IEEE P802.11
Wireless LANs

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| TGbn Sept to Nov 2024 teleconference agendas |
| Date: 2024-09-24 |
| Author(s): |
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Abstract

This document contains the draft agenda for September to November 2024 TGbn teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1-2: Updated with received requests, deferrals and so on.
* Rev 3-4: Updated after the first conf calls. Includes updates of links for second conf call, and removal of submissions not posted in time.
* Rev 5-6: Updated after the second conf calls. Includes updates of links for second conf call, and removal of submissions not posted in time.
* Rev 7: Updated after the third conf call. Includes some announcements, and link to preliminary draft for TGbn guidelines.
* Rev 8: Updated after the fourth conf call.
* Rev 9-10: Updated after the fifth conf call, including the addition of the new PHY ad-hoc call for October 28th, 2024 and part of the new submission/SP requests received so far.

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| **TG Chair:** Alfred Asterjadhi (Qualcomm Technologies, Inc.) |
| **1st Vice Chair:** Laurent Cariou (Intel) | **2nd Vice Chair:** Jianhan Liu (Mediatek) | **3rd Vice Chair:** Kiseon Ryu (NXP) |
| **Secretary:** Yusuke Asai (NTT) | **Technical Editor:** Ross Jian Yu (Huawei) |
| **PHY Ad-Hoc Chair:**Dongguk Lim (LGE)**PHY Ad-Hoc Chair:**Sigurd Schelstraete (MaxLinear)**PHY Ad-Hoc Chair:**Tianyu Wu (Apple) | **MAC Ad-Hoc Chair:**Srinivas Kandala (Samsung)**MAC Ad-Hoc Chair:**Jeongki Kim (Ofinno)**MAC Ad-Hoc Chair:**Xiaofei Wang (Interdigital) |

## TGbn 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/Jane Doe (Affiliation)”

## Teleconferences Overview

* **September 16-20 (Monday-Friday) Holiday**
* **September 23 (Monday) – MAC/PHY 19:00-21:00 ET**
* **September 26 (Thursday) – MAC 10:00-12:00 ET**
* **September 30-October 04 (Monday-Friday) Holiday**
* **October 07 (Monday) – MAC 19:00-21:00 ET**
* **October 10 (Thursday) – Joint 10:00-12:00 ET**
* **October 14 (Monday) – MAC\* 19:00-21:00 ET**
* **October 17 (Thursday) – MAC/PHY 10:00-12:00 ET**
* **October 21 (Monday) – MAC\* 19:00-21:00 ET**
* **October 24 (Thursday) – MAC\* 10:00-12:00 ET**
* **October 28 (Monday) – MAC/PHY 19:00-21:00 ET**
* **October 31 (Thursday) – Joint 10:00-12:00 ET**
* **November 04-08 (Monday-Friday) Holiday**

\*May add additional PHY sessions, if pending submissions in the PHY queue and with 10-day advanced notice.

**We’ll use the following bridges:**

* Bridge for **JOINT and MAC: Webex meeting:** See *e-mail sent to reflector*
	+ Meeting number: *Please refer to e-mail sent to reflector.*
	+ Meeting password: wireless
* Bridge for **PHY:** **Webex meeting:** See *e-mail sent to reflector.*
	+ Meeting number: *Please refer to e-mail sent to reflector.*
	+ Meeting password: wireless

## Technical Submissions Queues

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| --- | --- | --- | --- | --- | --- |
| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
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| 24/0535 | Trigger, BA, and BAR Protection follow up | Po-kai Huang | Presented | Security | MAC |
| [24/0547](https://mentor.ieee.org/802.11/dcn/24/11-24-0547-00-00bn-secure-control-frames-follow-up.pptx) | Secure Control frames - Follow Up | Abhishek Patil  | Presented | Security | MAC |
| ~~24/0677~~ | ~~TWT Information Sharing in MAP Operation~~ | ~~Rubayet Shafin~~ | ~~Deferred~~ | ~~MAP~~ | ~~MAC~~ |
| [24/0820](https://mentor.ieee.org/802.11/dcn/24/11-24-0820-00-00bn-scs-proxy-for-relay.pptx) | SCS proxy for relay | Li Yan | Presented | Relay | MAC |
| [24/0868](https://mentor.ieee.org/802.11/dcn/24/11-24-0868-00-00bn-additional-considerations-on-non-primary-channel-access.pptx) | Additional Considerations on Non-Primary Channel Access | Leonardo Lanante | Presented | NPCA | MAC |
| [24/0888](https://mentor.ieee.org/802.11/dcn/24/11-24-0888-00-00bn-trigger-based-spatial-reuse-and-p2p-transmission.pptx) | Trigger-based spatial reuse and P2P transmission | Liuming Lu | Pending | SR | MAC |
| **Submissions (First Cut-Off)** |
| [24/0067](https://mentor.ieee.org/802.11/dcn/24/11-24-0067-01-00bn-range-expansion-via-repeated-transmission.pptx) | Range Expansion via Repeated Transmission | Nima Namvar | Presented | Reliability | PHY |
| 24/0815 | Dynamic bandwidth selection signaling details | Binita Gupta | Pending | Presented | MAC |
| [~~24/0949~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0949-00-00bn-service-period-based-dynamic-subband-operation.pptx) | ~~Service Period based Dynamic Subband Operation~~ | ~~Seongho Byeon~~ | ~~Withdrawn~~ | ~~DSO~~ | ~~MAC~~ |
| ~~24/1071~~ | ~~LPI PPDU Puncturing~~ | ~~Pelin Salem~~ | ~~Deferred~~ | ~~Miscellaneous~~ | ~~PHY~~ |
| ~~24/1116~~ | ~~Operating bandwidth indication for UHR~~ | ~~Vishnu Ratnam~~ | ~~Deferred~~ | ~~Miscellaneous~~ | ~~MAC~~ |
| ~~24/1117~~ | ~~AP state transitions in DPS mode - followup~~ | ~~Vishnu Ratnam~~ | ~~Deferred~~ | ~~Power Save~~ | MAC |
| [24/1123](https://mentor.ieee.org/802.11/dcn/24/11-24-1123-00-00bn-client-experience-reporting.pptx) | Client Experience Reporting | Brian Hart | Pending | Feedback | MAC |
| [24/1125](https://mentor.ieee.org/802.11/dcn/24/11-24-1125-01-00bn-considerations-on-switching-for-npca.pptx) | Considerations on switching for NPCA | Dongju Cha | Presented | NPCA | MAC |
| [24/1155](https://mentor.ieee.org/802.11/dcn/24/11-24-1155-00-00bn-further-discussions-on-npca.pptx) | Further discussions on NPCA | Sanghyun Kim | Presented | NPCA | MAC |
| [24/1157](https://mentor.ieee.org/802.11/dcn/24/11-24-1157-00-00bn-discussions-on-dynamic-subchannel-operation.pptx) | Discussions on Dynamic Subchannel Operation | Hyeonjun Sung | Pending | DSO | MAC |
| [~~24/1170~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1170-00-00bn-further-considerations-on-in-device-coexistence.pptx) |  ~~Further Considerations on In-Device Coexistence~~ | ~~Jaheon Gu~~ | ~~Withdrawn~~ | ~~Coexistence~~ | ~~MAC~~ |
| ~~24/1178~~ | ~~Considerations for proxy SCS~~ | ~~Vishnu Ratnam~~ | ~~Deferred~~ | ~~Miscellaneous~~ | ~~MAC~~ |
| [24/1193](https://mentor.ieee.org/802.11/dcn/24/11-24-1193-01-00bn-edca-for-high-priority-access.pptx) | EDCA+ for High Priority Access | Mingyu LEE | Pending | Channel Access | MAC |
| [24/1207](https://mentor.ieee.org/802.11/dcn/24/11-24-1207-00-00bn-preemption-session-setup.pptx) | Preemption Session Setup | Jason Y. Guo | Pending | Preemption | MAC |
| [24/1218](https://mentor.ieee.org/802.11/dcn/24/11-24-1218-00-00bn-npca-next-level-discussions.pptx) | NPCA - next level discussions | Gaurang Naik | Presented | NPCA | MAC |
| [24/1221](https://mentor.ieee.org/802.11/dcn/24/11-24-1221-01-00bn-icf-icr-follow-up.pptx) |  ICF ICR follow up | Liwen Chu | Pending | Coexistence | MAC |
| [24/1222](https://mentor.ieee.org/802.11/dcn/24/11-24-1222-00-00bn-npca-follow-up.pptx) | NPCA Follow up | Liwen Chu | Presented | NPCA | MAC |
| [24/1224](https://mentor.ieee.org/802.11/dcn/24/11-24-1224-00-00bn-joint-medium-access-and-txop-sharing.pptx) | Joint Medium Access and TXOP Sharing | Yongsen Ma | Pending | Channel Access | MAC |
| [24/1226](https://mentor.ieee.org/802.11/dcn/24/11-24-1226-00-00bn-icf-icr-design.pptx) | ICF-ICR design | Cariou, Laurent | Pending | Coexistence | MAC |
| ~~24/1229~~ | ~~NPCA follow-up~~ | ~~Cariou, Laurent~~ | ~~Pending~~ | ~~NPCA~~ | ~~MAC~~ |
| ~~24/1239~~ | ~~MAP Framework--Follow-up~~ | ~~Rubayet Shafin~~ | ~~Deferred~~ | ~~MAP~~ | ~~MAC~~ |
| 24/1240 | Thoughts on AP Power Saving | Rubayet Shafin | Pending | Power Save | MAC |
| 24/1241 | Control Frames for 11bn | Rubayet Shafin | Pending | Control  | MAC |
| [24/1247](https://mentor.ieee.org/802.11/dcn/24/11-24-1247-00-00bn-icf-icr-design-for-coex.pptx) | ICF ICR Design For Coex | Abdel Ajami | Pending | Coexistence | MAC |
| 24/1251 | Flexible Control Frames - Follow Up | Alfred Asterjadhi | Pending  | Control  | MAC |
| [24/1257](https://mentor.ieee.org/802.11/dcn/24/11-24-1257-00-00bn-preemption-procedure-and-indication-follow-up.pptx) | Preemption Procedure and Indication- follow up | Yunbo Li | Pending | Preemption | MAC |
| [24/1259](https://mentor.ieee.org/802.11/dcn/24/11-24-1259-02-00bn-sp-based-non-primary-channel-access-follow-up.pptx) | Sp-based non-primary channel access follow-up | Yue Zhao | Presented | NPCA | MAC |
| [24/1260](https://mentor.ieee.org/802.11/dcn/24/11-24-1260-00-00bn-further-considerations-on-npca.pptx) | Further considerations on NPCA | Liuming Lu | Presented | NPCA | MAC |
| [24/1261](https://mentor.ieee.org/802.11/dcn/24/11-24-1261-00-00bn-considerations-on-client-power-save-for-11bn.pptx) | Considerations on Client Power Save for 11bn | Liuming Lu | Pending | Power Save | MAC |
| **Submissions (Second Cut-Off )** |
| [~~23/1452~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1452-00-00bn-coordinated-measurement-follow-up.pptx) | ~~Coordinated Measurement Follow-up~~ | ~~Kosuke Aio~~ | ~~Deferred~~ | ~~MAP~~ | ~~MAC~~ |
| 24/0414 | Improving acknowledgment mechanisms | Alfred Asterjadhi | Pending | Acknowledgment | MAC |
| [24/0743](https://mentor.ieee.org/802.11/dcn/24/11-24-0743-00-00bn-simulation-results-for-map-obss-twt-management.pptx) | Simulation results for MAP OBSS TWT management | Patrice NEZOU | Pending | Cr-TWT | MAC |
| 24/0825 | Dynamic QoS | Rubayet Shafin | Pending | QoS | MAC |
| [24/0864](https://mentor.ieee.org/802.11/dcn/24/11-24-0864-00-00bn-edca-enhancement-for-low-latency-traffic.pptx) | EDCA enhancement for low latency traffic | Yonggang Fang | Pending | Channel Access | MAC |
| 24/0963 | Enhancement of BSR follow-up | Frank Hsu | Pending | Feedback | MAC |
| [24/1093](https://mentor.ieee.org/802.11/dcn/24/11-24-1093-00-00bn-special-scenarios-in-non-primary-channel-access.pptx) | Special scenarios in Non-Primary Channel Access | Sindhu Verma | Pending | NPCA | MAC |
| [24/1104](https://mentor.ieee.org/802.11/dcn/24/11-24-1104-00-00bn-some-details-on-npca.pptx) | Some details on NPCA | Seongho Byeon | Presented | NPCA | MAC |
| [24/1157](https://mentor.ieee.org/802.11/dcn/24/11-24-1157-00-00bn-discussions-on-dynamic-subchannel-operation.pptx) | Discussions on Dynamic Subchannel Operation | Hyeonjun Sung | Pending | DSO | MAC |
| [24/1192](https://mentor.ieee.org/802.11/dcn/24/11-24-1192-01-00bn-selective-non-primary-channel-access.pptx) | Selective non-primary channel access | Jonghoe Koo | Presented | NPCA | MAC |
| [24/1276](https://mentor.ieee.org/802.11/dcn/24/11-24-1276-00-00bn-transmission-enhancement-for-xr-use-case.pptx) | Transmission Enhancement for XR Use Case | Guogang Huang | Presented | Miscellaneous | MAC |
| 24/1309 | IDC Operation Follow-Up | Jeongki Kim | Pending | Coex | MAC |
| ~~24/1346~~ | ~~Considerations for Multi-AP SP Coordination~~ | ~~Xiaofei Wang~~ | ~~Deferred~~ | ~~MAP~~ | ~~MAC~~ |
| 24/1355 | Considerations on SCS Enhancement | SATO Takuhiro | Pending | QoS | MAC |
| ~~24/1358~~ | ~~Enabling opportunistic relay operation via 11bn~~ | ~~Peshal Nayak~~ | ~~Deferred~~ | ~~Relay~~ | ~~MAC~~ |
| [24/1375](https://mentor.ieee.org/802.11/dcn/24/11-24-1375-00-00bn-coordinated-tdma-analysis-for-time-sensitive-traffic-under-congested-scenarios.pptx) | Coordinated TDMA analysis for time-sensitive traffic under congested scenarios | Inaki Val | Pending | C-TDMA | MAC |
| 24/1377 | Non-Primary TXOP Sharing | Jungjun Kim | Pending | TXOP sharing | MAC |
| [24/1388](https://mentor.ieee.org/802.11/dcn/24/11-24-1388-01-00bn-thoughts-on-interface-between-ap-mlds-for-reamless-roaming.pptx) | Thoughts on interface between AP MLDs for reamless roaming | Haorui Yang | Pending | Roaming | MAC |
| [~~24/1389~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1389-00-00bn-coordinated-spatial-reuse-design-details.pptx) | ~~Coordinated-Spatial-Reuse-Design-Details~~ | ~~Jason Y. Guo~~ | ~~Withdrawn~~ | ~~Coex~~ | ~~MAC~~ |
| [24/1394](https://mentor.ieee.org/802.11/dcn/24/11-24-1394-00-00bn-npca-operation-issues.pptx) | NPCA Operation Issues | Seongho Byeon | Presented | NPCA | MAC |
| 24/1401 | Coordinated TDMA for Coordinated R-TWT  | Jonghoe Koo | Pending | Cr-TWT | MAC |
| [24/1403](https://mentor.ieee.org/802.11/dcn/24/11-24-1403-00-00bn-some-thoughts-on-npca-operation.pptx) | Some thoughts on NPCA Operation | Si-Chan Noh | Presented | NPCA | MAC |
| [24/1404](https://mentor.ieee.org/802.11/dcn/24/11-24-1404-00-00bn-discussion-on-channel-switching-for-npca.pptx) | Discussion on Channel Switching for NPCA | Si-Chan Noh | Presented | NPCA | MAC |
| [24/1414](https://mentor.ieee.org/802.11/dcn/24/11-24-1414-00-00bn-channel-measurement-based-on-control-frame-exchange.pptx) | Channel Measurement Based on Control Frame Exchange | Guogang Huang | Pending | Miscellaneous | MAC |
| 24/1421 | Follow-up on Peer-to-Peer TWT for Handling Co-Ex | Rubayet Shafin | Pending | Coex | MAC |
| 24/1425 | Considerations for Context Transfer in 11bn | Peshal Nayak | Pending | Roaming | MAC |
| [24/1435](https://mentor.ieee.org/802.11/dcn/24/11-24-1435-00-00bn-uhr-multi-channel-access.pptx) | UHR Multi-Channel Access | Yanchun Li | Pending | Channel Access | MAC |
| [24/1438](https://mentor.ieee.org/802.11/dcn/24/11-24-1438-00-00bn-enabling-qos-monitoring-at-ap-side.pptx) | Enabling QoS Monitoring at AP Side | Guogang Huang | Pending | QoS | MAC |
| [~~24/1439~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1439-00-00bn-dynamic-power-saving-in-mlo.pptx) | ~~Dynamic Power saving in MLO~~ | ~~Suhwook Kim~~ | ~~Withdrawn~~ | ~~Power Save~~ | ~~MAC~~ |
| [24/1443](https://mentor.ieee.org/802.11/dcn/24/11-24-1443-00-00bn-dpwifi-reva.pptx) | DPWiFi RevA | Carlos Rios | Pending | Miscellaneous | PHY |
| [24/1444](https://mentor.ieee.org/802.11/dcn/24/11-24-1444-00-00bn-roaming-with-context-transfer.pptx) | Roaming-with-context-transfer | Xiangxin Gu | Pending | Roaming | MAC |
| [24/1445](https://mentor.ieee.org/802.11/dcn/24/11-24-1445-00-00bn-indication-for-coex-event.pptx) | Indication for-coex-event | Xiangxin Gu | Pending | Coex | MAC |
| [24/1447](https://mentor.ieee.org/802.11/dcn/24/11-24-1447-00-00bn-in-device-coexistence-indication.pptx) | In-Device Coexistence Indication | Yongsen Ma | Pending | Coexistence | MAC |
| 24/1448 | Options for In-Device Coexistence Indication | Yongsen Ma | Pending | Coexistence | MAC |
| [24/1449](https://mentor.ieee.org/802.11/dcn/24/11-24-1449-00-00bn-a-flexible-extension-structure.pptx) | A Flexible Extension Structure | Yongsen Ma | Presented | Miscellaneous | MAC |
| [24/1453](https://mentor.ieee.org/802.11/dcn/24/11-24-1453-00-00bn-concurrent-messaging.pptx) | Concurrent Messaging | Yue Xu | Pending | Low Latency | MAC |
| [24/1457](https://mentor.ieee.org/802.11/dcn/24/11-24-1457-00-00bn-r-twt-sharing.pptx) | R-TWT Sharing | Gaius Y. H. Wee | Pending | Cr-TWT | MAC |
| [~~24/1460~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1460-00-00bn-extension-of-txop-level-idc-to-mlo.pptx) | ~~Extension of TXOP-level IDC to MLO~~ | ~~Jaheon Gu~~ | ~~Withdrawn~~ | ~~Coex~~ | ~~MAC~~ |
| 24/1464 | Discussion on ICF | Insun Jang | Pending | Control | MAC |
| [24/1467](https://mentor.ieee.org/802.11/dcn/24/11-24-1467-00-00bn-framework-of-multi-ap.pptx) | Framework of Multi-AP | Suhwook Kim | Presented | MAP | MAC |
| [24/1468](https://mentor.ieee.org/802.11/dcn/24/11-24-1468-00-00bn-credibility-criterion-for-txop-preemption.pptx) | Credibility Criterion for TXOP Preemption | Yuxin Lu | Pending | Preemption | MAC |
| [24/1470](https://mentor.ieee.org/802.11/dcn/24/11-24-1470-00-00bn-proposal-for-dru-tone-pan.pptx) | Proposal for DRU Tone Plan | Eunsung Park | Pending | DRU-Tone Plan | PHY |
| [24/1473](https://mentor.ieee.org/802.11/dcn/24/11-24-1473-00-00bn-map-co-edca-to-improve-the-performance-of-edging-sta-follow-up.pptx) | MAP co-EDCA to improve the performance of edging STA Follow up | Li Quan | Presented | MAP | MAC |
| [24/1474](https://mentor.ieee.org/802.11/dcn/24/11-24-1474-00-00bn-some-thoughts-on-dso.pptx) | some thoughts on DSO | Li Quan | Pending | DSO | MAC |
| [24/1476](https://mentor.ieee.org/802.11/dcn/24/11-24-1476-00-00bn-seamless-roaming-follow-up.pptx) | Seamless roaming follow up  | Jay Yang | Pending | Roaming | MAC |
| [24/1477](https://mentor.ieee.org/802.11/dcn/24/11-24-1477-00-00bn-operating-channel-validation-ocv-in-npca.pptx) | Operating Channel Validation(OCV) in NPCA | Jay Yang | Presented | NPCA | MAC |
| [24/1480](https://mentor.ieee.org/802.11/dcn/24/11-24-1480-00-00bn-uhr-ltf-for-dru.pptx) | UHR-LTF for DRU | Sigurd Schelstraete | Presented | DRU-LTF | PHY |
| [24/1481](https://mentor.ieee.org/802.11/dcn/24/11-24-1481-00-00bn-csma-with-enhanced-collision-avoidance-follow-up.pptx) | CSMA with enhanced Collision Avoidance - follow-up | Sigurd Schelstraete | Presented | Channel Access | Joint |
| [24/1482](https://mentor.ieee.org/802.11/dcn/24/11-24-1482-00-00bn-csma-with-enhanced-collision-avoidance-for-low-latency-traffic.pptx) | CSMA with enhanced Collision Avoidance for Low-Latency traffic | Sigurd Schelstraete | Presented | Channel Access | Joint |
| [24/1487](https://mentor.ieee.org/802.11/dcn/24/11-24-1487-00-00bn-ldpc-and-framing-settings-for-ultra-high-reliability.pptx) | LDPC and Framing Settings for Ultra High Reliability | Rainer Strobel | Pending | LDPC | PHY |
| 24/1490 | More Consideration of ICR/CRF for in-device-coexistence | Hongwon Lee | Pending | Coex | MAC |
| [24/1492](https://mentor.ieee.org/802.11/dcn/24/11-24-1492-00-00bn-comparison-between-dynamic-and-fixed-start-csd-assignment.pptx) | Comparison between Dynamic and Fixed Start CSD Assignment | Bo Gong | Pending | DRU | PHY |
| [24/1493](https://mentor.ieee.org/802.11/dcn/24/11-24-1493-00-00bn-tone-plan-shift-value-design.pptx) | Tone Plan Shift Value Design | Bo Gong | Presented | DRU | PHY |
| [24/1494](https://mentor.ieee.org/802.11/dcn/24/11-24-1494-00-00bn-a-transmission-scheme-for-uhr.pptx) | A-transmission-scheme-for-UHR | Xiangxin Gu | Presented | Low Latency | Joint |
| [24/1499](https://mentor.ieee.org/802.11/dcn/24/11-24-1499-00-00bn-low-latency-bss-indication.pptx) | Low Latency BSS Indication | Akira Kishida | Presented | Low Latency | Joint |
| 24/1502 | Discussion on AP Power Save | SunHee Baek | Pending | Power Save | MAC |
| [24/1504](https://mentor.ieee.org/802.11/dcn/24/11-24-1504-00-00bn-considerations-on-aperiodic-in-device-coexistence.pptx) | Considerations on Aperiodic In-device Coexistence | Hyeonjun Sung | Pending | Coex | MAC |
| [24/1505](https://mentor.ieee.org/802.11/dcn/24/11-24-1505-00-00bn-txop-bandwidth-expansion-follow-up.pptx) |  TXOP bandwidth expansion - Follow up | Sanghyun Kim | Pending | Bandwidth Expansion | MAC |
| [~~24/1507~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1507-00-00bn-uhr-trigger-frame-design.pptx) | ~~UHR Trigger Frame Design~~ | ~~Mahmoud Hasabelnaby~~ | ~~Deferred~~ | ~~Trigger~~ | ~~Joint~~ |
| [24/1508](https://mentor.ieee.org/802.11/dcn/24/11-24-1508-00-00bn-channel-protection-in-elr-scenarios.pptx) | Channel Protection In ELR Scenarios | Yunbo Li | Pending | ELR | MAC |
| 24/1512 | High-Capability Protection in DPS | Maolin Zhang | Pending | Power Save | MAC |
| 24/1516 | Seamless Roaming Context Transfer | Yelin Yoon | Pending | Roaming | MAC |
| 24/1517 | Seamless Roaming Data Transfer | Yelin Yoon | Pending | Roaming | MAC |
| 24/1523 | NPCA During Intra-BSS Traffic On Primary Channel | Charlie Pettersson | Pending | NPCA | MAC |
| [24/1528](https://mentor.ieee.org/802.11/dcn/24/11-24-1528-00-00bn-details-on-data-forwarding-for-seamless-roaming.pptx) | Details-on-data-forwarding-for-seamless-roaming | Ryuichi Hirata | Pending | Roaming | MAC |
| [24/1531](https://mentor.ieee.org/802.11/dcn/24/11-24-1531-01-00bn-non-period-idc-signaling-enhancements.pptx) | Non-period IDC signaling enhancements | Michail Koundourakis | Pending | Coex | MAC |
| 24/1532 | Resource management on preemption | Yue Qi | Pending | Preemption | MAC |
| 24/1545 | Providing Granular Transmit PSD Limits | Pelin Salem | Pending | Regulatory | MAC |
| [24/1547](https://mentor.ieee.org/802.11/dcn/24/11-24-1547-00-00bn-npca-operation-for-idc-management.pptx) | NPCA Operation for IDC Management | Juseong Moon | Pending | Coex | MAC |
| [24/1550](https://mentor.ieee.org/802.11/dcn/24/11-24-1550-00-00bn-in-device-coexistence-follow-up.pptx) | In-device coexistence follow up | Abdel Karim Ajami | Pending | Coex | MAC |
| [24/1552](https://mentor.ieee.org/802.11/dcn/24/11-24-1552-00-00bn-uhr-ltf-design-for-dru-further-results.pptx) | UHR-LTF Design for DRU - Further Results | Mahmoud Kamel | Presented | DRU-LTF | PHY |
| 24/1553 | DSO follow up | Gaurang Naik | Pending | DSO | MAC |
| [24/1555](https://mentor.ieee.org/802.11/dcn/24/11-24-1555-00-00bn-thought-on-pap-transmission-in-joint-transmission.pptx) | Thought on PAP Transmission in Joint Transmission | Kazunobu Serizawa | Presented | JT | PHY |
| [24/1556](https://mentor.ieee.org/802.11/dcn/24/11-24-1556-01-00bn-thoughts-on-dru-availability-for-regulatory-compliance.pptx) | Thoughts on DRU Availability for Regulatory Compliance | Yusuke Asai | Pending | DRU-Misc | PHY |
| 24/1558 | in-device-coexistence-follow-up | Sherief Helwa | Pending | Coex | MAC |
| [24/1559](https://mentor.ieee.org/802.11/dcn/24/11-24-1559-00-00bn-in-device-coexistence-next-steps.pptx) | In-device-coexistence next steps | Sindhu Verma | Pending | Coex | MAC |
| [24/1562](https://mentor.ieee.org/802.11/dcn/24/11-24-1562-00-00bn-in-device-coexistence-follow-up.pptx) | in-device coexistence follow up | Liwen Chu | Pending | Coex | MAC |
| [24/1563](https://mentor.ieee.org/802.11/dcn/24/11-24-1563-01-00bn-npca-follow-up.pptx) | NPCA follow up | Liwen Chu | Presented | NPCA | MAC |
| [24/1564](https://mentor.ieee.org/802.11/dcn/24/11-24-1564-01-00bn-dso-follow-up.pptx) | DSO follow up | Liwen Chu | Pending | DSO | MAC |
| 24/1565 | Further considerations on data unit delivery using relaying | Serhat Erkucuk | Presented | Relay | MAC |
| [24/1567](https://mentor.ieee.org/802.11/dcn/24/11-24-1567-00-00bn-ltf-design-for-dru.pptx) | LTF Design for DRU | Ron Porat | Presented | DRU-LTF | PHY |
| 24/1572 | Enhancements on Relaying for UHR | Tuncer Baykas | Presented | Relay | MAC |
| [24/1577](https://mentor.ieee.org/802.11/dcn/24/11-24-1577-00-00bn-non-primary-channel-access-during-r-twt-coordination.pptx) | Non-Primary Channel Access During R-TWT Coordination | Leonardo Lanant | Pending | C-rTWT | MAC |
| 24/1578 | Sounding Procedure for Relay Operation | Jiayi Zhang | Presented | Relay | MAC |
| [24/1583](https://mentor.ieee.org/802.11/dcn/24/11-24-1583-00-00bn-icr-transmission-follow-up.pptx) | ICR transmission-follow-up | Dibakar Das | Pending | Control | MAC |
| 24/1585 | Non-primary channel access operation (NPCA) follow-up | Jeongki Kim | Presented | NPCA | MAC |
| 24/1586 | Reducing CSD collisions for DRU STF | Leonardo Lanante | Pending | DRU-STF | PHY |
| ~~24/1587~~ | ~~Discussion on DSO Operation~~ | ~~Kaiying Lu~~ | ~~Not Uploaded~~ | ~~DSO~~ | ~~MAC~~ |
| 24/1588 | DSO Configurations | Shubhodeep Adhikari | Schedule in the AM | DSO | MAC |
| 24/1589 | Dynamic Subband Operation, follow up | Morteza Mehrnoush | Pending | DSO | MAC |
| [24/1591](https://mentor.ieee.org/802.11/dcn/24/11-24-1591-00-00bn-thoughts-on-seamless-roaming-and-npca.pptx) | Thoughts on Seamless Roaming and NPCA | Ning Gao | Pending | Roaming | MAC |
| 24/1595 | Scope of MAPC and Roaming Standardization | Brian Hart | Presented | MAP | MAC |
| 24/1596 | Consideration of MAP coordination on NPCA channel | Li Yan | Presented | MAP | MAC |
| 24/1602 | Power Save Enhancements in UHR | Kumail Haider | Pending | Power Save | MAC |
| **Submissions (Third Cut-Off ) – Not ordered** |
| 24/1624 | SN assignment and inter-AP MLD interaction for Seamless Roaming | Kyosuke Inoue | Pending | Roaming | MAC |
| 24/1651 | Coordinated TDMA analysis for time-sensitive traffic - Follow Up | Iñaki Val Beitia | Pending | C-TDMA | MAC |
| 24/0677 | TWT Information Sharing in MAP Operation | Rubayet Shafin | Pending (Deferred) | MAP | MAC |
| 24/1239 | MAP Framework--Follow-up | Rubayet Shafin | Pending (Deferred) | MAP | MAC |
| 24/1346 | Considerations for Multi-AP SP Coordination | Xiaofei Wang | Pending (Deferred) | MAP | MAC |
| 24/1644 | Compact User field encodings | Brian Hart | Pending | Preamble | PHY |
| 24/1645 | Compact User field encodings - detailed examples | Brian Hart | Pending | Preamble | PHY |
| [24/1611](https://mentor.ieee.org/802.11/dcn/24/11-24-1611-00-00bn-power-save-capabilities.pptx) | TGbn Power Save Capabilities | Mansi Ekkundi | Pending | Power Save | MAC |
| 24/1646 | Further-Considerations-for-generalized-map-framework | Sawaira Ali | Pending | MAP | MAC |
| [24/1507](https://mentor.ieee.org/802.11/dcn/24/11-24-1507-00-00bn-uhr-trigger-frame-design.pptx) | UHR Trigger Frame Design | Mahmoud Hasabelnaby | Pending (Deferred) | Trigger | Joint |
| [23/1452](https://mentor.ieee.org/802.11/dcn/24/11-24-1452-00-00bn-coordinated-measurement-follow-up.pptx) | Coordinated Measurement Follow-up | Kosuke Aio | Pending (Deferred) | MAP | MAC |
| 24/1655 | Considerations of Non-Primary Channel Access | Hanqing Lou | Pending | NPCA | MAC |
| 24/1071 | LPI PPDU Puncturing | Pelin Salem | Pending(Deferred) | Miscellaneous | PHY |
| 24/1358 | Enabling opportunistic relay operation via 11bn | Peshal Nayak | Pending(Deferred) | Relay | MAC |
| 24/1690 | Discussion on OOO delivery | Liangxiao Xin | Pending | QoS | MAC |
| 24/1692 | Usage of Expiration Time for LL Traffic | Liangxiao Xin | Pending | Low Latency | MAC |
| 24/1693 | The MAPC security framework | Jay Yang | Pending | MAP | MAC |
| 24/1694 | The trust model between STA and OBSS AP in MAPC scheme | Jay Yang | Pending | MAP | MAC |
| 24/1688 | NPCA fairness for unsupported STA | Haorui Yang | Pending | NPCA | MAC |
| 24/1695 | 11bn signaling design for extra MCS, UEQM, 2xLDPC | You-Wei Chen | Pending | Miscellaneous | PHY |
| 24/1696 | Positive-ackonwlegement-to-the-reception-of-correct-phy-header | Yanchao Xu | Pending | Acknowledgment | MAC |
| 24/1700 | Collision detection mark for enhanced channel access | Daniel Verenzuela | Pending | Miscellaneous | PHY |
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| **Pending SPs (work in progress)** |
| [1097r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1097-00-00bn-thoughts-on-uhr-ltf-for-dru.pptx) | Thoughts on UHR-LTF for DRU | Eunsung Park | Pending 2 SP | DRU | PHY |
| e-mail 10/09 | 11-23/1895, 11-24/0423, 11-24/1016, 11-24/1017, 11-24/1225 | Sanket Kalamkar | Pending 4 SP | C-TDMA | MAC |
| e-mail 10/03 | 24/1552r1 | Mahmoud Kamel | Pending 1 SP | DRU | PHY |
| e-mail 10/11 | [23-2002] | Laurent Cariou | Pending 2 SP | Coexistence | MAC |
| e-mail 10/11 | 24/495r0 | Laurent Cariou | Pending 2 SP | NPCA | MAC |
| e-mail 10/11 | 24-1227r1 | Laurent Cariou | Pending 1 SP | Power Save | MAC |
| e-mail 10/11 | 24-1144r1 | Dmitry Akhmetov | Pending 1 SP | Channel Access | MAC |
| e-mail 10/11 | 24/1218r1 | Gaurang Naik | Pending 6 SP | NPCA | MAC |
| e-mail 10/11 | 24/0052, 23/1884, 23/1996, 24/830, 24/0083, 24/0101, 24/0396, 24/0655, 23/2157 | Giovanni Chisci | Pending 1 SP | Roaming | MAC |
| e-mail 10/13 | 11-23-93 | Dibakar Das | Pending 1 SP | MAP | MAC |
| e-mail 10/15 | 23/1837r2, 24/1389r0,24/1217r2,24/842r0,24/843r0, 24/1016r2 | Jay Yang | Pending 1 SP | MAP | MAC |
| e-mail 10/15 | 24/838r0, 24/1075r1 | Jay Yang | Pending 2 SP | MAP | MAC |
| e-mail 10/15 | 24/1076r0, 24/1690r0 | Jay Yang | Pending 1 SP | Low Latency | MAC |
| e-mail 10/16 | 11-23/1895, 11-23/1910, 11-23/1912, 11-24/0227, 11-24/0411, 11-24/0423, 11-24/0842, 11-24/0843, 11-24/1016, 11-24/1017, 11-24/1225 | GeonHwan Kim | Pending 2 SP | C-TDMA | MAC |
| e-mail 10/16 | 24/160, 23/1916 | SunHee Baek | Pending 4 SP | C-RTWT | MAC |
| e-mail 10/16 | 11-24/543, 11-24/857, 11-24/1226, 11-24/1247, 11-24/1558 | Sherief Helwa | Pending 2 SP | Coexistence | MAC |
| e-mail 10/16 | 11- 23/1934, 11- 23/1964, 11- 23/2002, 11- 23/2078 | Sherief Helwa | Pending 2 SP | Coexistence | MAC |
| e-mail 10/17 | [11-24/543, 11-24/857, 11-24/1226, 11-24/1247, 11-24/1558] | Sherief Helwa | Pending 1 SP | Coexistence | MAC |
| e-mail 10/17 | [11- 23/1934, 11- 23/1964, 11- 23/2002, 11- 23/2040, 11-23/2078, 11-24/0509, 11-24/1558] | Sherief Helwa | Pending 1 SP | Power Save | MAC |
| e-mail 10/17 |  [11-23/1873, 11- 23/1875, 11- 23/1965, 11- 23/2003, 11-24/544, 11-24/1129, 11-24/1227, 11-24/1246, 11-24/1256] | Sherief Helwa | Pending 1 SP | Power Save | MAC |
| e-mail 10/17 | 11-24/858r0 | Liwen Chu | Pending 1 SP | NPCA | MAC |
| e-mail 10/17 | 11-24/1222r1 | Liwen Chu | Pending 2 SP | NPCA | MAC |
| e-mail 10/17 | 11-24/1563r2 | Liwen Chu | Pending 1 SP | NPCA | MAC |
| e-mail 10/17 | 11-24/494r2, 11-24/1226r0, 11-24/1558r1, 11-24/1562r0 | Liwen Chu | Pending 1 SP | Coexistence | MAC |
| e-mail 10/17 | 11-24/857r1, 11-24/494r2, 11-24/1226r0, 11-24/1558r1 | Liwen Chu | Pending 1 SP | Coexistence | MAC |
| e-mail 10/17 | 24/1477r1 | Jay Yang | Pending 1 SP | NPCA | MAC |
| e-mail 10/17 | 11-23/1913 | DongJu Cha | Pending 1 SP | NPCA | MAC |
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| End Of Queue |
| Notes: Not Uploaded – Document was not present in the server 24 hours prior to the scheduled conference call/session and no request was received for re-scheduling/postponing. |

## Teleconference Agendas

### 1st Conf. Call: September 23 (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); 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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		- 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
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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>
	+ Please record your attendance during the conference call by using the IMAT system:
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	+ If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
	+ Presentations to be uploaded at least 24 hours prior to the scheduled meeting. Those not uploaded in time will be removed from the queues.
	+ Topics with many contributions and they might discuss similar concepts/issues. Please check with other members to harmonize/consolidate (co-authoring, harmonized SPs, etc).
	+ Time allocated for each presentation is limited to 15 mins (20 if planned SP run). Make sure that contribution is presented well within this time limit and that you leave enough room for any Q&As (preferred). If no time left for Q&As then please use TGbn reflector.
* Technical Submissions-MAP:
	+ [24/1467](https://mentor.ieee.org/802.11/dcn/24/11-24-1467-00-00bn-framework-of-multi-ap.pptx) Framework of Multi-AP Suhwook Kim
	+ [24/1473](https://mentor.ieee.org/802.11/dcn/24/11-24-1473-01-00bn-map-co-edca-to-improve-the-performance-of-edging-sta-follow-up.pptx) MAP co-EDCA to improve the perf. of edging STA Follow up Li Quan
	+ [24/1595](https://mentor.ieee.org/802.11/dcn/24/11-24-1595-00-00bn-scope-of-mapc-and-roaming-standardization.pptx) Scope of MAPC and Roaming Standardization Brian Hart
	+ [24/1596](https://mentor.ieee.org/802.11/dcn/24/11-24-1596-01-00bn-consideration-of-map-coordination-on-npca-channel.pptx) Consideration of MAP coordination on NPCA channel Li Yan
* Technical Submissions-NPCA Part 1:
	+ [24/0868](https://mentor.ieee.org/802.11/dcn/24/11-24-0868-00-00bn-additional-considerations-on-non-primary-channel-access.pptx) Additional Considerations on NPCA Leonardo Lanante
	+ [24/1125](https://mentor.ieee.org/802.11/dcn/24/11-24-1125-01-00bn-considerations-on-switching-for-npca.pptx) Considerations on switching for NPCA Dongju Cha
	+ [24/1155](https://mentor.ieee.org/802.11/dcn/24/11-24-1155-00-00bn-further-discussions-on-npca.pptx) Further discussions on NPCA Sanghyun Kim
	+ [24/1218](https://mentor.ieee.org/802.11/dcn/24/11-24-1218-01-00bn-npca-next-level-discussions.pptx) NPCA - next level discussions Gaurang Naik
	+ [24/1222](https://mentor.ieee.org/802.11/dcn/24/11-24-1222-01-00bn-npca-follow-up.pptx) NPCA Follow up Liwen Chu
* AoB:
* Adjourn

### 1st Conf. Call: September 23 (19:00–21:00 ET)–PHY

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* Attendance reminder.
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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 Dongguk Lim (dongguk.lim@lge.com), Sigurd Schelstraete (sschelstraete@maxlinear.com) and Tianyu Wu (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-Miscellaneous + DRU (Tone plan & LTF):
	+ [24/0067](https://mentor.ieee.org/802.11/dcn/24/11-24-0067-02-00bn-range-expansion-via-repeated-transmission.pptx) Range Expansion via Repeated Transmission Nima Namvar
	+ ~~24/1071 LPI PPDU Puncturing Pelin Salem~~
	+ [~~24/1443~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1443-03-00bn-dpwifi-reva.pptx) ~~DPWiFi RevA Carlos Rios~~
	+ [~~24/1487~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1487-00-00bn-ldpc-and-framing-settings-for-ultra-high-reliability.pptx) ~~LDPC and Framing Settings for Ultra High Reliability Rainer Strobel~~
	+ [24/1555](https://mentor.ieee.org/802.11/dcn/24/11-24-1555-01-00bn-thought-on-pap-transmission-in-joint-transmission.pptx) Thought on PAP Transmission in Joint Transmission Kazunobu Serizawa
	+ [~~24/1470~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1470-00-00bn-proposal-for-dru-tone-pan.pptx) ~~Proposal for DRU Tone Plan Eunsung Park~~
	+ [24/1493](https://mentor.ieee.org/802.11/dcn/24/11-24-1493-01-00bn-tone-plan-shift-value-design.pptx) Tone Plan Shift Value Design Bo Gong
	+ [24/1480](https://mentor.ieee.org/802.11/dcn/24/11-24-1480-00-00bn-uhr-ltf-for-dru.pptx) UHR-LTF for DRU Sigurd Schelstraete
	+ [24/1552](https://mentor.ieee.org/802.11/dcn/24/11-24-1552-00-00bn-uhr-ltf-design-for-dru-further-results.pptx) UHR-LTF Design for DRU - Further Results Mahmoud Kamel
	+ [24/1567](https://mentor.ieee.org/802.11/dcn/24/11-24-1567-00-00bn-ltf-design-for-dru.pptx) LTF Design for DRU Ron Porat
	+ [24/1492](https://mentor.ieee.org/802.11/dcn/24/11-24-1492-00-00bn-comparison-between-dynamic-and-fixed-start-csd-assignment.pptx) Comparison between Dyn. & Fixed Start CSD Assignment Bo Gong
	+ [24/1556](https://mentor.ieee.org/802.11/dcn/24/11-24-1556-01-00bn-thoughts-on-dru-availability-for-regulatory-compliance.pptx) Thoughts on DRU Availability for Regulatory Compliance Yusuke Asai
* AoB:
* Adjourn

### 2nd Conf. Call: September 26 (10:00–12:00 ET)–MAC

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* IEEE 802 and 802.11 IPR policy and procedure
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	+ 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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions-Security + Relay:
	+ [24/0535](https://mentor.ieee.org/802.11/dcn/24/11-24-0535-00-00bn-trigger-ba-and-bar-protection-follow-up.pptx) Trigger, BA, and BAR Protection follow up Po-kai Huang
	+ [24/0547](https://mentor.ieee.org/802.11/dcn/24/11-24-0547-00-00bn-secure-control-frames-follow-up.pptx) Secure Control frames - Follow Up Abhishek Patil
	+ [24/0820](https://mentor.ieee.org/802.11/dcn/24/11-24-0820-00-00bn-scs-proxy-for-relay.pptx) SCS proxy for relay Li Yan
	+ ~~24/1358 Enabling opportunistic relay operation via 11bn Peshal Nayak~~
	+ [24/1565](https://mentor.ieee.org/802.11/dcn/24/11-24-1565-00-00bn-further-considerations-on-data-unit-delivery-using-relaying.pptx) Further considerations on data unit delivery using relaying Serhat Erkucuk
	+ [24/1572](https://mentor.ieee.org/802.11/dcn/24/11-24-1572-00-00bn-enhancements-on-relaying-for-uhr.pptx) Enhancements on Relaying for UHR Tuncer Baykas
	+ [24/1578](https://mentor.ieee.org/802.11/dcn/24/11-24-1578-00-00bn-sounding-procedure-for-relay-operation.pptx) Sounding Procedure for Relay Operation Jiayi Zhang
* Technical Submissions-NPCA Part 1:
	+ [24/1155](https://mentor.ieee.org/802.11/dcn/24/11-24-1155-00-00bn-further-discussions-on-npca.pptx) Further discussions on NPCA Sanghyun Kim
	+ [24/1218](https://mentor.ieee.org/802.11/dcn/24/11-24-1218-01-00bn-npca-next-level-discussions.pptx) NPCA - next level discussions Gaurang Naik
	+ [24/1222](https://mentor.ieee.org/802.11/dcn/24/11-24-1222-01-00bn-npca-follow-up.pptx) NPCA Follow up Liwen Chu
	+ 24/1229 NPCA follow-up Cariou, Laurent
	+ [24/1259](https://mentor.ieee.org/802.11/dcn/24/11-24-1259-02-00bn-sp-based-non-primary-channel-access-follow-up.pptx) Sp-based non-primary channel access follow-up Yue Zhao
	+ [24/1260](https://mentor.ieee.org/802.11/dcn/24/11-24-1260-00-00bn-further-considerations-on-npca.pptx) Further considerations on NPCA Liuming Lu
	+ [24/1093](https://mentor.ieee.org/802.11/dcn/24/11-24-1093-00-00bn-special-scenarios-in-non-primary-channel-access.pptx) Special scenarios in Non-Primary Channel Access Sindhu Verma
* AoB:
* Adjourn

### 3rd Conf. Call: October 07 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions-NPCA Part 2:
	+ [24/1218](https://mentor.ieee.org/802.11/dcn/24/11-24-1218-01-00bn-npca-next-level-discussions.pptx) NPCA - Next level discussions Gaurang Naik [Q&A]
	+ [24/1222](https://mentor.ieee.org/802.11/dcn/24/11-24-1222-01-00bn-npca-follow-up.pptx) NPCA Follow up Liwen Chu
	+ ~~24/1229 NPCA follow-up Cariou, Laurent~~
	+ [24/1259](https://mentor.ieee.org/802.11/dcn/24/11-24-1259-02-00bn-sp-based-non-primary-channel-access-follow-up.pptx) Sp-based non-primary channel access follow-up Yue Zhao
	+ [24/1260](https://mentor.ieee.org/802.11/dcn/24/11-24-1260-00-00bn-further-considerations-on-npca.pptx) Further considerations on NPCA Liuming Lu
	+ [~~24/1093~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1093-00-00bn-special-scenarios-in-non-primary-channel-access.pptx) ~~Special scenarios in Non-Primary Channel Access Sindhu Verma~~
	+ [24/1104](https://mentor.ieee.org/802.11/dcn/24/11-24-1104-01-00bn-some-details-on-npca.pptx) Some details on NPCA Seongho Byeon
	+ [24/1192](https://mentor.ieee.org/802.11/dcn/24/11-24-1192-01-00bn-selective-non-primary-channel-access.pptx) Selective non-primary channel access Jonghoe Koo
	+ [24/1394](https://mentor.ieee.org/802.11/dcn/24/11-24-1394-00-00bn-npca-operation-issues.pptx) NPCA Operation Issues Seongho Byeon
	+ [24/1403](https://mentor.ieee.org/802.11/dcn/24/11-24-1403-00-00bn-some-thoughts-on-npca-operation.pptx) Some thoughts on NPCA Operation Si-Chan Noh
* AoB:
* Adjourn

### 4th Conf. Call: October 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); 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 “TGbn <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 Yusuke Asai (yusuke.asai@ntt.com) and Alfred Asterjadhi (asterjadhi@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
	+ Slido did not save voting data for Motion 35 (which had a request for recorded vote) and Motion 39 which did not have a request for recorded vote. Now for:
		- Motion 39: The preliminary result will be the final result, i.e., 175Y, 8N, 69A (passes), since we don’t have the data for validation.
		- Motion 35: Need to ask member that requested recorded vote (Shimi Shilo) if the request for recorded vote still stands
			* If the request for recorded vote still stands then Motion 35 needs to be re-run so that we can obtain such data.
			* If the request for recorded vote is relinquished then for this motion the preliminary result will be the final result, i.e., 148Y, 39N, 81A (passes), since we don’t have the data for validation.
				+ Request was relinquished. So preliminary result becomes the final result.
	+ Slido saved voting data for Motions 40 and 41 and have been used for vote validation. Validation shows that some members with no voting rights are actually voting and also some inconsistency in using the First Name, Last Name, Affiliation format. In order to ensure that this does not happen:
		- Please ensure that the following information is listed correctly when joining the call: "[voter status] First Name Last Name (Affiliation)"
			* Chair may ask one of the ViceChairs to monitor the participants list during the Joint call during which motions are scheduled. ViceChairs may request members to comply with above criteria. Votes from members that do not satisfy the above criteria will not be counted during voting validation.
		- Please check that you have voting rights here: <https://www.ieee802.org/11/members.html>. Please don’t vote on Motions if you don’t have voting rights.
* Initial TGbn guidelines (includes spec text drafting for TGbn D0.1)
	+ [11-24/1682](https://mentor.ieee.org/802.11/dcn/24/11-24-1682-00-00bn-tgbn-guidelines.docx) TGbn Guidelines
* Technical Submissions-Channel Access + Low Latency + SR:
	+ [24/1481](https://mentor.ieee.org/802.11/dcn/24/11-24-1481-00-00bn-csma-with-enhanced-collision-avoidance-follow-up.pptx) CSMA with enhanced Collision Avoidance-follow-up Sigurd Schelstraete
	+ [24/1482](https://mentor.ieee.org/802.11/dcn/24/11-24-1482-00-00bn-csma-with-enhanced-collision-avoidance-for-low-latency-traffic.pptx) CSMA with enhanced Collision Avoidance 4 LL traffic Sigurd Schelstraete
	+ [24/1494](https://mentor.ieee.org/802.11/dcn/24/11-24-1494-00-00bn-a-transmission-scheme-for-uhr.pptx) A-transmission-scheme-for-UHR Xiangxin Gu
	+ [24/1499](https://mentor.ieee.org/802.11/dcn/24/11-24-1499-00-00bn-low-latency-bss-indication.pptx) Low Latency BSS Indication Akira Kishida
	+ [24/0888](https://mentor.ieee.org/802.11/dcn/24/11-24-0888-00-00bn-trigger-based-spatial-reuse-and-p2p-transmission.pptx) Trigger-based spatial reuse and P2P transmission Liuming Lu
	+ [~~24/1389~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1389-00-00bn-coordinated-spatial-reuse-design-details.pptx) ~~Coordinated-Spatial-Reuse-Design-Details Jason Y. Guo~~
* AoB:
* Adjourn

### 5th Conf. Call: October 14 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
	+ TGbn chair offloaded task for POC/TTT maintenance to Ross (TGbn editor), please make sure Ross is included as a recipient of the request e-mails.
* Technical Submissions-NPCA Part 3:
	+ [24/1403](https://mentor.ieee.org/802.11/dcn/24/11-24-1403-00-00bn-some-thoughts-on-npca-operation.pptx) Some thoughts on NPCA Operation Si-Chan Noh
	+ [24/1404](https://mentor.ieee.org/802.11/dcn/24/11-24-1404-00-00bn-discussion-on-channel-switching-for-npca.pptx) Discussion on Channel Switching for NPCA Si-Chan Noh
	+ [24/1477](https://mentor.ieee.org/802.11/dcn/24/11-24-1477-00-00bn-operating-channel-validation-ocv-in-npca.pptx) Operating Channel Validation (OCV) in NPCA Jay Yang
	+ ~~24/1523 NPCA During Intra-BSS Traffic On Primary Channel \* Charlie Pettersson~~
	+ [24/1563](https://mentor.ieee.org/802.11/dcn/24/11-24-1563-01-00bn-npca-follow-up.pptx) NPCA follow up Liwen Chu
	+ [24/1585](https://mentor.ieee.org/802.11/dcn/24/11-24-1585-01-00bn-non-primary-channel-access-operation-npca-follow-up.pptx) Non-primary channel access operation (NPCA) follow-up Jeongki Kim
* Technical Submissions- Miscellaneous Part 1:
	+ ~~24/0815 Dynamic bandwidth selection signaling details Binita Gupta~~
	+ ~~24/1116 Operating bandwidth indication for UHR Vishnu Ratnam~~
	+ ~~24/1178 Considerations for proxy SCS Vishnu Ratnam~~
	+ [~~24/1276~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1276-00-00bn-transmission-enhancement-for-xr-use-case.pptx) ~~Transmission Enhancement for XR Use Case Guogang Huang~~
	+ [~~24/1414~~](https://mentor.ieee.org/802.11/dcn/24/11-24-1414-00-00bn-channel-measurement-based-on-control-frame-exchange.pptx) ~~Channel Measurement Based on Control Frame Exchange Guogang Huang~~
	+ [24/1449](https://mentor.ieee.org/802.11/dcn/24/11-24-1449-00-00bn-a-flexible-extension-structure.pptx) A Flexible Extension Structure Yongsen Ma
* AoB: None.
* Adjourn

\*Schedule in AM session.

### 6th Conf. Call: October 17 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
	+ POC/TTT assignment phase. Deadline was 10/15. Continued receiving requests for POC/TTT. POC to be added today at the latest during the call and TTT will continue to be processed as they come.
* POC/TTT Assignments (1 hr): [24/1698](https://mentor.ieee.org/802.11/dcn/24/11-24-1698-02-00bn-tgbn-d0-1-spec-text-volunteers-and-status.docx) – Continue/conclude next Thursday.
* Technical Submissions-Miscellaneous Part 2:
	+ [24/0815](https://mentor.ieee.org/802.11/dcn/24/11-24-0815-01-00bn-dynamic-bandwidth-selection-signaling-details.pptx) Dynamic bandwidth selection signaling details Binita Gupta
	+ [24/1276](https://mentor.ieee.org/802.11/dcn/24/11-24-1276-00-00bn-transmission-enhancement-for-xr-use-case.pptx) Transmission Enhancement for XR Use Case Guogang Huang
	+ [24/1414](https://mentor.ieee.org/802.11/dcn/24/11-24-1414-00-00bn-channel-measurement-based-on-control-frame-exchange.pptx) Channel Measurement Based on Control Frame Exchange Guogang Huang
	+ [24/1505](https://mentor.ieee.org/802.11/dcn/24/11-24-1505-00-00bn-txop-bandwidth-expansion-follow-up.pptx) TXOP bandwidth expansion - Follow up Sanghyun Kim
* AoB:
* Adjourn

### 6th Conf. Call: October 17 (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); 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 “TGbn <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 Dongguk Lim (dongguk.lim@lge.com), Sigurd Schelstraete (sschelstraete@maxlinear.com) and Tianyu Wu (tianyu@apple.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* POC/TTT Assignments (1 hr)
* Technical Submissions - DRU (Misc. and STF) + Preamble:
	+ [24/1097r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1097-00-00bn-thoughts-on-uhr-ltf-for-dru.pptx) Thoughts on UHR-LTF for DRU Eunsung Park [2 SPs]
	+ [24/1443](https://mentor.ieee.org/802.11/dcn/24/11-24-1443-03-00bn-dpwifi-reva.pptx) DPWiFi RevA Carlos Rios
	+ [24/1487](https://mentor.ieee.org/802.11/dcn/24/11-24-1487-00-00bn-ldpc-and-framing-settings-for-ultra-high-reliability.pptx) LDPC and Framing Settings for Ultra High Reliability Rainer Strobel
	+ [24/1492](https://mentor.ieee.org/802.11/dcn/24/11-24-1492-00-00bn-comparison-between-dynamic-and-fixed-start-csd-assignment.pptx) Comparison between Dyn. & Fixed Start CSD Assignment Bo Gong
	+ [24/1556](https://mentor.ieee.org/802.11/dcn/24/11-24-1556-01-00bn-thoughts-on-dru-availability-for-regulatory-compliance.pptx) Thoughts on DRU Availability for Regulatory Compliance Yusuke Asai
	+ 24/1586 Reducing CSD collisions for DRU STF Leonardo Lanante
	+ 24/1644 Compact User field encodings Brian Hart
	+ 24/1645 Compact User field encodings - detailed examples Brian Hart
* AoB:
* Adjourn

### 7th Conf. Call: October 21 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Straw Polls (30’):
	+ **SP1 (Sanket):** Do you agree that a TXOP owner AP announces its intention of sharing a portion of the time resource of its TXOP for C-TDMA operation, in an Initial Control frame (exact ICF and name TBD) sent at the beginning of the TXOP and that the frame polls AP(s) with whom it may share the TXOP to determine their interest?
		- A TXOP owner AP that intends to share its TXOP is referred to as a sharing AP.
		- A candidate AP identified (polled) in the Initial Control frame is referred to as a polled AP.
		- The Duration field of the frame is set to the length of time required to transmit the solicited response frame plus one SIFS.
		- Whether or not the sharing AP is mandated to send the Initial Control frame that announces that intention is TBD.

*Supporting documents: 11-23/1895, 11-24/0423, 11-24/1016, 11-24/1017, 11-24/1225*

* + **SP2 (Sanket):** Do you agree that, as part of the C-TDMA procedure, a candidate AP that is polled by the sharing AP shall provide, via a response,
		- Its intention not to participate in TXOP sharing during the current TXOP.
		- Its intention to participate in TXOP sharing during the current TXOP.
		- Signaling details (including traffic indication) are TBD.

*Supporting documents: 11-23/1895, 11-24/0423, 11-24/1016, 11-24/1017, 11-24/1225*

* + **SP3 (Sanket):** Do you agree that a UHR AP shall indicate to another AP its capability to respond in a TB PPDU or not?

 *Supporting documents: 11-23/1895, 11-24/0423, 11-24/1016, 11-24/1017, 11-24/1225*

* **SP4 (Sanket):** Do you agree that, as part of the C-TDMA procedure, a sharing AP may solicit a poll response in a TB PPDU from another AP only if the other AP has indicated support for responding via a TB PPDU?

*Supporting documents: 11-23/1895, 11-24/0423, 11-24/1016, 11-24/1017, 11-24/1225*

* Technical Submissions-Miscellaneous Part 2:
	+ [24/1414](https://mentor.ieee.org/802.11/dcn/24/11-24-1414-00-00bn-channel-measurement-based-on-control-frame-exchange.pptx) Channel Measurement Based on Control Frame Exchange Guogang Huang
	+ [24/1505](https://mentor.ieee.org/802.11/dcn/24/11-24-1505-00-00bn-txop-bandwidth-expansion-follow-up.pptx) TXOP bandwidth expansion - Follow up Sanghyun Kim
* Technical Submissions-DSO:
	+ [24/1157](https://mentor.ieee.org/802.11/dcn/24/11-24-1157-00-00bn-discussions-on-dynamic-subchannel-operation.pptx) Discussions on Dynamic Subchannel Operation Hyeonjun Sung
	+ [24/1474](https://mentor.ieee.org/802.11/dcn/24/11-24-1474-00-00bn-some-thoughts-on-dso.pptx) Some thoughts on DSO Li Quan
	+ [24/1553](https://mentor.ieee.org/802.11/dcn/24/11-24-1553-00-00bn-dso-follow-up.pptx) DSO follow up Gaurang Naik
	+ [24/1564](https://mentor.ieee.org/802.11/dcn/24/11-24-1564-01-00bn-dso-follow-up.pptx) DSO follow up Liwen Chu
	+ ~~24/1587 Discussion on DSO Operation Kaiying Lu~~
	+ ~~24/1588 DSO Configurations Shubhodeep Adhikari~~
		- Requested to be presented in AM sessions
	+ [24/1589](https://mentor.ieee.org/802.11/dcn/24/11-24-1589-00-00bn-dynamic-subband-operation-follow-up.pptx) Dynamic Subband Operation, follow up Morteza Mehrnoush
* AoB:
* Adjourn

### 8th Conf. Call: October 24 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions – DSO + Power Save + Feedback:
	+ 24/1588 DSO Configurations Shubhodeep Adhikari
	+ 24/1240 Thoughts on AP Power Saving Rubayet Shafin
	+ [24/1261](https://mentor.ieee.org/802.11/dcn/24/11-24-1261-00-00bn-considerations-on-client-power-save-for-11bn.pptx) Considerations on Client Power Save for 11bn Liuming Lu
	+ 24/1502 Discussion on AP Power Save SunHee Baek
	+ [24/1512](https://mentor.ieee.org/802.11/dcn/24/11-24-1512-00-00bn-high-capability-protection-in-dps.pptx) High-Capability Protection in DPS Maolin Zhang
	+ 24/1602 Power Save Enhancements in UHR Kumail Haider
	+ [24/1123](https://mentor.ieee.org/802.11/dcn/24/11-24-1123-00-00bn-client-experience-reporting.pptx) Client Experience Reporting Brian Hart
	+ [24/0963](https://mentor.ieee.org/802.11/dcn/24/11-24-0963-00-00bn-enhancement-of-bsr-follow-up.pptx) Enhancement of BSR follow-up Frank Hsu
* AoB:
* Adjourn

### 9th Conf. Call: October 28 (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); 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 “TGbn <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 Xiaofei Wang (xiaofei.wang@interdigital.com), Srinivas Kandala (srini.k1@samsung.com), and Jeongki Kim (jeongki.kim.ieee@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions-Coexistence:
	+ [24/1221](https://mentor.ieee.org/802.11/dcn/24/11-24-1221-01-00bn-icf-icr-follow-up.pptx) ICF ICR follow up Liwen Chu
	+ [24/1226](https://mentor.ieee.org/802.11/dcn/24/11-24-1226-00-00bn-icf-icr-design.pptx) ICF-ICR design Cariou, Laurent
	+ [24/1247](https://mentor.ieee.org/802.11/dcn/24/11-24-1247-00-00bn-icf-icr-design-for-coex.pptx) ICF ICR Design For Coex Abdel Ajami
	+ 24/1309 IDC Operation Follow-Up Jeongki Kim
	+ 24/1421 Follow-up on Peer-to-Peer TWT for Handling Co-Ex Rubayet Shafin
	+ [24/1445](https://mentor.ieee.org/802.11/dcn/24/11-24-1445-00-00bn-indication-for-coex-event.pptx) Indication for-coex-event Xiangxin Gu
	+ [24/1447](https://mentor.ieee.org/802.11/dcn/24/11-24-1447-00-00bn-in-device-coexistence-indication.pptx) In-Device Coexistence Indication Yongsen Ma
	+ 24/1448 Options for In-Device Coexistence Indication Yongsen Ma
	+ 24/1490 More Consideration of ICR/CRF for in-device-coexistence Hongwon Lee
	+ [24/1504](https://mentor.ieee.org/802.11/dcn/24/11-24-1504-00-00bn-considerations-on-aperiodic-in-device-coexistence.pptx) Considerations on Aperiodic In-device Coexistence Hyeonjun Sung
	+ [24/1531](https://mentor.ieee.org/802.11/dcn/24/11-24-1531-01-00bn-non-period-idc-signaling-enhancements.pptx) Non-period IDC signaling enhancements Michail Koundourakis
	+ [24/1547](https://mentor.ieee.org/802.11/dcn/24/11-24-1547-00-00bn-npca-operation-for-idc-management.pptx) NPCA Operation for IDC Management Juseong Moon
	+ [24/1550](https://mentor.ieee.org/802.11/dcn/24/11-24-1550-00-00bn-in-device-coexistence-follow-up.pptx) In-device coexistence follow up Abdel Karim Ajami
	+ 24/1558 in-device-coexistence-follow-up Sherief Helwa
	+ [24/1559](https://mentor.ieee.org/802.11/dcn/24/11-24-1559-00-00bn-in-device-coexistence-next-steps.pptx) In-device-coexistence next steps Sindhu Verma
	+ [24/1562](https://mentor.ieee.org/802.11/dcn/24/11-24-1562-00-00bn-in-device-coexistence-follow-up.pptx) in-device coexistence follow up Liwen Chu
* AoB:
* Adjourn

### 9th Conf. Call: October 28 (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); 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 “TGbn <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 Dongguk Lim (dongguk.lim@lge.com), Sigurd Schelstraete (sschelstraete@maxlinear.com) and Tianyu Wu (tianyu@apple.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Finalize POC Assignments (1 hr)
* Technical Submissions - DRU (Misc. and STF) + Preamble:
	+ [24/1097r0](https://mentor.ieee.org/802.11/dcn/24/11-24-1097-00-00bn-thoughts-on-uhr-ltf-for-dru.pptx) Thoughts on UHR-LTF for DRU Eunsung Park [2 SPs]
	+ [24/1443](https://mentor.ieee.org/802.11/dcn/24/11-24-1443-03-00bn-dpwifi-reva.pptx) DPWiFi RevA Carlos Rios
	+ [24/1487](https://mentor.ieee.org/802.11/dcn/24/11-24-1487-00-00bn-ldpc-and-framing-settings-for-ultra-high-reliability.pptx) LDPC and Framing Settings for Ultra High Reliability Rainer Strobel
	+ [24/1492](https://mentor.ieee.org/802.11/dcn/24/11-24-1492-00-00bn-comparison-between-dynamic-and-fixed-start-csd-assignment.pptx) Comparison between Dyn. & Fixed Start CSD Assignment Bo Gong
	+ [24/1556](https://mentor.ieee.org/802.11/dcn/24/11-24-1556-01-00bn-thoughts-on-dru-availability-for-regulatory-compliance.pptx) Thoughts on DRU Availability for Regulatory Compliance Yusuke Asai
	+ 24/1586 Reducing CSD collisions for DRU STF Leonardo Lanante
	+ [24/1644](https://mentor.ieee.org/802.11/dcn/24/11-24-1644-00-00bn-compact-user-field-encodings.pptx) Compact User field encodings Brian Hart
	+ [24/1645](https://mentor.ieee.org/802.11/dcn/24/11-24-1645-00-00bn-compact-user-field-encodings-detailed-examples.xlsx) Compact User field encodings - detailed examples Brian Hart
* AoB:
* Adjourn

### 10th Conf. Call: October 31 (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); 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 “TGbn <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 Yusuke Asai (yusuke.asai@ntt.com) and Alfred Asterjadhi (asterjadhi@gmail.com)
	+ Please ensure that the following information is listed correctly when joining the call:
		- "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions-Leftovers from MAC:
	+ [24/1499](https://mentor.ieee.org/802.11/dcn/24/11-24-1499-00-00bn-low-latency-bss-indication.pptx) Low Latency BSS Indication Akira Kishida [Q&A]
	+ [24/0888](https://mentor.ieee.org/802.11/dcn/24/11-24-0888-00-00bn-trigger-based-spatial-reuse-and-p2p-transmission.pptx) Trigger-based spatial reuse and P2P transmission Liuming Lu
	+ 24/1093 Special scenarios in Non-Primary Channel Access Sindhu Verma
	+ [24/1523](https://mentor.ieee.org/802.11/dcn/24/11-24-1523-00-00bn-npca-during-intra-bss-traffic-on-primary-channel.pptx) NPCA During Intra-BSS Traffic On Primary Channel Charlie Pettersson
	+ …
* AoB:
* Adjourn

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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**

### Participation in IEEE 802 Meetings

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

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

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

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

### Other guidelines for IEEE WG meetings

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

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

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

### IEEE SA Copyright Policy

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

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

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

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

IEEE SA Copyright Permission

* [http:/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:/s**[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>