs]~~
  + [1703r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1703-00-00be-backward-compatible-trigger-frame-ru-allocation-table.pptx) Trigger frame RU allocation Table Steve Shellhammer[SPs]
  + [1317r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1317-02-00be-sig-contents-discussion-for-eht-sounding-ndp.pptx) SIG contents discussion for EHT sounding NDP Ross Jian Yu [SPs]
  + [1375r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1375-03-00be-eht-nltf-design.pptx) EHT NLTF Design Rui Cao [SP6]
  + [1161r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1161-01-00be-eht-punctured-ndp-and-partial-bandwidth-feedback.pptx) EHT Punctured NDP and Partial Bandwidth feedback Bin Tian [SPs]
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [1726r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1726-00-00be-pdt-phy-ppdu-formats-for-clause-36-1-4.docx) PPDU-Formats-for-clause-36.1.4 Dongguk Lim
* Technical Submissions:
  + [1700r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1700-01-00be-dual-carrier-index-modulation.pptx) Dual-Carrier Index Modulation Ali Dogukan
* AoB:
* Recess

### 1st Conf. Call: November 02 (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

* + **Patent, Participation 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@lge.com](mailto:jeongki.kim@lge.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
  + [~~1122r3~~](https://mentor.ieee.org/802.11/dcn/20/11-20-1122-03-00be-802-11be-architecture-association-discussion.pptx) ~~802.11be Architecture/Association Discussion Joseph Levy [4 SPs]~~
  + [992r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0992-04-00be-mlo-optional-mandatory.pptx) MLO optional mandatory Laurent Cariou [SP 2]
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [1722r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-00-00be-mac-pdt-nsep-tbds.docx) PDT for TBDs Subir Das
* Technical Submissions: **MAC General [10 mins if SP only, 30 mins otherwise]**
  + [1312r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1312-00-00be-triggered-su-ppdu-for-11ber1.pptx) Triggered SU PPDU for 11be R1 Dibakar Das
* Technical Submissions: **ML-Constrained ops [10 mins if SP only, 30 mins otherwise]**
  + [1730r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1730-01-00be-ul-sync-channel-access-procedure.pptx) UL Sync Channel Access Procedure Yongho Seok et. al. [1 SP]

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* + [968r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0968-00-00be-multi-link-rts-cts-operations-with-non-str-sta-mld.pptx) Multi-link RTS-CTS operations with non-STR STA MLD Ronny Y. Kim
  + [527r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0527-01-00be-multi-link-constraint-signaling.pptx) Multi-link Constraint Signaling Yongho Seok
  + ~~1056r0 Peer to Peer ESR STA MLD and ESR AP MLD Liwen Chu\*~~
  + [1062r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1062-00-00be-error-recovery-for-non-str-mld.pptx) Error recovery for non-STR MLD Yunbo Li
  + [1085r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1085-01-00be-str-capability-signaling.pptx) STR-Capability-Signaling Dibakar Das
  + [1263r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1263-00-00be-non-str-blindness-rules-discussion.pptx) Non-STR Blindness Rules Discussion Sharan Naribole
  + ~~1365r0 Further Discussion about Blindness for non-STR MLD Yunbo Li~~
* Technical Submissions: **ML-Operation [10 mins if SP only, 30 mins otherwise]**
  + ~~1545r0 MLD security considerations Gaurav Patwardhan\*~~
  + ~~902r0 Group addressed frames delivery for MLO follow up Ming Gan\*~~
  + ~~1692r0 TDLS handling in MLO Abhishek Patil\*~~
* Technical Submissions: **Low Latency [10 mins if SP only, 30 mins otherwise]**
  + ~~1457r0 Multi-link Contention-based Admission Control Yongho Seok\*~~
  + [1670r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1670-00-00be-low-latency-resource-agreements.pptx) Low-latency-resource-agreements Jonas Sedin
  + ~~1693r0 TSPEC-lite Duncan Ho\*~~
* Technical Submissions: **ML-Med Access [10 mins if SP only, 30 mins otherwise]**
  + [1156r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1156-00-00be-contention-window-value-management-for-str-mld.pptx) Contention Window Value Management for STR MLD Sanghyun Kim
  + ~~1476r0 Considerations on the Recovery Proc. in Synchronous ML Op. Hanseul Hong\*~~
* Technical Submissions: **MAC-Block Ack [10 mins if SP only, 30 mins otherwise]**
  + [362r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0362-01-00be-proposals-on-ampdu-ba-mechanisms.pptx) Proposals on AMPDU-BA mechanisms Sindhu Verma
* Technical Submissions: **MAC-Protection [10 mins if SP only, 30 mins otherwise]**
  + ~~1388r0 Bandwidth indication of > 160MHz for RTS and CTS Yunbo Li\*~~
  + ~~1459r0 EHT MU-RTS and CTS frame exchange Yongho Seok\*~~

*\* Note: Need to be uploaded to Mentor website 7 days prior to the conf call*

* AoB:
* Recess

### 2rd Conf. Call: November 04 (09:00–11:00 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

* + **Patent, Participation 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: None.
* Technical Submissions**-Sounding**
  + [1436r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1436-04-00be-ndpa-and-mimo-control-field-design-for-eht.pptx) NDPA and MIMO Control Field Design for EHT Sameer Vermani
  + ~~1469r0 EHT sounding discussion Liwen Chu\*~~
  + [1643r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1643-01-00be-implicit-sounding-performance.pptx) Implicit Sounding Performance Oren Kedem
  + Deferred SPs on Sounding (could move after motions item)
    - *None.*
* **Motions (concentrated within the second 60 mins of the call)**

* + [841r34](https://mentor.ieee.org/802.11/dcn/20/11-20-0841-34-00be-tgbe-motions-list-for-teleconferences.pptx) Motions list for teleconferences
* Technical Submissions**-Sounding**
  + [1436r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1436-04-00be-ndpa-and-mimo-control-field-design-for-eht.pptx) NDPA and MIMO Control Field Design for EHT Sameer Vermani [SPs]

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* + [1643r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1643-01-00be-implicit-sounding-performance.pptx) Implicit Sounding Performance Oren Kedem [Q&A/ SP]
* Technical Submissions**-Trigger**
  + [1669r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1669-02-00be-spatial-stream-allocation-in-trigger-frames.pptx) Spatial-stream-allocation-in-trigger-frames Mengshi Hu
  + [1685r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1685-00-00be-ul-length-indication-in-trigger-frame.pptx) UL length indication in trigger frame Ross Jian Yu
  + Deferred SPs on Trigger
    - *Pending Requests*

*\* Note: Need to be uploaded to Mentor website 7 days prior to the conf call*

* AoB: None.
* Recess

### 3rd Conf. Call: November 05 (09:00–11:00 ET)–PHY

* **Cancelled**

### 3rd Conf. Call: November 05 (09:00–11:00 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 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@lge.com](mailto:jeongki.kim@lge.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
  + [992r5](https://mentor.ieee.org/802.11/dcn/20/11-20-0992-05-00be-mlo-optional-mandatory.pptx) MLO optional mandatory Laurent Cariou [6 SPs]
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + *Pending Requests.*
* Technical Submissions: **ML-Constrained ops [10 mins if SP only, 30 mins otherwise]**
  + [1730r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1730-01-00be-ul-sync-channel-access-procedure.pptx) UL Sync Channel Access Procedure Yongho Seok et. al. [1 SP]
  + [968r0](https://mentor.ieee.org/802.11/dcn/20/11-20-0968-00-00be-multi-link-rts-cts-operations-with-non-str-sta-mld.pptx) Multi-link RTS-CTS operations with non-STR STA MLD Ronny Y. Kim
  + [~~527r1~~](https://mentor.ieee.org/802.11/dcn/20/11-20-0527-01-00be-multi-link-constraint-signaling.pptx) ~~Multi-link Constraint Signaling Yongho Seok~~
  + ~~1056r0 Peer to Peer ESR STA MLD and ESR AP MLD Liwen Chu\*~~
  + [1062r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1062-00-00be-error-recovery-for-non-str-mld.pptx) Error recovery for non-STR MLD Yunbo Li

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* + [1085r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1085-01-00be-str-capability-signaling.pptx) STR-Capability-Signaling Dibakar Das
  + [1263r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1263-00-00be-non-str-blindness-rules-discussion.pptx) Non-STR Blindness Rules Discussion Sharan Naribole
  + ~~1365r0 Further Discussion about Blindness for non-STR MLD Yunbo Li~~
* Technical Submissions: **ML-Operation [10 mins if SP only, 30 mins otherwise]**
  + ~~1545r0 MLD security considerations Gaurav Patwardhan\*~~
  + ~~902r0 Group addressed frames delivery for MLO follow up Ming Gan\*~~
  + ~~1692r0 TDLS handling in MLO Abhishek Patil\*~~
* Technical Submissions: **Low Latency [10 mins if SP only, 30 mins otherwise]**
  + ~~1457r0 Multi-link Contention-based Admission Control Yongho Seok\*~~
  + [1670r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1670-00-00be-low-latency-resource-agreements.pptx) Low-latency-resource-agreements Jonas Sedin
  + ~~1693r0 TSPEC-lite Duncan Ho\*~~
* Technical Submissions: **ML-Med Access [10 mins if SP only, 30 mins otherwise]**
  + [1156r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1156-00-00be-contention-window-value-management-for-str-mld.pptx) Contention Window Value Management for STR MLD Sanghyun Kim
  + ~~1476r0 Considerations on the Recovery Proc. in Synchronous ML Op. Hanseul Hong\*~~
* Technical Submissions: **MAC-Block Ack [10 mins if SP only, 30 mins otherwise]**
  + [362r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0362-01-00be-proposals-on-ampdu-ba-mechanisms.pptx) Proposals on AMPDU-BA mechanisms Sindhu Verma
* Technical Submissions: **MAC-Protection [10 mins if SP only, 30 mins otherwise]**
  + ~~1388r0 Bandwidth indication of > 160MHz for RTS and CTS Yunbo Li\*~~
  + ~~1459r0 EHT MU-RTS and CTS frame exchange Yongho Seok\*~~

*\* Note: Need to be uploaded to Mentor website 7 days prior to the conf call*

* AoB:
* Adjourn

### 4th Conf. Call: November 09 (09:00–11:00 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

* + **Patent, Participation 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**-Sounding**
  + [1643r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1643-01-00be-implicit-sounding-performance.pptx) Implicit Sounding Performance Oren Kedem [Q&A+SP]
* Technical Submissions**-Trigger** (one or more submissions could move after motions)
  + [1669r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1669-02-00be-spatial-stream-allocation-in-trigger-frames.pptx) Spatial-stream-allocation-in-trigger-frames Mengshi Hu
  + [1685r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1685-00-00be-ul-length-indication-in-trigger-frame.pptx) UL length indication in trigger frame Ross Jian Yu
  + Deferred SPs on Trigger
    - *Pending Requests*
* **Motions (concentrated within the second 60 mins of the call)**
  + [841r36](https://mentor.ieee.org/802.11/dcn/20/11-20-0841-36-00be-tgbe-motions-list-for-teleconferences.pptx) Motions list for teleconferences
* AoB:
* Adjourn

### 5th Conf. Call: November 11 (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

* + **Patent, Participation 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:
* AoB:
* Adjourn

### 6th Conf. Call: November 12 (10:00–12:00 ET)–PHY

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

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

* + **Patent, Participation 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@quantenna.com](mailto:sschelstraete@quantenna.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: **Run SPs from Previous Topics [nominally 10 mins total]**
  + *Pending Requests*
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [1791r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1791-01-00be-pdt-tbd-phy-modulation-accuracy.docx) PHY Modulation Accuracy Wook Bong Lee
  + [1792r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1792-00-00be-pdt-tbd-phy-frequency-tolerance.docx) PHY Frequency Tolerance Wook Bong Lee
  + [1793r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1793-00-00be-pdt-tbd-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx) General and RX min. input sensitivity and channel rejection Wook Bong Lee
  + [1796r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1796-00-00be-pdt-phy-cyclic-shift.docx) PDT PHY Cyclic Shift Wook Bong Lee
  + [1766r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1766-00-00be-pdt-cca-sensitivity.docx) CCA sensitivity Lin Yang
* Technical Submissions:
  + *Pending Requests*
* AoB:
* Adjourn

### 6th Conf. Call: November 12 (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

* + **Patent, Participation 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@lge.com](mailto:jeongki.kim@lge.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
  + [992r6](https://mentor.ieee.org/802.11/dcn/20/11-20-0992-06-00be-mlo-optional-mandatory.pptx) MLO optional mandatory Laurent Cariou [1 SP]
  + [1140r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1140-03-00be-ecsa-for-multi-link-operation.pptx) eCSA for multi link operation Laurent Cariou [6 SP]
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + *Pending Requests.*
* Technical Submissions: **ML-Constrained ops [10 mins if SP only, 30 mins otherwise]**
  + [1062r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1062-00-00be-error-recovery-for-non-str-mld.pptx) Error recovery for non-STR MLD Yunbo Li [SP]
  + [1085r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1085-01-00be-str-capability-signaling.pptx) STR-Capability-Signaling Dibakar Das
  + [1263r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1263-00-00be-non-str-blindness-rules-discussion.pptx) Non-STR Blindness Rules Discussion Sharan Naribole
  + [1365r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1365-00-00be-further-discussion-about-blindness-for-non-str-mld.pptx) Further Discussion about Blindness for non-STR MLD Yunbo Li
* Technical Submissions: **ML-Operation [10 mins if SP only, 30 mins otherwise]**
  + ~~1545r0 MLD security considerations Gaurav Patwardhan\*~~
  + ~~902r0 Group addressed frames delivery for MLO follow up Ming Gan\*~~
  + ~~1692r0 TDLS handling in MLO Abhishek Patil\*~~
* Technical Submissions: **Low Latency [10 mins if SP only, 30 mins otherwise]**
  + ~~1457r0 Multi-link Contention-based Admission Control Yongho Seok\*~~
  + [1670r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1670-00-00be-low-latency-resource-agreements.pptx) Low-latency-resource-agreements Jonas Sedin
  + ~~1693r0 TSPEC-lite Duncan Ho\*~~
* Technical Submissions: **ML-Med Access [10 mins if SP only, 30 mins otherwise]**
  + [1156r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1156-00-00be-contention-window-value-management-for-str-mld.pptx) Contention Window Value Management for STR MLD Sanghyun Kim
  + ~~1476r0 Considerations on the Recovery Proc. in Synchronous ML Op. Hanseul Hong\*~~
* Technical Submissions: **MAC-Block Ack [10 mins if SP only, 30 mins otherwise]**
  + [362r1](https://mentor.ieee.org/802.11/dcn/20/11-20-0362-01-00be-proposals-on-ampdu-ba-mechanisms.pptx) Proposals on AMPDU-BA mechanisms Sindhu Verma
* Technical Submissions: **MAC-Protection [10 mins if SP only, 30 mins otherwise]**
  + ~~1388r0 Bandwidth indication of > 160MHz for RTS and CTS Yunbo Li\*~~
  + ~~1459r0 EHT MU-RTS and CTS frame exchange Yongho Seok\*~~

*\* Note: Need to be uploaded to Mentor website 7 days prior to the conf call*

* AoB:
* Adjourn

### 7th Conf. Call: November 16 (10:00–12:00 ET)–PHY

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

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

* + **Patent, Participation 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@quantenna.com](mailto:sschelstraete@quantenna.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:
* AoB:
* Adjourn

### 7th Conf. Call: November 16 (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

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* + **Patent, Participation 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@lge.com](mailto:jeongki.kim@lge.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions:
* AoB:
* Adjourn

### 8th Conf. Call: November 18 (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

* + **Patent, Participation 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:
* AoB:
* Adjourn

### 9th Conf. Call: November 12 (19:00–22:00 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

* + **Patent, Participation 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@quantenna.com](mailto:sschelstraete@quantenna.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:
* AoB:
* Adjourn

### 9th Conf. Call: November 19 (19:00–22:00 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

* + **Patent, Participation 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@lge.com](mailto:jeongki.kim@lge.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions:
* AoB:
* Adjourn

## TGbe Guidelines document

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

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

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Teleconferences 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>