IEEE P802.11  
Wireless LANs

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| TGbn January to March 2024 teleconference agendas | | | | |
| Date: 2024-02-26 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the draft agenda for January to March 2024 TGbn teleconferences.

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Fixed order of ad-hoc chairs/secretaries and added a missing submission.
* Rev 2: Updated first conf call agendas.
* Rev 3: Updated after first and second conf call agendas. 3rd PHY ad-hoc call is cancelled.
* Rev 4: Updated after the third conf call agendas.
* Rev 5: Updated with new requests. 4th PHY ad-hoc call is cancelled.
* Rev 6-8: Updated with new requests/including deferral requests. 6th PHY ad-hoc call is cancelled.
* Rev 9-10: Updated agendas for 7th and 8th conf calls. 7th PHY ad-hc call is cancelled. Also included new submissions requests.
* Rev 11: Updated after the last conf call.

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| **TG Chair:** Alfred Asterjadhi (Qualcomm 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 Doe (Affiliation)”

## Teleconferences Overview

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

**Feb 01 (Thursday) – Joint 10:00-12:00 ET**

**Feb 05 (Monday) – MAC/PHY 19:00-21:00 ET**

**Feb 08 (Thursday) – No Conf Call Holiday**

**Feb 12 (Monday) – No Conf Call Holiday**

**Feb 15 (Thursday) – No Conf Call Holiday**

**Feb 19 (Monday) – No Conf Call Holiday**

**Feb 22 (Thursday) – MAC/PHY 10:00-12:00 ET**

**Feb 26 (Monday) – Joint 19:00-21:00 ET**

**Feb 29 (Thursday) – MAC/PHY 10:00-12:00 ET**

**Mar 04 (Monday) – MAC/PHY 19:00-21:00 ET**

**Mar 07 (Thursday) – Joint 10:00-12:00 ET**

**We’ll use the following bridges:**

* Bridge for **JOINT and MAC: Webex meeting (802 Seat 3):** See *e-mail sent to reflector*
  + Meeting number: *Please refer to e-mail sent to reflector.*
  + Meeting password: wireless
* Bridge for **PHY:** **Webex meeting (802 Seat 4):** See *e-mail sent to reflector.*
  + Meeting number: *Please refer to e-mail sent to reflector.*
  + Meeting password: wireless

## Technical Submissions Queues

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| **DCN** | **Title** | **Author** | **Status** | **Topic** | **Session** |
| [23/1187](https://mentor.ieee.org/802.11/dcn/23/11-23-1187-00-0wng-band-management-challenges-for-802-11be-and-beyond.pptx) | Coordinated Medium Access for Multi-AP Deployments | Giovanni Chisci | Presented  Pending SP (2) | CMA | Joint |
| [23/1886](https://mentor.ieee.org/802.11/dcn/23/11-23-1886-02-00bn-preemption-techniques-to-meet-low-latency-ll-targets.pptx) | Preemption techniques to meet low-latency (LL) targets | Giovanni Chisci | Presented | Preemption | MAC |
| [23/1891](https://mentor.ieee.org/802.11/dcn/23/11-23-1891-00-00bn-nonprimary-channel-access-follow-up.pptx) | Nonprimary channel access – follow up | Gaurang Naik | Presented | NPCA | MAC |
| [23/1892](https://mentor.ieee.org/802.11/dcn/23/11-23-1892-00-00bn-thoughts-on-dynamic-subchannel-operation.pptx) | Thoughts on Dynamic Subchannel Operation | Gaurang Naik | Presented | DSO | MAC |
| [23/1896](https://mentor.ieee.org/802.11/dcn/23/11-23-1896-01-00bn-signaling-details-for-header-protection.pptx) | Signaling details for header protection | Abhishek Patil | Pending | Header Security | MAC |
| [23/1909](https://mentor.ieee.org/802.11/dcn/23/11-23-1909-00-00bn-transmission-method-of-low-latency-traffic.pptx) | Transmission Method of Low Latency Traffic | Insun Jang | Presented | Preemption | MAC |
| [23/1913](https://mentor.ieee.org/802.11/dcn/23/11-23-1913-01-00bn-secondary-channel-access-operation.pptx) | Secondary Channel Access Operation | Dongju Cha | Presented | DSO | MAC |
| [23/1915](https://mentor.ieee.org/802.11/dcn/23/11-23-1915-00-00bn-enhanced-security-for-control-frame-in-11bn.pptx) | Enhanced Security for Control frame in 11bn | SunHee Baek | Presented | Control Security | MAC |
| [23/1920](https://mentor.ieee.org/802.11/dcn/23/11-23-1920-02-00bn-managed-networks-under-highly-congested-scenarios.pptx) | Managed Networks under highly congested scenarios | Iñaki Val Beitia | Presented | MAP | Joint |
| [23/1933](https://mentor.ieee.org/802.11/dcn/23/11-23-1933-00-00bn-security-enhancement-follow-up.pptx) | Security enhancement follow up | Liwen Chu | Presented | Control Security | MAC |
| [23/1934](https://mentor.ieee.org/802.11/dcn/23/11-23-1934-00-00bn-in-device-interference-mitigation-follow-up.pptx) | In-device interference mitigation follow up | Liwen Chu | Presented | Coexistence | MAC |
| [23/1935](https://mentor.ieee.org/802.11/dcn/23/11-23-1935-00-00bn-secondary-channel-usage-follow-up.pptx) | Secondary channel usage follow up | Liwen Chu | Presented | DSO | MAC |
| [23/1939](https://mentor.ieee.org/802.11/dcn/23/11-23-1939-00-00bn-priority-based-preemption-method.pptx) | Priority Based Preemption Method | Ronny Y. Kim | Presented | Preemption | MAC |
| [23/1950](https://mentor.ieee.org/802.11/dcn/23/11-23-1950-00-00bn-considerations-on-preemption-request.pptx) | Considerations on Preemption Request | Leonardo Lanante | Presented | Preemption | MAC |
| [23/1951](https://mentor.ieee.org/802.11/dcn/23/11-23-1951-00-00bn-concurrent-cca-for-non-primary-channel-access.pptx) | Concurrent CCA for Non-Primary Channel Access | Leonardo Lanante | Presented | NPCA | MAC |
| [23/1952](https://mentor.ieee.org/802.11/dcn/23/11-23-1952-02-00bn-coordinated-r-twt-for-multi-ap-scenarios-follow-up.pptx) | Coordinated R-TWT for Multi-AP scenarios-Follow up | Liuming Lu | Presented | C-RTWT | MAC |
| ~~23/1956~~ | ~~C-TDMA TXOP protection~~ | ~~Kiseon Ryu~~ | ~~Withdrawn~~ | ~~C-TDMA~~ | ~~Joint~~ |
| [23/1960](https://mentor.ieee.org/802.11/dcn/23/11-23-1960-01-00bn-enhanced-replay-detection-for-header-protection.pptx) | Enhanced replay detection for header protection | Abhishek Patil | Pending | Header Security | MAC |
| [23/1963](https://mentor.ieee.org/802.11/dcn/23/11-23-1963-00-00bn-periodical-nss-adjustment-for-an-mld.pptx) | Periodical NSS Adjustment for an MLD | Yunbo Li | Pending | Parameter Update | MAC |
| [23/1964](https://mentor.ieee.org/802.11/dcn/23/11-23-1964-01-00bn-coexistence-protocols-for-uhr.pptx) | Coexistence Protocols for UHR | George Cherian | Presented | Coexistence | MAC |
| [23/1967](https://mentor.ieee.org/802.11/dcn/23/11-23-1967-00-00bn-trigger-based-uplink-adapted-transmission.pptx) | Trigger based uplink adapted transmission | Ming Gan | Presented | UL MU | Joint |
| [23/1972](https://mentor.ieee.org/802.11/dcn/23/11-23-1972-01-00bn-evaluation-of-coordinated-spatial-reuse-follow-up.pptx) | Evaluation of Coordinated Spatial Reuse - Follow Up | Kosuke Aio | Presented | C-SR | Joint |
| [23/1995](https://mentor.ieee.org/802.11/dcn/23/11-23-1995-00-00bn-trigger-ba-and-bar-protection.pptx) | Trigger, BA, and BAR Protection | Po-Kai Huang | Presented | Control Security | MAC |
| [23/1997](https://mentor.ieee.org/802.11/dcn/23/11-23-1997-00-00bn-mac-header-protection.pptx) | MAC header protection | Po-Kai Huang | Pending | Header Security | MAC |
| [23/2001](https://mentor.ieee.org/802.11/dcn/23/11-23-2001-00-00bn-secure-control-frames-follow-up.pptx) | Secure Control frames - Follow up | Abhishek Patil | Presented | Control Security | MAC |
| [23/2002](https://mentor.ieee.org/802.11/dcn/23/11-23-2002-01-00bn-in-device-coexistence-and-interference-follow-up.pptx) | In-device coexistence and interference follow-up | Cariou, Laurent | Schedule F2F | Coexistence | MAC |
| [23/2005](https://mentor.ieee.org/802.11/dcn/23/11-23-2005-01-00bn-non-primary-channel-access-npca.pptx) | Non-primary channel access (NPCA) | Minyoung Park | Presented | NPCA | MAC |
| ~~23/2006~~ | ~~Non-primary link access for mobile AP MLD~~ | ~~Minyoung Park~~ | ~~Postponed~~ | ~~NPCA~~ | ~~MAC~~ |
| [23/2007](https://mentor.ieee.org/802.11/dcn/23/11-23-2007-00-00bn-enhancement-of-bsr.pptx) | Enhancement of BSR | Frank Hsu | Pending | Feedback | MAC |
| [23/2023](https://mentor.ieee.org/802.11/dcn/23/11-23-2023-00-00bn-further-discussion-on-non-primary-channel-access.pptx) | Further discussion on Non-Primary Channel Access | Sindhu Verma | Pending | NPCA | MAC |
| [23/2026](https://mentor.ieee.org/802.11/dcn/23/11-23-2026-00-00bn-balanced-wireless-in-device.pptx) | Balanced Wireless In-Device | Brian Hart | Pending Q&A | Coexistence | MAC |
| [23/2027](https://mentor.ieee.org/802.11/dcn/23/11-23-2027-02-00bn-considerations-for-dso-sub-band-switch-delay.pptx) | Considerations for DSO sub-band switch delay | Vishnu Ratnam | Presented | DSO | MAC |
| ~~23/2039~~ | ~~Secondary channel usage follow up~~ | ~~Liwen Chu~~ | ~~Not In Server~~ | ~~DSO~~ | ~~MAC~~ |
| [23/2063](https://mentor.ieee.org/802.11/dcn/23/11-23-2063-00-00bn-enhanced-acknowledgement-for-low-latency-communication-follow-up.pptx) | Enhanced Acknowledgement for Low Latency Communication Follow-Up | Tuncer Baykas | Pending | Acknowledgment | MAC |
| [~~23/2076~~](https://mentor.ieee.org/802.11/dcn/23/11-23-2076-03-00bn-multiple-channel-access-in-preemption-sequence.pptx) | ~~Multiple Channel Access in Preemption Sequence~~ | ~~Juseong Moon~~ | ~~Withdrawn~~ | ~~Preemption~~ | ~~MAC~~ |
| [23/2084](https://mentor.ieee.org/802.11/dcn/23/11-23-2084-00-00bn-enhanced-r-twt-for-uhr.pptx) | Enhanced R-TWT for UHR | Jeongki Kim | Presented | C-RTWT | Joint |
| [23/2126](https://mentor.ieee.org/802.11/dcn/23/11-23-2126-00-00bn-low-latency-channel-access-follow-up.pptx) | Low latency channel access follow up | Dmitry Akhmetov | Pending | Channel Access | MAC |
| [23/2127](https://mentor.ieee.org/802.11/dcn/23/11-23-2127-00-00bn-11bn-power-save.pptx) | 11bn Power Save | Jeongki Kim | Pending | Power Save | MAC |
| [23/2141](https://mentor.ieee.org/802.11/dcn/23/11-23-2141-02-00bn-further-discussion-on-dynamic-subband-operation.pptx) | Further discussion on Dynamic Subband Operation | Shubhodeep Adhikari | Presented | DSO | MAC |
| [~~23/2142~~](https://mentor.ieee.org/802.11/dcn/23/11-23-2142-00-00bn-txop-adjustment-for-inter-bss-r-twt-schedule-protection.pptx) | ~~TXOP Adjustment for Inter-BSS R-TWT Schedule Protection~~ | ~~Dana Ciochina~~ | ~~Postponed~~ | ~~C-RTWT~~ | ~~Joint~~ |
| [24/410r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0410-00-00bn-qos-based-spatial-reuse.pptx) | QoS based Spatial Reuse | Presented | Pending | SR | Joint |
| [23/2147](https://mentor.ieee.org/802.11/dcn/23/11-23-2147-00-00bn-improved-uhr-seamless-roaming-for-multi-link-device.pptx) | Improved UHR Seamless Roaming for MLD | Hui Che | Pending | Roaming | MAC |
| [23/2150](https://mentor.ieee.org/802.11/dcn/23/11-23-2150-00-00bn-low-sta-cost-uhr-seamless-roaming-for-multi-link-device.pptx) | Low STA Cost UHR Seamless Roaming for MLD | Hui Che | Pending | Roaming | MAC |
| ~~23/2193~~ | ~~L4S Simulation Results~~ | ~~Lili Hervieu~~ | ~~Withdrawn~~ | ~~Misc.~~ | ~~Joint~~ |
| [23/2211](https://mentor.ieee.org/802.11/dcn/23/11-23-2211-00-00bn-txop-bandwidth-expansion.pptx) | TXOP bandwidth expansion | Shawn Kim | Pending | Channel Access | MAC |
| [23/2217](https://mentor.ieee.org/802.11/dcn/23/11-23-2217-00-00bn-some-thoughts-on-relay-improvement.pptx) | Some thoughts on relay improvement | Jay Yang | Pending | Relay | MAC |
| **Submissions (First Cut-Off)** | | | | | |
| [24/0025](https://mentor.ieee.org/802.11/dcn/24/11-24-0025-00-00bn-phy-modifications-for-high-mobility-stas.pptx) | PHY modifications for high-mobility STAs | Azin Neishaboori | Pending  March F2F | Pilot Tones | PHY |
| [24/0031](https://mentor.ieee.org/802.11/dcn/24/11-24-0031-00-00bn-deterministic-backoff.pptx) | Deterministic Backoff | Menzo Wentink | Pending  (Thursdays) | Channel Access | MAC |
| [24/0041](https://mentor.ieee.org/802.11/dcn/24/11-24-0041-09-00bn-dpwifi-matlab-validation.pptx) | DPWiFi MATLAB Validation | Carlos Rios | Presented | MIMO | PHY |
| [24/0042](https://mentor.ieee.org/802.11/dcn/24/11-24-0042-00-00bn-thoughts-on-flexible-control-frames.pptx) | Thoughts on Flexible Control frames | George Cherian | Pending | Feedback | MAC |
| [24/0050](https://mentor.ieee.org/802.11/dcn/24/11-24-0050-00-00bn-coordinated-spatial-reuse-types.pptx) | Coordinated Spatial Reuse Types | Hassan Omar | Presented | C-SR | Joint |
| [24/0052](https://mentor.ieee.org/802.11/dcn/24/11-24-0052-00-00bn-seamless-roaming-details.pptx) | Seamless Roaming details | Duncan Ho | Pending | Roaming | MAC |
| [24/0073](https://mentor.ieee.org/802.11/dcn/24/11-24-0073-00-00bn-thoughts-on-proxy-scs.pptx) | Thoughts on proxy SCS | Guogang Huang | Pending | QoS | MAC |
| [24/0074](https://mentor.ieee.org/802.11/dcn/24/11-24-0074-00-00bn-relay-operation-follow-up.pptx) | Relay operation follow-up | Guogang Huang | Pending | Relay | MAC |
| [24/0078](https://mentor.ieee.org/802.11/dcn/24/11-24-0078-00-00bn-a-dru-design-approach-for-20-mhz.pptx) | A dRU Design Approach for 20 MHz | Thomas Handte | Presented | DRU | PHY |
| [24/0083](https://mentor.ieee.org/802.11/dcn/24/11-24-0083-00-00bn-smooth-roaming-follow-up-2.pptx) | Smooth roaming follow up 2 | Liwen Chu | Pending | Roaming | MAC |
| [24/0084](https://mentor.ieee.org/802.11/dcn/24/11-24-0084-00-00bn-considerations-on-multi-ap-operation-follow-up.pptx) | Considerations on Multi-AP Operation - Follow Up | Jiayi Zhang | Presented | MAP | Joint |
| [24/0086](https://mentor.ieee.org/802.11/dcn/24/11-24-0086-00-00bn-multi-ap-coordination-for-sta-re-association.pptx) | Multi-AP Coordination for STA (Re)Association | Jiayi Zhang | Presented | MAP | Joint |
| [24/0088](https://mentor.ieee.org/802.11/dcn/24/11-24-0088-01-00bn-maximizing-channel-bandwidth-in-dense-ap-deployments.pptx) | Maximizing Channel Bandwidth In Dense AP Deployments | Malcolm Smith | Presented | MAP | Joint |
| [24/0090](https://mentor.ieee.org/802.11/dcn/24/11-24-0090-00-00bn-protected-low-latency-communications-for-mlo.pptx) | Protected Low Latency Communications for MLO | Serhat Erkucuk | Pending | Channel Access | MAC |
| [24/0091](https://mentor.ieee.org/802.11/dcn/24/11-24-0091-00-00bn-enhanced-scheduling-method-for-low-latency-traffic-follow-up.pptx) | Enhanced Scheduling Method for Low Latency Traffic – Follow Up | Serhat Erkucuk | Pending | Preemption | MAC |
| [24/0093](https://mentor.ieee.org/802.11/dcn/24/11-24-0093-01-00bn-nav-setting-for-coordinated-tdma.pptx) | C-TDMA NAV setting | Dibakar Das | Deferred | C-TDMA | Joint |
| [24/0094](https://mentor.ieee.org/802.11/dcn/24/11-24-0094-00-00bn-probe-before-talk-and-unsolicited-unavailability-announcement-for-co-ex-management.pptx) | Probe-before-Talk and Unsolicited Unavailability Announcement for Co-ex Management | Qi Wang | Pending | Coex | MAC |
| [24/0095](https://mentor.ieee.org/802.11/dcn/24/11-24-0095-00-00bn-efficient-coordinated-spatial-reuse-follow-up.pptx) | Efficient Coordinated Spatial Reuse Follow Up | Leonardo Lanante | Presented | C-SR | Joint |
| [24/0097](https://mentor.ieee.org/802.11/dcn/24/11-24-0097-00-00bn-ap-power-management-follow-up.pptx) | AP Power Management - Follow up | Yongsen Ma | Pending | Power Save | MAC |
| [24/0101](https://mentor.ieee.org/802.11/dcn/24/11-24-0101-00-00bn-mld-roaming.pptx) | MLD Roaming | Gabor Bajko | Pending | Roaming | MAC |
| [24/0102](https://mentor.ieee.org/802.11/dcn/24/11-24-0102-00-00bn-multi-ap-coordinated-puncturing.pptx) | Multi-AP Coordinated Puncturing | Shawn Kim | Pending | MAP-CMA | Joint |
| [24/0103](https://mentor.ieee.org/802.11/dcn/24/11-24-0103-00-00bn-txop-level-preemption-for-low-latency-application-in-802-11bn.pptx) | TXOP level preemption for Low latency application in 802.11bn | Juan Fang | Pending | Preemption | MAC |
| [24/0105](https://mentor.ieee.org/802.11/dcn/24/11-24-0105-00-00bn-txop-for-relay-communication-in-11bn.pptx) | TXOP for Relay communication in 11bn | Dongguk Lim | Pending | Relay | Joint |
| [24/0106](https://mentor.ieee.org/802.11/dcn/24/11-24-0106-00-00bn-seamless-roaming-consideration.pptx) | Seamless Roaming Consideration | Hitoshi MORIOKA | Pending | Roaming | MAC |
| [24/0107](https://mentor.ieee.org/802.11/dcn/24/11-24-0107-00-00bn-phy-layer-interference-mitigation-for-improved-reliability.pptx) | PHY Layer Interference Mitigation for Improved Reliability | Shimi Shilo | Presented | Reliability | PHY |
| [24/0108](https://mentor.ieee.org/802.11/dcn/24/11-24-0108-00-00bn-triggered-beamforming-in-tgbn-follow-up.pptx) | Triggered Beamforming in TGbn - Follow Up | Shimi Shilo | Pending | Beamforming | Joint |
| [24/0110](https://mentor.ieee.org/802.11/dcn/24/11-24-0110-00-00bn-regarding-mpdu-identification-issue-in-cross-link-error-recovery.pptx) | Regarding MPDU Identification Issue in Cross Link Error Recovery | Juseong Moon | Pending | Acknowledgment | MAC |
| [24/0114](https://mentor.ieee.org/802.11/dcn/24/11-24-0114-01-00bn-thoughts-on-power-control-for-csr.pptx) | Thoughts on Power Control for CSR | Wook Bong Lee | Presented | C-SR | Joint |
| [24/0119](https://mentor.ieee.org/802.11/dcn/24/11-24-0119-00-00bn-enhanced-hcca-for-controlled-uhr-scenarios.pptx) | Enhanced HCCA for Controlled UHR Scenarios | Salvatore Talarico | Pending | Channel Access | MAC |
| [24/0187](https://mentor.ieee.org/802.11/dcn/24/11-24-0187-00-00bn-clarifications-on-the-ldpc-rate-matching.pptx) | Clarifications on the LDPC rate matching | Xiaogang Chen | Pending | LDPC | PHY |
| **(Second Cut-Off) Submissions** | | | | | |
| [23/2078](https://mentor.ieee.org/802.11/dcn/23/11-23-2078-03-00bn-coex-enhancement-for-xr-use-cases.pptx) | Coex Enhancement for XR Use Cases | Guoqing Li | Pending | Coexistence | MAC |
| 23/2152 | UHR Mobility Improvement | Yonggang Fang | Pending | Roaming | MAC |
| 23/2153 | UHR transmission reliability improvement | Yonggang Fang | Pending | ?? | ?? |
| [24/0070](https://mentor.ieee.org/802.11/dcn/24/11-24-0070-00-00bn-some-details-about-non-primary-channel-access.pptx) | Some details about non-primary channel access | Yunbo Li | Pending | NPCA | MAC |
| [24/0067](https://mentor.ieee.org/802.11/dcn/24/11-24-0067-00-00bn-range-expansion-via-repeated-transmission.pptx) | Range Expansion via Repeated Transmission | Nima Namvar | Pending | Relay | MAC |
| 24/0131 | Signaling of Preemption | Insun Jang | Pending | Preemption | MAC |
| 24/0132 | Preemptive access for UL low latency transmission | Yonggang Fang | Pending | Preemption | MAC |
| [24/0142](https://mentor.ieee.org/802.11/dcn/24/11-24-0142-00-00bn-residual-interference-in-cbf.pptx) | Residual Interference in CBF | Dana Ciochina | Pending | CBF | Joint |
| 24/0151 | Establishment of Security Key for Control frame | SunHee Baek | Pending | Security | MAC |
| 24/0160 | R-TWT Coordination Negotiation in Multi-BSS | SunHee Baek | Pending | C-RTWT | Joint |
| 24/0161 | R-TWT Announcement in Multi-BSS | SunHee Baek | Pending | C-RTWT | Joint |
| [24/0176](https://mentor.ieee.org/802.11/dcn/24/11-24-0176-01-00bn-unequal-modulation-over-spatial-streams.pptx) | Unequal Modulation over Spatial Streams | Hao Song | Presented | UEM | PHY |
| [24/0168](https://mentor.ieee.org/802.11/dcn/24/11-24-0168-00-00bn-txop-preemption-in-11bn.pptx) | TXOP preemption in 11bn | Kiseon Ryu | Pending | Preemption | MAC |
| 24/0224 | Discussion on A-PPDU follow-up | Ross Jian Yu | Pending | A-PPDU | PHY |
| 24/0264 | Timing Information Sharing for Next Generation WLANs | Peshal Nayak | Pending | Feedback | MAC |
| [24/0284](https://mentor.ieee.org/802.11/dcn/24/11-24-0284-00-00bn-low-latency-low-collision-low-power-uhr-medium-access.pptx) | Low latency, low collision, low power UHR medium access | Sean Coffey | Pending | Preemption | Joint |
| 24/0299 | Initial ctrl frame for BW switching modes | Vishnu Ratnam | Pending | Miscellaneous | MAC |
| 24/0317 | Coordinated Transmission ID | Yanchun Li | Pending | MAP | Joint |
| 24/0318 | Robust Secondary Channel Access | Yanchun Li | Pending | DSO | MAC |
| [24/0332](https://mentor.ieee.org/802.11/documents?is_dcn=332&is_group=00bn) | Discussion on DRUs | Brian Hart | Pending | DRU | PHY |
| 24/0349 | Enhanced Fast BSS Transition | Guogang Huang | Pending | Roaming | MAC |
| [24/0352](https://mentor.ieee.org/802.11/dcn/24/11-24-0352-00-00bn-enabling-unscheduling-ap-ps-follow-up.pptx) | Enabling Unscheduling AP PS Follow-up | Guogang Huang | Pending | Power Save | MAC |
| 24/0382 | Further Considerations on Coordinated TDMA | Serhat Erkucuk | Pending | C-TDMA | MAC |
| 24/0384 | Low Latency Based on L4S | Yan Li | Pending | L4S | Joint |
| 24/0385 | Discussion on 11bn Relay Operation | Kosuke Aio | Pending | Relay | MAC |
| 24/0386 | Lower MAC Relay Follow-Up | Kiseon Ryu | Pending | Relay | MAC |
| 24/0387 | TXOP Sharing for C-BF Transmission | Kiseon Ryu | Pending | CBF | MAC |
| 24/0388 | Impact of Network Topology on Coordinated R-TWT | Xia, Qing | Pending | C-RTWT | Joint |
| 24/0389 | Preemption for Low Latency | Mohamed Abouelseoud | Pending | Preemption | MAC |
| [24/0390](https://mentor.ieee.org/802.11/dcn/24/11-24-0390-00-00bn-a-uniform-procedure-for-preemption.pptx) | A Uniform Procedure for Preemption | Yunbo Li | Pending | Preemption | MAC |
| [24/0391](https://mentor.ieee.org/802.11/dcn/24/11-24-0391-00-00bn-legacy-sta-and-obss-issues-for-preemption.pptx) | Legacy STA and OBSS Issues for Preemption | Yunbo Li | Pending | Preemption | MAC |
| 24/0392 | Enhancements on Base-Channel Peer-to-peer (P2P) Communications | Rubayet Shafin | Pending | Peer-to-Peer | MAC |
| 24/0393 | Enhancements on Off-Channel Peer-to-peer (P2P) Communications | Rubayet Shafin | Pending | Peer-to-Peer | MAC |
| 24/0395 | MU CSI Feedback Type for Non-TB Sounding | Junghoon Suh | Pending | Sounding | PHY |
| 24/0400 | Hybrid PPDU and Distribution Bandwidth for DRU | Eunsung Park | Pending | DRU | PHY |
| 24/0401 | Multiple DRU Follow Up | Eunsung Park | Pending | DRU | PHY |
| 24/0402 | 20 MHz Tone Plan and Pilot Design for DRU | Eunsung Park | Pending | DRU | PHY |
| 24/0403 | Managed on-channel P2P communication | Inaki Val | Pending | Peer-to-Peer | MAC |
| 24/0405 | Managed Networks under highly congested scenarios - Follow up | Inaki Val | Pending | MAP | Joint |
| 24/0407 | R-TWT Multi-AP Coordination - Follow up | Kumail Haider | Pending | C-RTWT | Joint |
| 24/0408 | Enhancements on TWT SP Management | Kumail Haider | Pending | Miscellaneous | MAC |
| [24/0409](https://mentor.ieee.org/802.11/dcn/24/11-24-0409-00-00bn-hierarchical-modulation-for-802-11.pptx) | Hierarchical Modulation for 802.11 | Vamadevan Namboodiri | Pending | Modulation | PHY |
| 24/0412 | Seamless Roaming Procedure Follow-Up | Yelin Yoon | Pending | Roaming | MAC |
| 24/0413 | Seamless Roaming Recommendation | Yelin Yoon | Pending | Roaming | MAC |
| 24/0414 | Improving acknowledgment mechanisms | Alfred Asterjadhi | Pending | Acknowledgment | MAC |
| 24/0416 | Target STA Prioritization in EDCA-based Preemption Mechanisms during a DL TXOP | Mingyu LEE | Pending | Preemption | MAC |
| 24/0420 | Enabling Flexible Coexistence Operation | Guogang Huang | Pending | Coexistence | MAC |
| 24/0428 | UHR preamble design options | Sigurd Schelstraete | Pending | Preamble | PHY |
| 24/0429 | Range Extension with dRU | Sigurd Schelstraete | Pending | DRU | PHY |
| 24/0431 | Signal for preemption request | Xiangxin Gu | Pending | Preemption | MAC |
| 24/0433 | Analysis on UEQM and UEQ MCS | Ross Jian Yu | Pending | UEQ MCS | PHY |
| 24/0435 | Ideas related to achieving (Ultra) High Reliability | Leif Wilhelmsson | Pending | Misc. | PHY |
| 24/0437 | Interference Mitigation for Improved Reliability – More Insights | Shimi Shilo | Pending | Misc. | PHY |
| [24/0443](https://mentor.ieee.org/802.11/dcn/24/11-24-0443-00-00bn-discussion-on-bounded-delay-in-industrial-scenarios.pptx) | Discussion on Determining Latency in Industrial Scenarios | Yue Xu | Pending | Misc. | MAC |
| 24/0417 | Impact of Tx EVM on MIMO Detection Follow Up | Genadiy Tsodik | Pending | MIMO | PHY |
| 24/0442 | Latency reduction for immediate real-time application traffic transmission | Yue Qi | Pending | Preemption | MACs |
| 24/0375 | NAV protection for C-TDMA | Si-Chan Noh | Pending | C-TDMA | PHY |
| 24/438r0 | UEQM Benefit Analysis | Rainer Strobel | Pending | UEQ MCS | PHY |
| 24/439r0 | UEQM evaluation and simulation results | Rainer Strobel | Pending | UEQ MCS | PHY |
| 24/180r0 | Thoughts Beamforming | Xiaogang Chen | Pending | Beamforming | PHY |
| 24/449r0 | Considerations on Dynamic Subchannel Operation–Follow Up | Liuming Lu | Pending | DSO | MAC |
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| [23/1953](https://mentor.ieee.org/802.11/dcn/23/11-23-1953-00-00bn-two-dimensional-resource-allocation.pptx) | Two Dimensional Resource Allocation | Srinivas Kandala | Pending 1 SP  (TBC) | Preemption | Joint |
| [23/1954](https://mentor.ieee.org/802.11/dcn/23/11-23-1954-00-00bn-two-dimensional-a-ppdu.pptx) | Two Dimensional A-PPDU | Srini Kandala | Pending 1 SP  (TBC) | Preemption | Joint |
| See Title | [23/352](https://mentor.ieee.org/802.11/dcn/23/11-23-0352-01-0uhr-enhanced-security-discussion.pptx), [23/356](https://mentor.ieee.org/802.11/dcn/23/11-23-0356-01-0uhr-mac-header-protection.pptx), [23/1102](https://mentor.ieee.org/802.11/dcn/23/11-23-1102-00-0uhr-security-enhancement-follow-up.pptx), [23/1888](https://mentor.ieee.org/802.11/dcn/23/11-23-1888-01-00bn-mac-header-protection-follow-up.pptx), [23/1914](https://mentor.ieee.org/802.11/dcn/23/11-23-1914-02-00bn-enhanced-security-considerations-in-uhr.pptx), [23/1997](https://mentor.ieee.org/802.11/dcn/23/11-23-1997-00-00bn-mac-header-protection.pptx) | Misc. | Pending  Converged SP | Header Security | MAC |
| See Title | [23/1908r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1908-02-00bn-seamless-roaming-procedure.pptx), [23/1884r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1884-02-00bn-seamless-roaming.pptx), [23/2157r2](https://mentor.ieee.org/802.11/dcn/23/11-23-2157-02-00bn-seamless-roaming-within-a-mobility-domain.pptx), [23/1996r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1996-00-00bn-improve-roaming-between-mlds.pptx), [23/322r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0322-00-0uhr-improve-roaming-between-mlds.pptx), [23/1937r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1937-01-00bn-smooth-roaming-follow-up-1.pptx), [23/1897r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1897-00-00bn-thoughts-on-improving-roaming-under-existing-architecture.pptx), [23/1898r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1898-02-00bn-signaling-details-for-non-colocated-ap-mld.pptx), [23/1971r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1971-02-00bn-further-thoughts-on-seamless-roaming.pptx) | Misc. | Pending  Converged SP | Roaming | MAC |
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| End Of Queue | | | | | |
| Notes: | | | | | |

## Teleconference Agendas

### 1st Conf. Call: January 29 (19:00–21:00 ET)–MAC

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
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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 Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)), Xiaofei Wang ([xiaofei.wang@interdigital.com](mailto:xiaofei.wang@interdigital.coma)) and Srinivas Kandala ([srini.k1@samsung.com](mailto:srini.k1@samsung.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions-Preemption:
  + [23/1886](https://mentor.ieee.org/802.11/dcn/23/11-23-1886-02-00bn-preemption-techniques-to-meet-low-latency-ll-targets.pptx) Preemption techniques to meet low-latency (LL) targets Giovanni Chisci
  + [23/1909](https://mentor.ieee.org/802.11/dcn/23/11-23-1909-00-00bn-transmission-method-of-low-latency-traffic.pptx) Transmission Method of Low Latency Traffic Insun Jang
  + [23/1939](https://mentor.ieee.org/802.11/dcn/23/11-23-1939-00-00bn-priority-based-preemption-method.pptx) Priority Based Preemption Method Ronny Y. Kim
  + [23/1950](https://mentor.ieee.org/802.11/dcn/23/11-23-1950-00-00bn-considerations-on-preemption-request.pptx) Considerations on Preemption Request Leonardo Lanante
* AoB:
* Adjourn

### 1st Conf. Call: January 29 (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:**
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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-Miscellaneous:
  + [24/0041](https://mentor.ieee.org/802.11/dcn/24/11-24-0041-09-00bn-dpwifi-matlab-validation.pptx) DPWiFi MATLAB Validation Carlos Rios
  + [24/0078](https://mentor.ieee.org/802.11/dcn/24/11-24-0078-00-00bn-a-dru-design-approach-for-20-mhz.pptx) A dRU Design Approach for 20 MHz Thomas Handte
  + [24/0107](https://mentor.ieee.org/802.11/dcn/24/11-24-0107-00-00bn-phy-layer-interference-mitigation-for-improved-reliability.pptx) PHY Layer Interference Mitigation for Improved Reliability Shimi Shilo
  + [24/0176](https://mentor.ieee.org/802.11/dcn/24/11-24-0176-01-00bn-unequal-modulation-over-spatial-streams.pptx) Unequal Modulation over Spatial Streams Hao Song
* AoB:
* Adjourn

### 2nd Conf. Call: February 1 (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:**
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    - 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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* 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: None.
* Technical Submissions-MAP/Coordination:
  + [23/1952](https://mentor.ieee.org/802.11/dcn/23/11-23-1952-02-00bn-coordinated-r-twt-for-multi-ap-scenarios-follow-up.pptx) Coordinated R-TWT for Multi-AP scenarios - Follow up Liuming Lu [Cont.]
  + [23/1920](https://mentor.ieee.org/802.11/dcn/23/11-23-1920-02-00bn-managed-networks-under-highly-congested-scenarios.pptx) Managed Networks under highly congested scenarios Iñaki Val Beitia
  + ~~23/1956 C-TDMA TXOP protection Kiseon Ryu~~
  + [23/1972](https://mentor.ieee.org/802.11/dcn/23/11-23-1972-01-00bn-evaluation-of-coordinated-spatial-reuse-follow-up.pptx) Evaluation of Coordinated Spatial Reuse - Follow Up Kosuke Aio
  + [23/2084](https://mentor.ieee.org/802.11/dcn/23/11-23-2084-00-00bn-enhanced-r-twt-for-uhr.pptx) Enhanced R-TWT for UHR Jeongki Kim
  + [~~23/2142~~](https://mentor.ieee.org/802.11/dcn/23/11-23-2142-00-00bn-txop-adjustment-for-inter-bss-r-twt-schedule-protection.pptx) ~~TXOP Adjustment for Inter-BSS R-TWT Schedule Protection Dana Ciochina~~
* AoB:
* Adjourn

### 3rd Conf. Call: February 5 (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:**
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    - 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>
  + Please record your attendance during the conference call by using the IMAT system:
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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 – NPCA/DSO:
  + [23/1891](https://mentor.ieee.org/802.11/dcn/23/11-23-1891-00-00bn-nonprimary-channel-access-follow-up.pptx) Nonprimary channel access – follow up Gaurang Naik
  + [23/1951](https://mentor.ieee.org/802.11/dcn/23/11-23-1951-00-00bn-concurrent-cca-for-non-primary-channel-access.pptx) Concurrent CCA for Non-Primary Channel Access Leonardo Lanante
  + [23/2005](https://mentor.ieee.org/802.11/dcn/23/11-23-2005-01-00bn-non-primary-channel-access-npca.pptx) Non-primary channel access (NPCA) Minyoung Park
  + ~~23/2006 Non-primary link access for mobile AP MLD Minyoung Park~~
  + [23/1892](https://mentor.ieee.org/802.11/dcn/23/11-23-1892-00-00bn-thoughts-on-dynamic-subchannel-operation.pptx) Thoughts on Dynamic Subchannel Operation Gaurang Naik
* AoB:
* Adjourn

### 3rd Conf. Call: February 5 (19:00–21:00 ET)–PHY

* **CANCELLED**

### 4th Conf. Call: February 22 (10:00–12:00 ET)–MAC

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy: Ways to inform IEEE:**
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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 Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)), Xiaofei Wang ([xiaofei.wang@interdigital.com](mailto:xiaofei.wang@interdigital.coma)) and Srinivas Kandala ([srini.k1@samsung.com](mailto:srini.k1@samsung.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:
  + [23/1913](https://mentor.ieee.org/802.11/dcn/23/11-23-1913-01-00bn-secondary-channel-access-operation.pptx) Secondary Channel Access Operation Dongju Cha
  + [23/1935](https://mentor.ieee.org/802.11/dcn/23/11-23-1935-00-00bn-secondary-channel-usage-follow-up.pptx) Secondary channel usage follow up Liwen Chu
  + [23/2027](https://mentor.ieee.org/802.11/dcn/23/11-23-2027-02-00bn-considerations-for-dso-sub-band-switch-delay.pptx) Considerations for DSO sub-band switch delay Vishnu Ratnam
  + ~~23/2039 Secondary channel usage follow up Liwen Chu~~
  + [23/2141](https://mentor.ieee.org/802.11/dcn/23/11-23-2141-02-00bn-further-discussion-on-dynamic-subband-operation.pptx) Further discussion on Dynamic Subband Operation Shubhodeep Adhikari
* AoB:
* Adjourn

### 4th Conf. Call: February 22 (10:00–12:00 ET)–PHY

* **CANCELLED**

### 5th Conf. Call: February 26 (19:00–21:00 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 “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: None.
* Technical Submissions - Miscellaneous (including C-SR MAP):
  + [23/1967](https://mentor.ieee.org/802.11/dcn/23/11-23-1967-00-00bn-trigger-based-uplink-adapted-transmission.pptx) Trigger based uplink adapted transmission Ming Gan
  + [~~24/0084~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0084-00-00bn-considerations-on-multi-ap-operation-follow-up.pptx) ~~Considerations on Multi-AP Operation - Follow Up Jiayi Zhang~~
  + [~~24/0086~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0086-00-00bn-multi-ap-coordination-for-sta-re-association.pptx) ~~Multi-AP Coordination for STA (Re)Association Jiayi Zhang~~
  + [24/0088](https://mentor.ieee.org/802.11/dcn/24/11-24-0088-01-00bn-maximizing-channel-bandwidth-in-dense-ap-deployments.pptx) Maximizing Channel BW In Dense AP Deployments Malcolm Smith
  + [~~24/0093~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0093-01-00bn-nav-setting-for-coordinated-tdma.pptx) ~~C-TDMA NAV setting Dibakar Das~~
  + ~~23/2145 QoS based Spatial Reuse Gaurav Patwardhan~~
  + [~~24/0050~~](https://mentor.ieee.org/802.11/dcn/24/11-24-0050-00-00bn-coordinated-spatial-reuse-types.pptx) ~~Coordinated Spatial Reuse Types Hassan Omar~~
  + [24/0114](https://mentor.ieee.org/802.11/dcn/24/11-24-0114-01-00bn-thoughts-on-power-control-for-csr.pptx) Thoughts on Power Control for CSR Wook Bong Lee
* AoB: None.
* Adjourn

### 6th Conf. Call: February 29 (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 “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 Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)), Xiaofei Wang ([xiaofei.wang@interdigital.com](mailto:xiaofei.wang@interdigital.coma)) and Srinivas Kandala ([srini.k1@samsung.com](mailto:srini.k1@samsung.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
  + Skipping header security topic ([23/1896](https://mentor.ieee.org/802.11/dcn/23/11-23-1896-01-00bn-signaling-details-for-header-protection.pptx), [23/1960](https://mentor.ieee.org/802.11/dcn/23/11-23-1960-01-00bn-enhanced-replay-detection-for-header-protection.pptx), [23/1997](https://mentor.ieee.org/802.11/dcn/23/11-23-1997-00-00bn-mac-header-protection.pptx)) until converged SP is run.
* Technical Submissions – leftover DSO + Control Security:
  + [23/2141](https://mentor.ieee.org/802.11/dcn/23/11-23-2141-03-00bn-further-discussion-on-dynamic-subband-operation.pptx) Further discussion on Dynamic Subband Operation Shubhodeep Adhikari
  + [23/1915](https://mentor.ieee.org/802.11/dcn/23/11-23-1915-00-00bn-enhanced-security-for-control-frame-in-11bn.pptx) Enhanced Security for Control frame in 11bn SunHee Baek
  + [23/1933](https://mentor.ieee.org/802.11/dcn/23/11-23-1933-00-00bn-security-enhancement-follow-up.pptx) Security enhancement follow up Liwen Chu
  + [23/1995](https://mentor.ieee.org/802.11/dcn/23/11-23-1995-00-00bn-trigger-ba-and-bar-protection.pptx) Trigger, BA, and BAR Protection Po-Kai Huang
  + [23/2001](https://mentor.ieee.org/802.11/dcn/23/11-23-2001-01-00bn-secure-control-frames-follow-up.pptx) Secure Control frames - Follow up George Cherian
* AoB:
* Adjourn

### 6th Conf. Call: February 29 (10:00–12:00 ET)–PHY

* **CANCELLED**

### 7th Conf. Call: March 4 (19:00–21:00 ET)–MAC

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

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

* + **Copyright Policy: Participants are advised that**
    - IEEE SA’s copyright policy is described in [Clause 7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7) of the IEEE SA Standards Board Bylaws and [Clause 6.1](https://standards.ieee.org/about/policies/opman/sect6.html) of the IEEE SA Standards Board Operations Manual;
    - Any material submitted during standards development, whether verbal, recorded, or in written form, is a Contribution and shall comply with the IEEE SA Copyright Policy
  + **Patent, Participation, Copyright and policy related subclause:** Please refer to Patent And Procedures
* Attendance reminder.
  + Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  + Please record your attendance during the conference call by using the IMAT system:
    - 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “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 Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com)), Xiaofei Wang ([xiaofei.wang@interdigital.com](mailto:xiaofei.wang@interdigital.coma)) and Srinivas Kandala ([srini.k1@samsung.com](mailto:srini.k1@samsung.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Announcements:
* Technical Submissions- Leftover Security plus Coexistence:
  + [23/2001](https://mentor.ieee.org/802.11/dcn/23/11-23-2001-01-00bn-secure-control-frames-follow-up.pptx) Secure Control frames - Follow up Abhishek Patil
  + [23/1934](https://mentor.ieee.org/802.11/dcn/23/11-23-1934-00-00bn-in-device-interference-mitigation-follow-up.pptx) In-device interference mitigation follow up Liwen Chu
  + [23/1964](https://mentor.ieee.org/802.11/dcn/23/11-23-1964-01-00bn-coexistence-protocols-for-uhr.pptx) Coexistence Protocols for UHR George Cherian
  + [~~23/2002~~](https://mentor.ieee.org/802.11/dcn/23/11-23-2002-01-00bn-in-device-coexistence-and-interference-follow-up.pptx) ~~In-device coexistence and interference follow - up Laurent Cariou~~
  + [23/2026](https://mentor.ieee.org/802.11/dcn/23/11-23-2026-00-00bn-balanced-wireless-in-device.pptx) Balanced Wireless In - Device Brian Hart
* AoB:
* Adjourn

### 7th Conf. Call: March 4 (19:00–21:00 ET)–PHY

* **CANCELLED**

### 8th Conf. Call: March 7 (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 “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:
  + Next week IEEE F2F meeting in Denver. Deadline for starting the third cut-off is this week Sunday, March 10, EOB (5:00pm) Denver time.
* Technical Submissions-(C-)SR And MAP:
  + [24/0410](https://mentor.ieee.org/802.11/dcn/24/11-24-0410-00-00bn-qos-based-spatial-reuse.pptx) QoS based Spatial Reuse\* Gaurav Patwardhan
  + [24/0050](https://mentor.ieee.org/802.11/dcn/24/11-24-0050-00-00bn-coordinated-spatial-reuse-types.pptx) Coordinated Spatial Reuse Types Hassan Omar
  + [24/0095](https://mentor.ieee.org/802.11/dcn/24/11-24-0095-00-00bn-efficient-coordinated-spatial-reuse-follow-up.pptx) Efficient Coordinated Spatial Reuse Follow Up Leonardo Lanante
  + [24/0084](https://mentor.ieee.org/802.11/dcn/24/11-24-0084-00-00bn-considerations-on-multi-ap-operation-follow-up.pptx) Considerations on Multi-AP Operation - Follow Up Jiayi Zhang
  + [24/0086](https://mentor.ieee.org/802.11/dcn/24/11-24-0086-00-00bn-multi-ap-coordination-for-sta-re-association.pptx) Multi-AP Coordination for STA (Re)Association Jiayi Zhang
* AoB: None.
* Adjourn

\*Original doc 23/2145 but for some reason it has disappeared from mentor. Author uploaded a new doc with new DCN.

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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

* **Error! Hyperlink reference not valid.**[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

* **Error! Hyperlink reference not valid.**[standards.ieee.org/develop/policies/best\_practices\_for\_ieee\_standards\_development\_051215.pdf](http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf)

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

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

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

**IEEE Code of Ethics**

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

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

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

**Antitrust and Competition Policy**

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

**Letter of Assurance Form**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**Participation in IEEE 802 Meetings**

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

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

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