IEEE P802.11  
Wireless LANs

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| TGbe January 2021 to March 2021 teleconference agendas | | | | | |
| Date: 2020-12-01 | | | | | |
| Author(s): | | | | | |
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Abstract

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

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-2: Contains proposed telco plan between January and March.
* Rev 3: Adds missing calls for 25, 27, and 28 January.
* Rev 4: Amendmends to separate conference calls for interim and teleconferences.
* Rev 5-7: Updated with new submissions requests and progress during the electronic interim.
* Rev 8-10: Added agendas for 5th and 6th conf calls, including new submissions requests.

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| --- | --- |
| **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 **23** teleconferences up to March 13th for discussing technical presentations:

## Teleconferences Plan for January to March

* **Jan 11 Monday – MAC/PHY 19:00-21:00 ET**
* **Jan 13 Wednesday – MAC/PHY 09:00-11:00 ET**
* **Jan 14 Thursday – Joint (Motions) 09:00-11:00 ET**
* **Jan 18 Monday – MAC/PHY 19:00-22:00 ET**
* **Jan 20 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Jan 21 Thursday – MAC/PHY 10:00-12:00 ET**
* **Jan 25 Monday – MAC/PHY 10:00-12:00 ET**
* **Jan 27 Wednesday – Joint 10:00-12:00 ET**
* **Jan 28 Thursday – MAC/PHY 19:00-22:00 ET**
* **Feb 01 Monday – MAC/PHY 19:00-22:00 ET**
* **Feb 03 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Feb 04 Thursday – MAC/PHY 10:00-12:00 ET**
* **Feb 08 Monday – MAC/PHY 10:00-12:00 ET**
* **Feb 10 Wednesday – Joint 10:00-12:00 ET**
* **Feb 11 Thursday – No Conf Call Holiday**
* **Feb 15 Monday – No Conf Call Holiday**
* **Feb 17 Wednesday – No Conf Call Holiday**
* **Feb 22 Monday – MAC/PHY 10:00-12:00 ET**
* **Feb 24 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Feb 25 Thursday – MAC/PHY 19:00-22:00 ET**
* **Mar 01 Monday – MAC/PHY 19:00-22:00 ET**
* **Mar 03 Wednesday – Joint 10:00-12:00 ET**
* **Mar 04 Thursday – MAC/PHY 10:00-12:00 ET**
* **Mar 08 Monday – MAC/PHY 10:00-12:00 ET**
* **Mar 10 Wednesday – Joint (Motions) 10:00-12:00 ET**
* **Mar 11 Thursday – MAC/PHY 19:00-22:00 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

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| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [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~~ |
| [508r](https://mentor.ieee.org/802.11/dcn/20/11-20-0508-03-00be-mlo-reachability-problem.pptx)3 | ~~MLO: Reachability Problem~~ | ~~Abhishek Patil~~ | ~~1 SP~~  ~~(deferred)~~ | ~~ML-Mgmt~~ | ~~MAC~~ |
| [1009r8](https://mentor.ieee.org/802.11/dcn/20/11-20-1009-08-00be-multi-link-hidden-terminal-followup.pptx) | Multi-link hidden terminal-followup | Dibakar Das | Done | ML-Constrained ops | MAC |
| [1350r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1350-06-00be-enhancements-for-qos-and-low-latency-in-802-11be-r1.pptx) | Enhancements for QoS and low latency in 802.11be R1 | Dibakar Das | Done | Low Latency | MAC |
| [~~442r3~~](https://mentor.ieee.org/802.11/dcn/20/11-20-0442-03-00be-mla-group-addressed-frames-delivery.pptx) | ~~MLA: Group addressed frames delivery~~ | ~~Duncan Ho~~ | ~~2 SPs~~  ~~(deferred)~~ | ~~ML-General~~ | ~~MAC~~ |
| [~~903r~~](https://mentor.ieee.org/802.11/dcn/20/11-20-0903-09-00be-multi-link-group-addressed-data-frame-delivery-follow-up.pptx)~~9~~ | ~~Multi-link Group Addressed Data Frame Delivery Follow up~~ | ~~Po-Kai Huang~~ | ~~2 SPs~~  ~~(deferred)~~ | ~~ML-General~~ | ~~MAC~~ |
| [1140r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1140-07-00be-ecsa-for-multi-link-operation.pptx) | eCSA for multi link operation | Laurent Cariou | 2 SPs | ML-Mgmt | MAC |
| [689r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0689-03-00be-single-sta-trigger.pptx) | Single STA Trigger | Young Hoon Kwon | 1 SP | ML-Constrained ops | MAC |
| [1693r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1693-01-00be-tspec-lite.pptx) | TSPEC-lite | Duncan Ho | 2 SPs | Low Latency | MAC |
| [902r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0902-04-00be-group-addressed-frames-delivery-for-mlo-follow-up.pptx) | Group addressed frames delivery for MLO follow up | Ming Gan | 2 SPs | ML-General | MAC |
| [613r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0613-04-00be-ap-assisted-non-str-behavior.pptx) | AP assisted Non-STR behavior | Ming Gan | 1 SP | ML-Constrained ops | MAC |
| [1009r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1009-09-00be-multi-link-hidden-terminal-followup.pptx) | Multi-link hidden terminal-followup | Dibakar Das | 1 SP | ML-Constrained ops | MAC |
|  | | | | | |
| [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~~ |

## Back-Logged Technical Presentations’ List

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

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| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [1247r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1247-01-00be-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~~ | ~~Deferred~~ | ~~MAP-General~~ | ~~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~~ | ~~Deferred~~ | ~~MAP-SR~~ | ~~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 | Presented | ML-Mgmt.- | 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~~ | ~~Deferred~~ | ~~ML-General-~~ | ~~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~~ |
| [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~~ |
| [1540r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1540-00-00be-proposals-for-an-nstr-soft-ap.pptx) | ~~Proposals for an NSTR soft AP~~ | ~~Shubhodeep Adhikari~~ | ~~Deferred~~ | ~~ML-General-~~ | ~~MAC~~ |
| [1554r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1554-00-00be-ml-reconfiguration.pptx) | ML reconfiguration | Payam Torab | Presented | 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 |
| [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 |
| [1670r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1670-01-00be-low-latency-resource-agreements.pptx) | Low-latency-resource-agreements | Jonas Sedin | Pending | Low Latency | MAC |
| [1124r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1124-00-00be-ml-element-design.pptx) | ML element design | Ming Gan | Pending | ML-Mgmt. | MAC |
| [1737r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1737-01-00be-solicited-method-for-critical-update-in-multi-link.pptx) | Solicited method for critical update in multi-link | Namyeong Kim | Pending | ML Mgmt. | MAC |
| [1738r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1738-00-00be-signaling-of-beacon-interval-for-ap-mld.pptx) | Signaling of Beacon Interval for AP MLD | Insun Jang | Pending | ML Mgmt. | MAC |
| [1691r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1691-00-00be-txop-rules-to-reduce-worst-case-latency.pptx) | TXOP rules to reduce worst-case latency | Thomas Handte | Pending | Low Latency | MAC |
| [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 |
| [1841r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1841-01-00be-performance-study-of-mlo-tid-mapping-configurations.pptx) | Performance Study of MLO TID Mapping Configurations | Morteza Mehrnoush | Pending | ML Mgmt. | MAC |
| [1852r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1852-00-00be-discussion-on-low-latency-traffic.pptx) | Discussion on low latency traffic | Boyce Bo Yang | Pending | Low Latency | MAC |
| 1856r0 | TWT for Low Latency Traffic | Muhammad Kumail Haider | Pending | Low Latency | MAC |
| 1858r0 | Channel access rules for NSTR AP MLD | Hanseul Hong | Pending | ML General | MAC |
| [1108r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1108-00-00be-mlo-probe-mechanism.pptx) | MLO-Probe-Mechanism | Ming Gan | Pending | ML Mgmt. | MAC |
| [1680r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1680-00-00be-twt-for-mld.pptx) | TWT-for-MLD | Ming Gan | Pending | ML General | MAC |
| 1860r0 | MLO TID-to-link mapping: Operation | Payam Torab | Pending | ML-Mgmt. | MAC |
| [1862r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1862-00-00be-complete-bss-update-report-indication.pptx) | Complete BSS Update Report Indication | Pooya Monajemi | Pending | MAC General | MAC |
| [1538r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1583-01-00be-mu-rts-to-sst-stas.pptx) | MU-RTS to SST STAs | Jarkko Kneckt | Pending | MAC General | MAC |
| [1889r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1889-00-00be-mla-clarifications-for-emlsr.pptx) | MLA: Clarifications for eMLSR | Duncan Ho | Pending | ML Power Save | MAC |
| [1890r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1890-00-00be-reconsideration-on-sta-mac-address-of-non-ap-mld.pptx) | Reconsideration on STA MAC Address of Non-AP MLD | Guogang Huang | Pending | ML Operation | MAC |
| [1892r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1892-00-00be-estimation-of-link-reachability.pptx) | Estimation of link reachability | Guogang Huang | Pending | ML Operation | MAC |
| [1897r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1897-00-00be-obss-edca-parameter-sets-for-rta.pptx) | OBSS EDCA Parameter Sets for RTA | Evgeny Khorov | Pending | Low Latency | MAC |
| [1902r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1902-00-00be-uora-enhancements-to-address-rta.pptx) | UORA Enhancements to address RTA | Oren Kedem | Pending | Low Latency | MAC |
| [1843r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1843-01-00be-low-latency-triggered-twt.pptx) | Low-Latency Triggered TWT | Patrice NEZOU | Pending | Low Latency | MAC |
| 1929r0 | Protection of QoS periods | Gaurav Patwardhan | Pending | MAC-Protection | MAC |
| [1938r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1938-00-00be-tb-su-ppdu-and-tb-p2p-ppdu-consideration.pptx) | TB SU PPDU and TB P2P PPDU Consideration | Jay Yang | Pending | MAC-General | MAC |
| 1871r0 | BSS parameter critical update follow up | Ming Gan | Pending | ML-General | MAC |
| [1903r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1903-00-00be-random-access-for-11be.pptx) | Random Access for 11be | Pascal Viger | Pending | MAC-General | MAC |
| 0036r0 | Clarification on BSS parameter update | Jeongki Kim | Pending | ML-General | MAC |
| 0041r0 | Group addressed frame delivery methods for MLO | Qi Wang | Pending | ML-General | 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~~ |
| [0015r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0015-00-00be-clarification-of-80-mhz-operation-in-wider-bw-ofdma.pptx) | Clarification of 80 MHz operation in wider-BW OFDMA | Sigurd Schelstraete | Presented | General | PHY |
| [1886r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1886-01-00be-ru-adaptation-in-tb-ul-mu-transmission.pptx) | RU Adaptation in TB UL MU Transmission | Yanyi Ding | Presented | General | PHY |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| End of PHY Queue | | | | | |

## New Technical Presentations’ List

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

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| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [0043r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0043-00-00be-eht-ltf-related-signaling-in-enhanced-trigger-frame.pptx) | EHT-LTF related signaling in enhanced trigger frame | Lei Huang | Presented | Trigger | Joint |
| [0057r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0057-00-00be-discussion-on-special-user-info-field-of-trigger-frame.pptx) | Discussion on special user info field of trigger frame | Lei Huang | Presented | Trigger | Joint |
| [0095r0](https://urldefense.proofpoint.com/v2/url?u=https-3A__mentor.ieee.org_802.11_dcn_21_11-2D21-2D0095-2D00-2D00be-2Dphy-2Drelated-2Dagreements-2Dfor-2Dsst.pptx&d=DwMGaQ&c=MHZppzMdXMt3JYjCV71UsQ&r=rIQVY3rRDeBaTVQe5fEqgkI7yJaYyhns6XzB-BGfinE&m=Uug1AKkX4J4jX08AfmMfzAIS_YwsPwl5d5ANrvomiGE&s=XcHY6Fj3IM_p4ybXSG58W1GRK02ra397KaK3umBkZns&e=) | PHY-related agreements for SST | Sigurd Schelstraete | Presented | General | Joint |
| Requests Received after the Electronic Interim of January | | | | | |
|  |  |  |  |  | Joint |
| End of Joint Queue | | | | | |
| [0060r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0060-00-00be-frame-format-of-modified-mu-rts-for-su-ppdu.pptx) | Frame format of Modified MU-RTS for SU PPDU | Yunbo Li | Pending | MAC-General | MAC |
| 0061r0 | Procedure of Modified MU-RTS for SU PPDU | Yunbo Li | Pending | MAC-General | MAC |
| [0062r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0062-00-00be-error-recovery-for-nstr-mld-follow-up.pptx) | Error Recovery for NSTR MLD-Follow up | Yunbo Li | Pending | ML-Constr. ops | MAC |
| 0091r0 | Further Considerations of Restricted TWT SP | SunHee Baek | Pending | Low Latency | MAC |
| Requests Received after the Electronic Interim of January | | | | | |
| [125r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0125-00-00be-radio-measurement-procedures-for-multi-link-devices.pptx) | Radio Measurement procedures for Multi-link devices | Jonas Sedin | Pending | ML Mgmt. | MAC |
| [1217r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1217-05-00be-rts-trigger-su-ppdu.pptx) | RTS-Trigger-SU-PPDU | Matthew Fischer | Pending | ML-Constr. ops | MAC |
| End of MAC Queue | | | | | |
| [0065r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0065-00-00be-spatial-reuse-fields-in-eht-preamble.pptx) | Spatial Reuse Fields in EHT Preamble | Alice Chen | Presented | Preamble | PHY |
| [0012r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0012-00-00be-considerations-on-open-issues-phy-requirements.pptx) | Considerations on Open Issues PHY requirements | Wook Bong Lee | Presented | General | PHY |
| [0089r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0089-00-00be-eht-ppe-thresholds-field-follow-up.pptx) | EHT PPE Thresholds Field Follow-up | Mengshi Hu | Pending | General | PHY |
| [102r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0102-00-00be-considerations-on-capabilities-and-operation-mode-mu-mimo.pptx) | Considerations on Capabilities and Operation Mode: MU-MIMO | Wook Bong Lee | Pending | MU MIMO | PHY |
| [129r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0129-00-00be-phase-rotation-for-320-mhz-non-ht-duplicate-transmission-and-pre-eht-modulated-fields.pptx) | Phase Rotation for 320 MHz Non-HT Duplicate Transmission and Pre-EHT modulated Fields | Chenchen LIU | Pending | PPDU | PHY |
| [130r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0130-00-00be-papr-comparison-for-two-320mhz-phase-rotation-sequences.pptx) | PAPR Comparison for Two 320MHz Phase Rotation Sequences | Eunsung Park | Pending | PPDU | PHY |
| End of PHY Queue | | | | | |

## Order of Topics

### Joint

* **Determined on the Fly.**

### MAC

* ML-Mgmt. (**9**), ML-Constrained ops, (**1**), ML-Operation (**2**), Low-Latency (**7+1**), ML-Block Ack (**0**), ML-Architecture (**0**), ML-Med Access (**0**), MAC-Medium Access (**0**), MAC-Block Ack (**1**), MAC-Protection (**1**), ML-General (**5**), MAC-General (**4+2)**, ML-Power Save (**1**).

### PHY

* **Determined on the Fly.**

## Proposed Draft Text List

* 1 submissions in the Joint queue
* 11 submissions in the MAC queue
* 5 submission in the PHY queue

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Type (# TBDs)** | **Session** |
| [0011r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-00-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx) | Spatial Stream and MIMO Protocol Enhancement Part 2 | Wook Bong Lee | Presented | PDT | Joint |
| End of Joint Queue | | | | | |
| [*1722r*](https://mentor.ieee.org/802.11/dcn/20/11-20-1722-04-00be-mac-pdt-nsep-tbds.docx)*4* | *PDT for TBDs* | *Subir Das* | *Approved* | *TBD (3)* | *MAC* |
| [1957r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1957-01-00be-proposed-spec-text-for-eht-mac-and-mlo-intros.docx) | Proposed Spec Text for EHT MAC and MLO Intros | Carol Ansley | *Approved* | PDT | MAC |
| [1727r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-01-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx) | pdt-mac-mlo-6-3-x nsep-priority-access | Zhiqiang Han | Presented | PDT | MAC |
| [0034r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-01-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx) | pdt-mac-quality-of-service-for-latency-sensitive-traffic | Chunyu Hu | Presented | PDT | MAC |
| [0073r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0073-02-00be-pdt-mac-mlo-csa-ecsa-quiet-element.docx) | PDT-MAC-MLO-CSA eCSA quiet element | Laurent Cariou | *Approved* | PDT | MAC |
| [0077r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0077-00-00be-mac-pdt-wideband-bw-signaling-tbds.docx) | MAC-PDT-WideBand BW Signaling TBDs | Yunbo Li | Presented | TBDs (4) | MAC |
| [0080r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0080-00-00be-twt-for-mld.docx) | pdt-mlo-TWT-for-MLD | Ming Gan | Presented | PDT | MAC |
| [0081r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0081-00-00be-mlo-group-addressed-frame.docx) | pdt-mlo-group addressed frame | Ming Gan | Pending | PDT | MAC |
| [0082r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0082-00-00be-pdt-mac-mlo-power-save-listen-interval.docx) | pdt-mac-mlo-power save listen interval | Ming Gan | Pending | PDT | MAC |
| [1965r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1965-00-00be-pdt-mac-mlo-mandatory-optional.docx) | PDT-MAC-MLO-mandatory-optional | Laurent Cariou | Pending | PDT | MAC |
| [0076r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0076-00-00be-pdt-tbd-mac-mlo-multi-link-setup-usage-and-rules-of-ml-ie.docx) | MLO-multi-link-setup-usage-and-rules-of-ml-ie | Insun Jang | Pending | PDT | MAC |
| [0056r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0056-01-00be-mac-pdt-motion-146-sps-336-337.docx) | Critical Updates (MBSSID case) | Abhishek Patil | Pending | PDT | MAC |
| [0055r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0055-00-00be-mac-pdt-motion-137-sp-244.docx) | MLO Power-save (WNM Sleep) | Abhishek Patil | Pending | PDT | MAC |
| [1915r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1915-01-00be-pdt-mac-spec-text-for-motions-on-power-save-procedure.docx) | MLO Power-save (listen interval) | Abhishek Patil | Pending | PDT | MAC |
| [1667r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1667-01-00be-pdt-mac-mlo-discovery-information-request.docx) | MLO-Discovery-Information-Request | Namyeong Kim | Pending | PDT | MAC |
| [0034r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-03-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx) | Quality of service for latency sensitive traffic | Chunyu Hu | Pending | PDT | MAC |
| [113r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0113-00-00be-pdt-fix-the-tbds-in-association-and-reassociation-primitives.docx) | Fix the TBDs in Association and Reassociation primitives | Zhiqiang Han | Pending | TBD (7) | MAC |
| End of MAC Queue | | | | | |
| [*0002r2*](https://mentor.ieee.org/802.11/dcn/21/11-21-0002-02-00be-pdt-phy-eht-preamble-l-stf-l-ltf-l-sig-and-rl-sig-update.docx) | *PDT-PHY-EHT-Preamble-L-STF,L-LTF, L-SIG, and RL-SIG-Update* | *Dongguk Lim* | *Approved* | *TBD (7)* | *PHY* |
| [1958r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1958-01-00be-pdt-phy-phase-noise-per-160mhz.docx) | PDT-PHY-Phase-Noise-Per-160MHz | Brian Hart | Revisit | TBD (2) | PHY |
| [1963r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1963-01-00be-resolve-some-phy-tbds-in-d0-2.docx) | Resolve some PHY TBDs in D0.2 | Bin Tian | *Approved* | TBD (5) | PHY |
| [1340r6](https://mentor.ieee.org/802.11/dcn/20/11-20-1340-06-00be-pdt-phy-packet-extension.docx) | PDT-PHY-Packet Extension | Yan Zhang | *Approved* | TBD (16) | PHY |
| [1837r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1837-05-00be-pdt-phy-rx-procedure.docx) | pdt-phy-rx-procedure | Xiaogang Chen | *Approved* | PDT | PHY |
| [1480r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1480-03-00be-pdt-phy-s-flatness.docx) | Spectrum\_Flatness | Xiaogang Chen | *Approved* | PDT | PHY |
| [0049r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0049-01-00be-pdt-phy-update-to-preamble-u-sig-for-d0-3.docx) | PDT PHY Update to Preamble U-SIG for D0.3 | Sameer Vermani | *Approved* | PDT | PHY |
| [1826r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1826-07-00be-pdt-joint-spatial-stream-and-mimo-protocol.docx) | PDT Joint Spatial Stream and MIMO Protocol | Wook Bong Lee | *Approved* | PDT | PHY |
| [0010r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0010-01-00be-pdt-phy-preamble-puncture-update.docx) | PDT-PHY: Preamble Puncture Update | Oded Redlich | *Approved* | TBD (4) | PHY |
| [0014r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0014-01-00be-proposed-draft-text-pdt-phy-modulation-accuracy.docx) | Modulation Accuracy | Wook Bong Lee | *Approved* | PDT | PHY |
| [0013r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0013-02-00be-proposed-draft-text-pdt-phy-receive-specification-general-and-receiver-minimum-input-sensitivity-and-channel-rejection.docx) | Receive specification: General and receiver minimum input sensitivity and channel rejection | Wook Bong Lee | *Approved* | PDT | PHY |
| [104r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0104-00-00be-subcarriers-and-resource-allocation-for-multiple-rus-update.docx) | PDT Subcarriers and Resource Allocation for Multiple RUs Update | Jianhan Liu | Pending | PDT | PHY |
| [114r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0114-00-00be-pdt-updates-on-ltf.docx) | PDT updates on LTF | Chenchen Liu | Pending | PDT | PHY |
| End of PHY Queue | | | | | |
| Q4M: Queued for Motion; *Approved*: Included in the TGbe Draft. | | | | | |

## Location and Number of TBDs

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **D0.1** | **D0.2** | **D0.3** | **D0.4** | **D1.0** |
| **Clause 3** | 1 | 1 | 1 |  |  |
| **Clause 4** | 0 | 0 | 0 |  |  |
| **Clause 6** | 0 | 8 | 8 |  |  |
| **Clause 9** | 33 | 36 | 72 |  |  |
| **Clause 10** | 0 | 0 | 0 |  |  |
| **Clause 11** | 0 | 0 | 0 |  |  |
| **Clause 12** | 6 | 6 | 6 |  |  |
| **Clause 26** | 0 | 0 | 0 |  |  |
| **Clause 35** | 55 | 45 | 46 |  |  |
| **Clause 36** | 680 | 456 | 206 |  |  |

## Teleconference Agendas

### 1st Conf. Call: January 11 (19:00–21:00 ET)–PHY

* See [1983r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1983-05-00be-tgbe-january-2021-meeting-agenda.pptx)

### 1st Conf. Call: January 11 (19:00–21:00 ET)–MAC

* See [1983r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1983-05-00be-tgbe-january-2021-meeting-agenda.pptx)

### 2nd Conf. Call: January 13 (09:00–11:00 ET)–PHY

* See [1983r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1983-05-00be-tgbe-january-2021-meeting-agenda.pptx)

### 2nd Conf. Call: January 13 (09:00–11:00 ET)–MAC

* See [1983r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1983-05-00be-tgbe-january-2021-meeting-agenda.pptx)

### 3rd Conf. Call: January 14 (09:00–11:00 ET)–JOINT

* See [1983r5](https://mentor.ieee.org/802.11/dcn/20/11-20-1983-05-00be-tgbe-january-2021-meeting-agenda.pptx)

### 4th Conf. Call: January 18 (19:00–22:00 ET)–PHY

* CANCELLED

### 4th Conf. Call: January 18 (19:00–22:00 ET)–MAC

* CANCELLED

### 5th Conf. Call: January 20 (10:00–12:00 ET)–JOINT

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Dennis Sundman ([dennis.sundman@ericsson.com](mailto:dennis.sundman@ericsson.com)) and Alfred Asterjadhi ([aasterja@qti.qualcomm.com](mailto:aasterja@qti.qualcomm.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
  + TGbe D0.3. is now available in the members area:
    - <https://www.ieee802.org/11/private/Draft_Standards/11be/index.html>
  + CC34-IEEE 802.11 P802.11be Comment Collection is now open (ends Feb. 03)
    - <https://mentor.ieee.org/802.11/poll-vote?p=46800008&t=46800008>
  + Reminder:
    - There are no motions to add to TGbe SFD for R1 after D0.3 is released
      * I.e., SPs may be ran, and expected to be included in the compendium of SPs but no motion will be ran to add to TGbe SFD
* TGbe Editor Status Report/Updates [10 mins]:
  + [19/1935r1](https://mentor.ieee.org/802.11/dcn/19/11-19-1935-01-00be-tgbe-editor-s-report.ppt) TGbe Editor's Report ; [997r85](https://mentor.ieee.org/802.11/dcn/20/11-20-0997-85-00be-tgbe-spec-text-volunteers-and-status.docx) Volunteers and Status; [20/1935r11](https://mentor.ieee.org/802.11/dcn/20/11-20-1935-11-00be-compendium-of-straw-polls-and-potential-changes-to-the-specification-framework-document-part-2.docx) Compendium of SPs–Part 2; [1262r23](https://mentor.ieee.org/802.11/dcn/19/11-19-1262-23-00be-specification-framework-for-tgbe.docx) TGbe SFD;
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [0011r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0011-03-00be-proposed-draft-text-pdt-joint-spatial-stream-and-mimo-protocol-enhancement-part-2.docx) Spatial Stream and MIMO Protocol Enhancement Part 2 Wook Bong Lee ~~[SP]~~
* Technical Submissions:
  + [0043r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0043-01-00be-eht-ltf-related-signaling-in-enhanced-trigger-frame.pptx) EHT-LTF related signaling in enhanced trigger frame Lei Huang
  + [0057r2](https://mentor.ieee.org/802.11/dcn/21/11-21-0057-02-00be-discussion-on-special-user-info-field-of-trigger-frame.pptx) Discussion on special user info field of trigger frame Lei Huang
  + [0095r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0095-00-00be-phy-related-agreements-for-sst.pptx) PHY-related agreements for SST Sigurd Schelstraete
    - Schedule SP next call

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* + [1247r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1247-01-00be-virtual-bss-for-multi-ap-coordination.pptx) Virtual BSS for multi ap coordination Jay Yang
  + *Technical Submissions from MAC queue if time permits*
* AoB:
* Adjourn

### 6th Conf. Call: January 21 (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

* + **Copyright Policy: Participants are advised that**
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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com)) and Sigurd Schelstraete ([sschelstraete@quantenna.com](mailto:sschelstraete@quantenna.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**
  + *Pending Requests*
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [104r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0104-00-00be-subcarriers-and-resource-allocation-for-multiple-rus-update.docx) PDT Subcarriers and Resource Allocation for Multiple RUs Update Jianhan Liu
  + [114r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0114-01-00be-pdt-updates-on-ltf.docx) PDT updates on LTF Chenchen Liu
* Technical Submissions:
  + [0089r1](https://mentor.ieee.org/802.11/dcn/21/11-21-0089-01-00be-eht-ppe-thresholds-field-follow-up.pptx) EHT PPE Thresholds Field Follow-up Mengshi Hu
  + [0102r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0102-00-00be-considerations-on-capabilities-and-operation-mode-mu-mimo.pptx) Considerations on Capabilities and Operation Mode: MU-MIMO Wook Bong Lee
  + [129r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0129-00-00be-phase-rotation-for-320-mhz-non-ht-duplicate-transmission-and-pre-eht-modulated-fields.pptx) Phase Rotation for 320 MHz Non-HT Duplicate Transmission and Pre-EHT modulated Fields Chenchen LIU
  + [130r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0130-00-00be-papr-comparison-for-two-320mhz-phase-rotation-sequences.pptx) PAPR Comparison for Two 320MHz Phase Rotation Sequences Eunsung Park
* AoB:
* Adjourn

### 6th Conf. Call: January 21 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
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* + **Copyright Policy: Participants are advised that**
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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim@lge.com](mailto:jeongki.kim@lge.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
  + [1140r7](https://mentor.ieee.org/802.11/dcn/20/11-20-1140-07-00be-ecsa-for-multi-link-operation.pptx) eCSA for multi link operation Laurent Cariou [2 SPs]
  + [0689r4](https://mentor.ieee.org/802.11/dcn/20/11-20-0689-04-00be-single-sta-trigger.pptx) Single STA Trigger Young H. Kwon [1 SP]
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
  + [1727r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1727-02-00be-pdt-mac-mlo-6-3-x-nsep-priority-access.docx) pdt-mac-mlo-6-3-x nsep-priority-access Zhiqiang Han [SP] 10’
  + [0034r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0034-03-00be-pdt-mac-quality-of-service-for-latency-sensitive-traffic.docx) pdt-mac-quality-of-service-for-latency-sensitive-traffic Chunyu Hu [SP] 10’
  + [0081r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0081-00-00be-mlo-group-addressed-frame.docx) pdt-mlo-group addressed frame Ming Gan 20’
  + [0082r0](https://mentor.ieee.org/802.11/dcn/21/11-21-0082-00-00be-pdt-mac-mlo-power-save-listen-interval.docx) pdt-mac-mlo-power save listen interval Ming Gan 20’
  + [1965r0](https://mentor.ieee.org/802.11/dcn/20/11-20-1965-00-00be-pdt-mac-mlo-mandatory-optional.docx) PDT-MAC-MLO-mandatory-optional Laurent Cariou 20’
* Technical Submissions:
  + [1554r3](https://mentor.ieee.org/802.11/dcn/20/11-20-1554-03-00be-ml-reconfiguration.pptx) ML reconfiguration Payam Torab [Q&A+SP] 10’
  + [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 Y. Kim
  + [1551r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1551-02-00be-tid-to-link-mapping-negotiation.pptx) TID-to-Link-Mapping-Negotiation Guogang Huang
  + [1534r4](https://mentor.ieee.org/802.11/dcn/20/11-20-1534-04-00be-discussion-on-multi-link-setup.pptx) Discussion-on-multi-link-setup Guogang Huang
  + [1124r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1124-01-00be-ml-element-design.pptx) ML element design Ming Gan
* AoB:
* Adjourn

### 7th Conf. Call: January 25 (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

* + **Copyright Policy: Participants are advised that**
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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Tianyu Wu ([tianyu@apple.com](mailto:tianyu@apple.com)) and Sigurd Schelstraete ([sschelstraete@quantenna.com](mailto:sschelstraete@quantenna.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**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 7th Conf. Call: January 25 (10:00–12:00 ET)–MAC

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

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

* + **Copyright Policy: Participants are advised that**
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    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim@lge.com](mailto:jeongki.kim@lge.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 8th Conf. Call: January 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

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* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to 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: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* **Motions:**
* AoB:
* Adjourn

### 9th Conf. Call: January 28 (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

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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 9th Conf. Call: January 28 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 10th Conf. Call: February 01 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 10th Conf. Call: February 01 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 11th Conf. Call: February 03 (10:00–12:00 ET)–JOINT

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
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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 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: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* **Motions:**
* AoB:
* Adjourn

### 12th Conf. Call: February 04 (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
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  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 12th Conf. Call: February 04 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
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* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 13th Conf. Call: February 08 (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
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    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 13th Conf. Call: February 08 (10:00–12:00 ET)–MAC

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
  + If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Jeongki Kim ([jeongki.kim@lge.com](mailto:jeongki.kim@lge.com)) and Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions: **Run SPs from Previous Topics [nominally 10 mins total]**
* Technical Submissions: **Proposed Draft Text (PDTs) for fixings TBDs**
* Technical Submissions:
* AoB:
* Adjourn

### 14th Conf. Call: February 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

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  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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    - 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: **Proposed Draft Text (PDTs) for fixings TBDs**
* 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.

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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

* https://[standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip](https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip)

IEEE SA Copyright FAQs

* <http://standards.ieee.org/faqs/copyrights.html/>

IEEE SA Best Practices for IEEE Standards Development

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

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

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

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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>