IEEE P802.11  
Wireless LANs

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| UHR SG July August 2023 teleconference agendas | | | | | |
| Date: 2023-08-25 | | | | | |
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Abstract

This document contains the draft agenda for June 2023 UHR SG teleconferences.

Revisions:

* Rev 0: Initial version of the document.

## UHR SG 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

UHR SG will hold 2 teleconferences

## Teleconferences Plan for November to December

**July 24th (Monday) 10:00-12:00 ET**

**July 31st (Monday) 10:00-12:00 ET Cancelled**

**August 7th (Monday) 10:00-12:00 ET**

**August 14th (Monday) 10:00-12:00 ET**

**August 21st (Monday) 10:00-12:00 ET**

**August 28th (Monday) 10:00-12:00 ET**

## 2Contribution queue

In green, contributions already presented

**Technical proposals**

0381r0 Enhancements to Channel Access for UHR, Maulik Vaidya

0010r2 Considerations for enabling AP power save, Alfred

0668r0 Coordinated Measurement, Kosuke Aio

0816r0 Enhancements for latency sensitive traffic and in-device-coexistence, Shubho Adhikari

*0860r0 Further thoughts on coordinated TWT, Rubayet Shafin*

0226r2 Coordination of R-TWT for Multi-AP Deployment, Abdel Karim Ajami

1087r0 Announcement for R-TWT Coordination, Sunhee Back, LG Electronics

1138r0 Features to consider for efficient Relay operation, Dongguk Lim (LG Electronics)

1139r0 Relay transmission in UHR, Dongguk Lim (LG Electronics)

1090r0 Seamless Roaming follow-up, Yelin Yoon, LG

1146r0 Relaying for Low Latency Traffic in UHR, Serhat Erkucuk

0665r0 Resource Management for Multi-AP Coordination, Peshal Nayak (Samsung)

1066r0 M-AP Coordination Agreement - follow up, Arik Klein

1131r0 Thoughts on seamless roaming, Ryuichi Hirata (Sony Corporation)

1174r0 TXOP preemption follow up, Kiseon Ryu

1175r0 UHR relay follow up, Kiseon Ryu

1229r1 Preemption for low latency application (Follow up), Juan Fang

1173r0 TSN and Time-Sensitive Wireless, Inaki Val (MaxLinear)

1193r0 Nulling Performance of Coordinated Beamforming, Yanchun LI

1085r0 Thoughts on Coordinated TDMA, GeonHwan Kim(LG Electronics)

*1194r0 Overlapped-indication-to-support-preemption, Daniel Verenzuela*

1201r0 Enhanced Acknowledgement for Low Latency Communication, Tuncer Baycas

1205r0 Multi-link devices with receive-only STAs for UHR, Thomas Handte

1209r0 Consideration for Security Enhancement, Po-Kai Huang

1207r0 QoS Enhancements for Next Generation Wi-Fi Networks, Peshal Nayak

1159r1 Discussions on CSI capture based positioning enhancement, Xiaokun Hu

1102r0 Security enhancement follow up, Liwen Chu

1103r0 In-device interference discussion, Liwen Chu

*1242r0 Considerations on Inter-PPDU based Preemption Scheme, Juseong Moon*

1143r0 Smooth Beamforming with Feedback Overhead Reduction, Insik Jung (LG Electronics)

1062r0 Roaming in MAP Systems, Frank Hsu

1328r0 Improvement of the SU-MIMO Part 1: Spatial Modulation, Junghoon Suh, Huawei

1327r0 Considerations on return TXOP between APs, Si-Chan Noh

1365r0 Discussions on Non-primary Channel Access, Sanghyun Kim

1387r0 TXOP Sharing extensions to support XR, Dibakar Das

1406r0 UHR SG Seamless Roaming follow-up, Duncan Ho

1414r0 secondary channel usage follow up, Liwen Chu

1391r0 smooth roaming procedure and signaling, Liwen Chu

1390r0 AP MLD power save follow up, Liwen Chu

1389r0 beacon design follow up , Liwen Chu

1418r0 C-TDMA TXOP Protection, Kiseon Ryu

1419r0 Nonprimary channel access discussions, Gaurang Naik

1420r0 Expedited Wake-up in Unscheduled AP MLD Power Saving, Juseong Moon

1386r0 A non-collocated AP MLD framework further discussion, Jay Yang

## Teleconference Agendas

### 1st Conf. Call: July 24 (10:00–12:00 ET)

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy:** 
    - Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
    - Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
  + **Patent Policy - Ways to inform IEEE:**
    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

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

* + **Patent, Participation, 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 “<UHR SG> 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 Ross Jian Yu ([ross.yujian@huawei.com](mailto:ross.yujian@huawei.com)) and Laurent Cariou ([Laurent.cariou@intel.com](mailto:Laurent.cariou@intel.com))
  + Please ensure that the following information is listed correctly when joining the call:
    - "[voter status] First Name Last Name (Affiliation)"
* Technical Submissions**:** 
  + 1138r0 Features to consider for efficient Relay operation, Dongguk Lim (LG Electronics)
  + 1139r0 Relay transmission in UHR, Dongguk Lim (LG Electronics)
  + 1146r1Relaying for Low Latency Traffic in UHR, Serhat Erkucuk
  + ~~1175r0 UHR relay follow up, Kiseon Ryu~~
  + 1090r0 Seamless Roaming follow-up, Yelin Yoon, LG
  + 1131r0 Thoughts on seamless roaming, Ryuichi Hirata (Sony Corporation)
  + 665r1 Resource Management for Multi-AP Coordination, Peshal Nayak
* AoB:
* Adjourn

### 2nd Conf. Call: August 7 (10:00–12:00 ET)

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy:** 
    - Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
    - Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
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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**:** 
  + 0668r0 Coordinated Measurement, Kosuke Aio
  + 1066r0 M-AP Coordination Agreement - follow up, Arik Klein
  + ~~1193r0 Nulling Performance of Coordinated Beamforming, Yanchun LI~~
  + 1085r0 Thoughts on Coordinated TDMA, GeonHwan Kim(LG Electronics)
  + 0860r0 Further thoughts on coordinated TWT, Rubayet Shafin
  + 0226r2 Coordination of R-TWT for Multi-AP Deployment, Abdel Karim Ajami
  + 1087r0 Announcement for R-TWT Coordination, Sunhee Back, LG Electronics
* AoB: None.
* Adjourn

### 3rd Conf. Call: August 14 (10:00–12:00 ET)

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy:** 
    - Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
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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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  + Please ensure that the following information is listed correctly when joining the call:
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* Announcements:
* Technical Submissions**:** 
  + 1174r0 TXOP preemption follow up, Kiseon Ryu
  + 1229r1 Preemption for low latency application (Follow up), Juan Fang
  + 1194r0 Overlapped-indication-to-support-preemption, Daniel Verenzuela
  + 1242r1 Considerations on Inter-PPDU based Preemption Scheme, Juseong Moon
  + *1173r0 TSN and Time-Sensitive Wireless, Inaki Val (MaxLinear)*
* AoB: None.
* Adjourn

### 4th Conf. Call: August 21 (10:00–12:00 ET)

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy:** 
    - Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
    - Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
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    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
    - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
    - Speak up now and respond to this Call for Potentially Essential Patents

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* 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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* Technical Submissions**:** 
  + ~~1201r0 Enhanced Acknowledgement for Low Latency Communication, Tuncer Baycas~~
  + ~~1205r0 Multi-link devices with receive-only STAs for UHR, Thomas Handte~~
  + 1207r0 QoS Enhancements for Next Generation Wi-Fi Networks, Peshal Nayak
  + 0381r0 Enhancements to Channel Access for UHR, Maulik Vaidya
  + ~~1159r1 Discussions on CSI capture based positioning enhancement, Xiaokun Hu~~
  + ~~1173r0 TSN and Time-Sensitive Wireless, Inaki Val (MaxLinear)~~
  + 1193r0 Nulling Performance of Coordinated Beamforming, Yanchun LI
  + 1175r0 UHR relay follow up, Kiseon Ryu
* AoB: None.
* Adjourn

### 5th Conf. Call: August 28 (10:00–12:00 ET)

* Call the meeting to order
* IEEE 802 and 802.11 IPR policy and procedure
  + **Patent Policy:** 
    - Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
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    - Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
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* Technical Submissions**:** 
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  + 1328r0 Improvement of the SU-MIMO Part 1: Spatial Modulation, Junghoon Suh, Huawei
  + 0816r0 Enhancements for latency sensitive traffic and in-device-coexistence, Shubho Adhikari
  + 1103r0 In-device interference discussion, Liwen Chu
  + 1159r1 Discussions on CSI capture based positioning enhancement, Xiaokun Hu
* AoB: None.
* Adjourn

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## Patent And Procedures

### 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>

### 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>)

### 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

### 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

* [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>