IEEE P802.18  
Radio Regulatory Technical Advisory Group (RR-TAG)

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| Radio Regulatory Technical Advisory Group Minutes  September 2023 Mixed-Mode IEEE 802 Interim Session | | | | |
| Date: October 10, 2023 | | | | |
| Author: | | | | |
| Name | Company | Address | Phone | email |
| Al Petrick | Skyworks Solutions |  |  | Apetrick123@gmail.com |
| Stuart J Kerry | OK-Brit; Self |  |  | stuart@ok-brit.com |
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Abstract

This document constitutes the minutes of the IEEE 802.18 Radio Regulatory Technical Advisory Group for the September 2023 Mixed Mode IEEE 802 Interim Session, with on-site participants in Atlanta -Buckhead, GA, and remote participants through Webex. "Local time" in this document means "local time" Eastern Daylight Time (EDT) zone.

**C:** means question or comment from participant.

**Chair:** means statement by the chair as chair.  
Highlight means action point.

Chair: Edward Au (Huawei)

Co-Vice-chairs: Stuart Kerry (OK-Brit/Self) and Al Petrick (Skyworks Solutions)

Secretary: Amelia Andersdotter (Comcast)

IEEE SA Program Manager: Jodi Hassz (IEEE SA)

* IEEE 802.18, RR-TAG website: <https://www.ieee802.org/18/>

Chair: Edward Au (Huawei)

Co-Vice-chairs: Stuart Kerry (OK-Brit; Self) and Al Petrick (Skyworks Solutions)

Secretary: VACANT (Open position)

IEEE SA Program Manager: Jodi Hassz (IEEE SA)

IEEE 802.18, RR-TAG website: <https://www.ieee802.org/18/> .

**Opening meeting – September 12, 2023**

1. Opening formalities
2. Chair calls the meeting to order at 10:32AM EDT local time. Quorum is asserted.  
     
   Agenda slide deck [**18/23-0088r2**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0088-02-0000-rr-tag-2023-july-plenary-agenda.xlsx&wdOrigin=BROWSELINK) with supplementary materials in [**18/23-0089r2**](https://mentor.ieee.org/802.18/dcn/23/18-23-0089-02-0000-2023-march-rr-tag-supplementary-materials.pptx)
3. Group officers are presented.

Co-ViceChair: Al Petrick volunteered as secretary for the September 2023 interim session.

1. This meeting is part of the IEEE 802 wireless mixed mode interim session located in Atlanta, GA at the Grand Hyatt – Buckhead from September 10 – 15, 2023.

* You **must** pay the registration fee to attend.
* If you have not already done so, you can register w/Face to Face Events – Registration website at: [**https://cvent.me/AwPbAx**](https://cvent.me/AwPbAx)
* If you do not intend to register for this session you must leave this meeting and, if you have logged attendance on IMAT, please email the 802.18 chair or a vice chair to have your attendance canceled
* At conclusion of each of the 802.18 calls, the Webex log and IMAT will be reviewed.
* No payment, become deadbeat and lose voting rights in all groups, after 60-day grace.

Chair shares 802 deadbeat (list), [**ec/22-0247r5**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0247-05-00EC-deadbeat-list.pdf), with group, including one for 802.18.

1. Chair presents the agenda. No comments or questions on the agenda.  
   * + **Motion #1 (internal):** To approve the agenda as shown in the “RR-TAG Opening” tab of the document [**18/23-0088r2**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0088-02-0000-rr-tag-2023-july-plenary-agenda.xlsx&wdOrigin=BROWSELINK)

Moved by: Stuart Kerry

Seconded by: Tuncer Baykas

Discussion: None

Vote: Approved with unanimous consent.

1. Voter list update.  
     
   Group officers and voting membership (as of July 14, 2023)

Voters: 55 (8 on LMSC)

Nearly Voters: 0

Aspirant members: 11

[802.18 Voters List](https://www.ieee802.org/18/RRTAG_Voters.pdf)

1. **Policies and procedures**  
   1. RR-TAG Policies & Procedures [[802 LMSC WG P&P](https://mentor.ieee.org/802-ec/dcn/21/ec-21-0207-23-0PNP-ieee-802-lmsc-working-group-policies-and-procedures.pdf)]

IEEE 802 meeting and participant’s guidelines and requirements [[link](http://www.ieee802.org/devdocs.shtml)]

IEEE policies and procedures [[link](https://standards.ieee.org/about/policies/opman/)]

* 1. Reciprocal credit with IEEE 802.11 Working Group (WG) is granted for only the two meeting slots scheduled for IEEE 802.18 as per agreement between the 802.11 and 802.18 chairs.
  2. **Reminder that IMAT is being used for attendance**

Online meeting procedures reminder

Walk-through of session schedule.

Chair asks group if there are any questions relating to the IEEE policies.

No response, no comments on WebEx Chat window.

1. **General business**  
   1. **Minutes**

* Chair presented the meeting minutes from RR-TAG 2023 July 2023 Plenary session. No questions or comment.  
   **Motion #2 (internal):** To approve the meeting minutes of the RR-TAG 2023 July plenary session as shown in the document [**18-23/0091r0**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0091-00-0000-rr-tag-may-2023-interim-minutes.docx&wdOrigin=BROWSELINK), with editorial privilege for the 802.18 Chair.

Moved by: Al Petrick

Seconded by: Stuart Kerry

Discussion: None.

Vote: Approved with unanimous consent.

* 1. **Opening reports**
     + **Presentation of 802.18 opening report (**[**18/23-0090r1**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0062-02-0000-2023-july-rr-tag-chair-opening-report.pptx&wdOrigin=BROWSELINK)**),** Edward Au (Chair)
     + Chair presented progress since the Plenary meeting in July 2023.
     + Chair: Secretary position is vacant; issued a Call for Secretary, any interested member please reach out to 802.18 Chair, Edward Au.
     + **Update on IEEE Spectrum Statement (ISUS) Ad-hoc**, Edward Au (Chair)
     + Chair: Currently Ad-Hoc chair vacant. Currently waiting for feedback and comments from IEEE SA on the document.

1. **Old Business**
   1. UK Ofcom’s consultation

* **Motion #3 (external):** Move to approve document [**18/23-0103r6**](https://mentor.ieee.org/802.18/dcn/22/18-23-0106-06-0000) in response to the UK Ofcom’s consultation “Hybrid sharing: enabling both licensed mobile and Wi-Fi users to access the upper 6 GHz band”, for review and approval by the IEEE 802 LMSC for submission to the UK Ofcom by the response deadline. The IEEE 802.18 Chair is authorized to make editorial changes as necessary.

Moved by: Al Petrick

Seconded by: Rolf de Vegt

Discussion: None.  
Attendees: 25

Voters (present): 22

Result: Approved (9 Yes, 0 No, 6 Abstain)

Note: Chair did not vote.

Chair presents ongoing consultations and upcoming deadlines to the group.

* 1. **Status of Ongoing consultations** – internal deadline to prepare responses – tracking document [**18/22-0035**](https://mentor.ieee.org/802.18/dcn/22/18-23-0106-06-0000).
     + **UK Ofcom:** [Consultation: Hybrid sharing: enabling both licensed mobile and Wi-Fi users to access the upper 6 GHz band](https://www.ofcom.org.uk/consultations-and-statements/category-1/hybrid-sharing-to-access-the-upper-6-ghz-band?utm_medium=email&utm_campaign=Sharing%206%20GHz%20spectrum%20for%20Wi-Fi%20and%20mobile&utm_content=Sharing%206%20GHz%20spectrum%20for%20Wi-Fi%20and%20mobile+CID_d5d87731c29b201f83e1ae761599b562&utm_source=updates&utm_term=new%20approach%20being%20explored%20by%20Ofcom).
       1. UK Ofcom extension deadline revised to 3:00pm EDT, September 22, 2023.

Chair asks group if there any members interested in providing a response or comments to the consultations.

No response from the group.

**4.3) General Discussion Items**

* 1. **Europe, Middle East and Africa**

Chair asks the group for any updates or comments.

No response from the group.

* 1. **Americas – USA FCC**

The next FCC meeting an [Open Commission Meeting](https://www.fcc.gov/news-events/events/2023/07/july-2023-open-commission-meeting) scheduled on September 21, 2023 10:30AM EDT.

Chair reminds the group of the next FCC Open Commission meeting in September and asks the group for any questions or comments.

No response from the group.

1. **New business**
   1. **Designation of Individual experts**

Chair discusses with group, registration fee waiver and limited attendance rights for individual experts as stated in doc: **ec-17-0090r25** operations manual.

Chair designates Alex Roytblat (Wi-Fi Alliance) as individual expert to give a presentation during the 802.18 closing meeting on Thursday AM1, September 14, 2023.

Chair ask group if there are comments or questions. No response from the group.

1. **Recess at 11:58 AM EDT local time (until Thursday AM 1, September 14, 2023)**

**Closing meeting – September 14, 2023**

1. **Opening formalities**
   1. Chair calls meeting to order at 08:00AM EDT local time. Quorum is declared.Agenda slide deck [**18/23-0088r3**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0088-02-0000-rr-tag-2023-july-plenary-agenda.xlsx&wdOrigin=BROWSELINK) with supplementary materials in [**18/23-0089r4**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0061-07-0000-2023-july-rr-tag-supplementary-materials.pptx&wdOrigin=BROWSELINK).
   2. Officer introduction.
   3. Reminder of registration fee was presented.
   4. Agenda review (see presentation slide 36).

* **Motion #4 (internal):** To approve the agenda as shown in the “RR-TAG Closing” tab of the document [**18-23/0088r3**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0088-03-0000-rr-tag-2023-july-plenary-agenda.xlsx&wdOrigin=BROWSELINK)**.**

Moved by: Al Petrick

Seconded by: Rich Kennedy

Discussion: None

Vote: Approved with unanimous consent

1. **Policies and procedures**
   1. IEEE 802 required notices
      * Declaration of affiliation
      * Anti-trust notices
      * IEEE 802 WG policies and procedures
   2. Guidelines for IEEE SA meetings were introduced.
      * Reminder to object when inappropriate topics are discussed
      * IEEE 802 Code of Conduct and Code of Ethics were introduced.
      * Reminder of the IEEE SA individual process applied in IEEE 802 Committee.
      * Reminder of IEEE SA board bylaws specifying fair and equitable consideration of all viewpoints.

Chair asks for comments, questions, or concerns.

None reported.

* 1. Reminder of housekeeping and meeting decorum.

1. **New Business**
   1. International spectrum regulatory process: 2023 World Radiocommunication Conference – 6 GHz– presentation by Alex Roytblat – Wi-Fi Alliance doc: [**18/23-0105**](https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fmentor.ieee.org%2F802.18%2Fdcn%2F23%2F18-23-0088-02-0000-rr-tag-2023-july-plenary-agenda.xlsx&wdOrigin=BROWSELINK)

Chair opens discussion for questions and comments on presentation.

1. **Closing formalities**
   1. **Future meetings.**Chair refers to slide 49 of doc: **18-0089r5** for details on weekly conference calls and November 2023 plenary.
2. **Any other business**
   1. A reminder to register and log in to IMAT.
3. **Final administrative items**

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| Chair: Any objection to Adjourn? None heard.  Adjourn at 9:12AM EDT local time. |  |  |  |  |  |  |

**ATTENDANCE (Interim Attendance Names and Affiliations) [Report by Stuart Kerry]:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Session Attendance:** | | | | | | | |
|  |  |  |  |  |  |  |
|  |  | **Attendees** |  | **Voters** |  | **Non-Voters** |
| 12-Sep |  | 36 |  | 31 |  | 5 |
| 14-Sep |  | 38 |  | 27 |  | 11 |

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| **Voting Attendees:** | | | | **12-Sep** | **14-Sep** | **Credit >75%** |
|  |  |  |  |  |  |  |
| 1 | **Asai** | Yusuke | NTT ASLabs | **x** | **x** | **TRUE** |
| 2 | **Au** | Edward (Kwok Shum) | Huawei Technologies Co., Ltd | **x** | **x** | **TRUE** |
| 3 | **Baykas** | Tuncer | Ofinno | **x** |  | **FALSE** |
| 4 | **da Silva** | Claudio | Meta Platforms, Inc. | **x** | **x** | **TRUE** |
| 5 | **de Vegt** | Rolf | Qualcomm Incorporated | **x** | **x** | **TRUE** |
| 6 | **Eitan** | Alecsander | Qualcomm Incorporated | **x** | **x** | **TRUE** |
| 7 | **Fang** | Yonggang | MediaTek Inc. | **x** | **x** | **TRUE** |
| 8 | **Godfrey** | Tim | Electric Power Research Institute, Inc. (EPRI) | **x** |  | **FALSE** |
| 9 | **Halasz** | Dave | Morse Micro | **x** | **x** | **TRUE** |
| 10 | **Hiertz** | Guido | Ericsson GmbH |  | **x** | **FALSE** |
| 11 | **Jeffries** | Timothy | FutureWei Technologies, Inc. | **x** | **x** | **TRUE** |
| 12 | **Jones** | Vincent Knowles IV | Qualcomm Incorporated |  | **x** | **FALSE** |
| 13 | **Kain** | Carl | USDOT, Noblis, Inc. | **x** | **x** | **TRUE** |
| 14 | **Kennedy** | Richard | Bluetooth SIG; Self | **x** | **x** | **TRUE** |
| 15 | **Kerry** | Stuart | OK‐Brit, Self | **x** | **x** | **TRUE** |
| 16 | **Kitazawa** | Shoichi | Muroran Institute of Technology | **x** | **x** | **TRUE** |
| 17 | **Levy** | Joseph | InterDigital, Inc. | **x** | **x** | **TRUE** |
| 18 | **Li** | Huan‐Bang | National Institute of Information and Communications Technology (NICT) | **x** | **x** | **TRUE** |
| 19 | **Max** | Sebastian | Ericsson AB | **x** | **x** | **TRUE** |
| 20 | **Nikolich** | Paul | Self | **x** | **x** | **TRUE** |
| 21 | **Petrick** | Al | Skyworks Solutions Inc. | **x** | **x** | **TRUE** |
| 22 | **Pettersson** | Charlie | Ericsson AB | **x** |  | **FALSE** |
| 23 | **Pirhonen** | Riku | NXP Semiconductors | **x** | **x** | **TRUE** |
| 24 | **Porat** | Ron | Broadcom Corporation | **x** | **x** | **TRUE** |
| 25 | **Robert** | Joerg | TU-Ilmenau/Fraunhofer IIS | **x** |  | **FALSE** |
| 26 | **Rosdahl** | Jonathan | Qualcomm Technologies, Inc. | **x** |  | **FALSE** |
| 27 | **Sand** | Stephan | German Aerospace Center (DLR) | **x** | **x** | **TRUE** |
| 28 | **Shen** | Andy | FutureWei Technologies, Inc. | **x** | **x** | **TRUE** |
| 29 | **Sherlock** | Ian | Texas Instruments | **x** | **x** | **TRUE** |
| 30 | **Wang** | Lei | FutureWei Technologies, Inc. | **x** | **x** | **TRUE** |
| 31 | **Ward** | Lisa | Rohde & Schwarz | **x** |  | **FALSE** |
| 32 | **Wilhelmsson** | Leif | Ericsson AB | **x** | **x** | **TRUE** |
| 33 | **Yu** | Ross (Jian) | Huawei Technologies Co., Ltd | **x** | **x** | **TRUE** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **Non-Voting Attendees:** | | | | **12-Sep** | **14-Sep** | **Credit >75%** |
|  |  |  |  |  |  |  |
| 1 | **Aboul-Magd** | Osama | Huawei | **x** |  | **FALSE** |
| 2 | **Das** | Subir | Peraton Labs |  | **x** | **FALSE** |
| 3 | **Emmelmann** | Marc | Self | **x** | **x** | **TRUE** |
| 4 | **Hosako** | Iwao | National Institute of Information and Communications Technology (NICT) | **x** | **x** | **TRUE** |
| 5 | **Krieger** | Ann | US DoD |  | **x** | **FALSE** |
| 6 | **Lalam** | Massinissa | Sagemcom Broadband SAS | **x** |  | **FALSE** |
| 7 | **Mano** | Hiroshi | Koden Techno Info K.K. |  | **x** | **FALSE** |
| 8 | **Martinez (Vázquez)** | Marcos | MaxLinear, Inc. |  | **x** | **FALSE** |
| 9 | **Riegel** | Maximilian (Max) | Nokia |  | **x** | **FALSE** |
| 10 | **Rios** | Carlos | Terabit Wireless Internet LLC |  | **x** | **FALSE** |
| 11 | **Roytblat** | Alex | Wi-Fi Alliance |  | **x** | **FALSE** |
| 12 | **Sun** | Yanjun | Qualcomm Incorporated |  | **x** | **FALSE** |
| 13 | **Takatori** | Yasushi | Nippon Telegraph and Telephone Corporation (NTT) | **x** | **x** | **TRUE** |