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

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| Radio Regulatory Technical Advisory Group Minutes  January 2025 Mixed-Mode IEEE 802 Interim Session 14 January 2025 | | | | |
| Date: 25 January 2025 | | | | |
| Author: | | | | |
| Name | Company | Address | Phone | email |
| Chenhe Ji | Huawei Technologies Co., Ltd. |  |  | Chenheji2016@gmail.com |

Abstract

This document constitutes the minutes of the IEEE 802.18 Radio Regulatory Technical Advisory Group for the January 2025 Mixed Mode IEEE 802 Interim Session, with on-site participants in Kobe, Japan, and remote participants through Webex. "Local time" in this document means local time “Japan Standard Time” (JST) zone.

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

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

Revisions:

* Rev 0: Initial version of the document.
* Rev 1: Requested editorials

Chair: Edward Au (Huawei)

Co-Vice-chairs: Gaurav Patwardhan (Hewlett Packard Enterprise) and Al Petrick (Jones-Petrick Associates)

Secretary: Chenhe Ji (Huawei)

IEEE SA Program Manager: Jodi Haasz (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: Amelia Andersdotter (Comcast)

IEEE SA Program Manager: Jodi Hassz (IEEE SA)

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

**Opening meeting – January 14, 2025**

1. **Opening formalities**
2. Chair calls the meeting to order at 10:30 AM JST local time. Quorum is asserted.
3. Agenda spreadsheet document [**18-24/0123r4**](https://mentor.ieee.org/802.18/dcn/24/18-24-0123-04-0000-rr-tag-2025-january-interim-agenda.xlsx) with supplementary materials in [**18-24/0124r4**](https://mentor.ieee.org/802.18/dcn/24/18-24-0124-04-0000-2025-january-rr-tag-supplementary-materials.pptx)**.**
4. Group officers are present. Chenhe Ji is appointed as secretary for the January 2025 IEEE 802.18 Interim session.
5. This meeting is part of the mixed mode IEEE 802 wireless interim session located in Kobe, Japan, held at the International Conference Centre on January 12 to 17, 2025.

* You **must** pay the registration fee to attend.
* If you have not already done so, you can register MTG events – Registration website at:
* [**https://touchpoint.eventsair.com/2025-jan-ieee-802-wireless-interim-session**](https://touchpoint.eventsair.com/2025-jan-ieee-802-wireless-interim-session/)
* 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. <https://imat.ieee.org/my-site/home>
* At conclusion of each of the 802.18 meetings, the Webex log and IMAT will be reviewed.
* No payment, become a deadbeat and lose voting rights in all groups, after 60-day grace.
* Chair presents and reviews Agenda (RR-TAG Opening tab) in document [**18-24/0123r3**](https://mentor.ieee.org/802.18/documents?is_dcn=96&is_group=0000&is_year=2024).
  + - * **Motion #1 (Procedural):** To approve the agenda as shown in the “RR-TAG Opening Agenda” tab of the document[**18-24/0123r3**](https://mentor.ieee.org/802.18/documents?is_dcn=96&is_group=0000&is_year=2024)**.**

Moved by: Rich Kennedy

Seconded by: Gaurav Patwardhan

Discussion: None

Vote: Approved with unanimous consent.

1. **Voter list update**Group officers and voting membership (at the opening meeting on 14 January 2025).   
   Voters: 68 (including 10 on LMSC)

Nearly Voters: 2

Aspirant members: 10

1. **Administrative items** 
   * + **Policies and procedures:** Gaurav Patwardhan, presented slides 8-16 in   
       document [**18-24/0124r3**](https://mentor.ieee.org/802.18/dcn/24/18-24-0124-03-0000-2025-january-rr-tag-supplementary-materials.pptx)**.**
   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 the agreement between the IEEE 802.11 and IEEE 802.18 chairs.   
       
     Gaurav Patwardhan asked for any press in the room to announce their presence.   
     No response, no comments from the group or WebEx.
  2. **Reminder that IMAT is being used for attendance.**

Online meeting procedures reminder.

Walk-through of session schedule.

* Gaurav Patwardhan asked the group if there are any questions relating to the IEEE policies.

No response, no comments from the group or WebEx.

1. **General business**  
   * **Minutes**  
     + Chair presents meeting minutes document [**18-24/0127r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0127-01-0000-rr-tag-november-2024-plenary-minutes.docx) from RR-TAG 2024 November  
       plenary session.
     + Chair asked the group if there are any questions. No response, no comments from the group or WebEx.

**Motion #2 (Procedural):** To approve the meeting minutes of the RR-TAG 2024 November plenary session as shown in the document [**18-24/0127r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0127-01-0000-rr-tag-november-2024-plenary-minutes.docx) ,with editorial privilege for the IEEE 802.18 Chair.

Moved by: Al Petrick

Seconded by: Gaurav Patwardhan

Discussion: None.

Vote: Approved with unanimous consent.

* + **Opening reports**
    - **Presentation of 802.18 opening report** [**18-24/0125r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0125-01-0000-2025-january-rr-tag-chair-opening-report.pptx) **,** Edward Au (Chair)  
      Chair presents progress on consultations since the plenary meeting in November 2024.
      * The IEEE 802 LMSC approved 3 submissions. For details and document links see document [**18-24/0125r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0125-01-0000-2025-january-rr-tag-chair-opening-report.pptx) slide 3.
      * Discuss latest topics related to spectrum and regulation in Europe, North America, and Asia Pacific.
    - Chair reviewed **objectives for the week**: See document[**18-24/0125r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0125-01-0000-2025-january-rr-tag-chair-opening-report.pptx).
      * Review draft responses to the following consultations (see document [**18-24/0125r1**](https://mentor.ieee.org/802.18/dcn/24/18-24-0125-01-0000-2025-january-rr-tag-chair-opening-report.pptx) slide 4):
        + France ARCEP: [Draft decision repealing decision no. 2007-0683 of 24 July 2007 as amended and setting the conditions for use of radio frequencies for equipment operating using ultra-wideband technology](https://www.arcep.fr/uploads/tx_gspublication/consultation-projdec-frequences-UWB_dec2024.pdf)
        + UK Ofcom: [Ofcom’s Plan of Work 2025/26](https://www.ofcom.org.uk/about-ofcom/annual-reports-and-plans/consultation-ofcoms-plan-of-work-202526/)
    - Chair asked the group if there are any questions relating to the objectives for the week.   
      No questions or comments from the group or WebEx.

1. **Announcement**

* Andrew Stewart (Senior Manager, Spectrum Planning Section, Australian Communications and Media Authority) is designated as specific individual expert on their respective topics and subject to the restrictions and benefits described in the IEEE 802 Operations Manual. Attendance is limited to the closing meeting timeslot of the 2025 January IEEE 802 wireless interim in which the respective presentation is scheduled.

1. **Ongoing consultations**
   * **Status of Ongoing Consultations.** See documents [**18-24/0123r3**](https://mentor.ieee.org/802.18/dcn/24/18-24-0123-03-0000-rr-tag-2025-january-interim-agenda.xlsx)  and [**18-24/0001**](https://mentor.ieee.org/802.18/dcn/24/18-24-0001-31-0000-status-of-ongoing-consultations-and-tag-documents-for-approval.docx)**r31**.
   * **Proposed response to France ARCEP's consultation on UWB**: See document [**18-24/0129r0**](https://mentor.ieee.org/802.18/dcn/24/18-24-0129-00-0000-proposed-response-to-france-arcep-s-consultation-on-uwb.pdf)
     + Chair reviews reply position to ARCEP's consultation with the group.
     + Chair asks the group if there are any comments or questions. There was no discussion on response.

**Motion #3 (Technical):** Move to approve document [**18-24/0129r0**](https://mentor.ieee.org/802.18/dcn/24/18-24-0129-00-0000-proposed-response-to-france-arcep-s-consultation-on-uwb.docx) in response to the Electronic Communications, Postal and Print media distribution Regulatory Authority (ARCEP)’s consultation “Draft decision repealing decision no. 2007-0683 of 24 July 2007 as amended and setting the conditions for use of radio frequencies for equipment operating using ultra-wideband technology”, for review and approval by the IEEE 802 LMSC for submission to the ARCEP before the contribution deadline. The IEEE 802.18 Chair is authorized to make editorial changes as necessary.

Moved: Jim Lansford

Seconded: James Gilb

Discussion: None

Result: Approved (15 Yes, 0 No, 3 Abstain)

NOTE: The Chair did not vote

* + **Draft response to UK Ofcom's consultation: Plan of Work 2025/26:** See document [**18-25/0002r1**](https://mentor.ieee.org/802.18/dcn/25/18-25-0002-01-0000-draft-response-to-uk-ofcom-s-consultation-plan-of-work-2025-26.pdf)
    - Chair reviews reply position to UK Ofcom's consultation.
* Chair asked the group if there are any questions or comments. There were questions related to AR/VR in healthcare application.
  + - Chair asked the group for AOB. No response from the group or WebEx.

1. **Liaisons**
   * + Response to ITU-R WP5C liaison related to the work in the frequency range 450-1000 GHz was presented by Thomas Kurner (TU Braunschweig): See document [18-25/0004r0](https://mentor.ieee.org/802.18/dcn/25/18-25-0004-00-0000-proposal-of-a-liaison-statement-to-itu-r-working-party-5c.docx)
       - Discussion: Made some clarifications about liaison content.
     + Proposal of a liaison statement to ITU-R Working Parties 5A and 5C related to the IEEE Std 802.15.3-2023 was presented by Thomas Kurner (TU Braunschweig): See document [18-25/0005r0](https://mentor.ieee.org/802.18/dcn/25/18-25-0005-00-0000-proposal-of-a-liaison-statement-to-itu-r-working-parties-5a-and-5c.docx)
       - Discussion: Chair suggested that some necessary communication should be conducted with the SA project manager before liaison is modified.
2. **General discussion items**
   * + **ETSI BRAN**
       - ETSI TC BRAN meeting, January 2025 update (see document [11-25/0073r0](https://mentor.ieee.org/802.11/dcn/25/11-25-0073-00-coex-tc-bran-updates-january-2025.pptx))was presented by Guido R. Hiertz (Ericsson). Updates included
         * Status of EN 301 893 (5 GHz)
         * Status of EN 303 687 (6 GHz)
3. **Recessed at 12:30 PM JST local time (until Thursday AM1, January 16, 2025)**

**Closing meeting – January 16, 2025**

1. **Opening formalities**
   * Chair calls meeting to order at 10:30AM JST local time. Quorum is declared.
     + Agenda spreadsheet document [**18-24/0123r4**](https://mentor.ieee.org/802.18/dcn/24/18-24-0123-04-0000-rr-tag-2025-january-interim-agenda.xlsx)with supplementary materials  
       in [**18-24/0124r5**](https://mentor.ieee.org/802.18/dcn/24/18-24-0124-05-0000-2025-january-rr-tag-supplementary-materials.pptx).
   * Officer introduction.
   * Reminder of registration fee was presented.
   * Reminder of recording attendance. IMAT is used for this session.
   * Chair presents and reviews Agenda (RR-TAG Closing tab).

* **Motion #4 (Procedural):**  To approve the agenda as shown in the “RR-TAG Closing Agenda” tab of the document [**18-24/0123r4**](https://mentor.ieee.org/802.18/dcn/24/18-24-0123-04-0000-rr-tag-2025-january-interim-agenda.xlsx).

Moved: Al Petrick

Seconded: Gaurav Patwardhan

Discussion: None.

Vote: Approved with unanimous consent

1. **Administrative Items**
   * + **Policies and procedures** Gaurav Patwardhan, presented slides 40-49 in   
       document [**18-24/0124r5**](https://mentor.ieee.org/802.18/dcn/24/18-24-0124-05-0000-2025-january-rr-tag-supplementary-materials.pptx)**.**   
       - IEEE 802 required notices
       - Declaration of affiliation
       - Anti-trust notices
       - IEEE 802 WG policies and procedures
     + 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.
     + Gaurav Patwardhan asked the group for comments, questions, or concerns. No response from the group or WebEx.
       - Reminder of housekeeping and meeting decorum.
       - IMAT is used for this session. <https://imat.ieee.org/my-site/home>
       - Reminder of Reciprocal credit.
     + Chair asked the group if there are any questions or comments. No response from the group or WebEx.
2. **New business: Invited presentation**
   * + Andrew Stewart presents the document ([**18-25/0001r0**](https://mentor.ieee.org/802.18/dcn/25/18-25-0001-00-0000-acma-spectrum-planning-for-wi-fi.pdf)) to introduce ACMA Spectrum planning for Wi-Fi. Document included the socio-economic value brought by the 6 GHz spectrum to the Wi-Fi technology and the impact of international spectrum organizations on the use of the 6 GHz frequency band. And document provides suggestions on the possibility of allocating 6425-6585 MHz to the RLAN and 6585-7100 MHz to the WA WBB.
     + Chair asks the group if there are any questions. Discussion takes place.
3. **Ongoing consultations**
   * + **UK Ofcom’s consultation：Plan of Work 2025/26**
     + Chair informs the group, IEEE 802 Direct Vote Live (DVL) will be used to record all technical motions. Vice-Chair Gaurav Patwardhan moderates DVL.
     + Chair recuses to present the response ([**18-25/0002r2**](https://mentor.ieee.org/802.18/dcn/25/18-25-0002-02-0000-draft-response-to-uk-ofcom-s-consultation-plan-of-work-2025-26.doc)) to the position paper to UK Ofcom’s consultation re 6 GHz AFC, Gaurav Patwardhan chairs the meeting.
     + Chair asks the group if there are any questions. No questions or comments.
     + Edward Au chairs the meeting.

* **Motion #5 (Technical): Move to approve document 18-25/0002r2 in response to the Office of Communications (Ofcom)’s consultation “Plan of Work 2025/26”, for review and approval by the IEEE 802 LMSC for submission to the Ofcom before the contribution deadline. The IEEE 802.18 Chair is authorized to make editorial changes as necessary.**
  + Moved: Gaurav Patwardhan
  + Seconded: Pelin Salem
  + Discussion: None.
  + Result: Approved (9 Yes, 0 No, 1 Abstain)
  + NOTE: The Chair did not vote

1. **Liaisons**
   * + - * Document [**18-25/0003r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0003-00-0000-ls-from-etsi-isg-thz-on-the-publication-of-gr-thz-003-and-gr-thz-004.docx)**0**  Liaison communications between ETSI Industry Specification Group (ISG) for Terahertz Communications (THG) and IEEE 802 LMSC was presented by Thomas Kurner (TU Braunschweig). This is the third Liaison from ETSI ISG THZ to IEEE after two Liaisons of contact in 2023. Document described the requirements of ISG THz for continuous communication with relevant standardization organizations on terahertz technology.

1. **Closing formalities**
   * **Future RR-TAG meeting**Chair refers to document [**18-24/0124r5**](https://mentor.ieee.org/802.18/documents?is_dcn=97&is_group=0000&is_year=2024)slides 58 - 59 for details on weekly conference calls and March 2025 plenary dates, and registration.

1. **Any other business**
   * Chair asked the group for any other business. No response, no comments from the group or WebEx.

* + Chair reminded the group to register and log into IMAT.

**Adjourn at 09:28 AM JST local time.**

**ATTENDANCE LIST (Interim Attendance Names and Affiliations):**

|  |  |  |
| --- | --- | --- |
| Asai | Yusuke | NTT ASLabs |
| Au | Edward | Huawei Technologies Co., Ltd |
| Baykas | Tuncer | Ofinno |
| Bims | Harry | Bims Laboratories, Inc. |
| Carney | William | Sony Corporation |
| da Silva | Claudio | Meta Platforms, Inc. |
| de Vegt | Rolf | Qualcomm Incorporated |
| Fang | Yonggang | MediaTek Inc. |
| Gilb | James P.K. | General Atomics Aeronautical Systems and Gilb Consulting, UoSD, GenXCom |
| Halasz | Dave | Morse Micro |
| Hiertz | Guido | Ericsson GmbH |
| Ikegami | Tetsushi | Meiji University |
| Islim | Mohamed Sufyan | pureLiFi |
| Iwatani | Junichi | NTT |
| Jeffries | Timothy | FutureWei Technologies, Inc. |
| Ji | Chenhe | Huawei Technologies Co., Ltd. |
| Kajita | Shugo | Space-Time Engineering Japan Inc. |
| Kato | Arata | Space-Time Engineering Japan Inc. |
| Kennedy | Richard | Bluetooth SIG; Self |
| Kitazawa | Shoichi | Muroran Institute of Technology |
| Krischer | Mark | Cisco |
| Kürner | Thomas | TU Braunschweig |
| Lalam | Massinissa | Sagemcom Broadband SAS |
| Lansford | James | FaraFir Consulting |
| Le | Don | Article 19 |
| Leong | Frank | NXP Semiconductors |
| Levy | Joseph | InterDigital, Inc. |
| Li | Huan‐Bang | National Institute of Information and Communications Technology (NICT) |
| Maman | Mickael | ST |
| Max | Sebastian | Ericsson AB |
| Morioka | Hitoshi | SRC Soft |
| Nagai | Yukimasa | Mitsubishi Electric Corporation |
| Neirynck | Dries | Ultra Radio Ltd |
| Otsuki | Shinya | NTT |
| Patwardhan | Gaurav | Hewlett Packard Enterprise |
| Petrick | Al | Jones-Petrick Associates |
| Pettersson | Charlie | Ericsson AB |
| Porat | Ron | Broadcom Corporation |
| Portier | Fabrice | Silicon Labs |
| Robert | Joerg | TU-Ilmenau/Fraunhofer IIS |
| Rosdahl | Jonathan | Qualcomm Technologies, Inc. |
| Salem | Pelin | Cisco |
| Sand | Stephan | German Aerospace Center (DLR) |
| Sasaki | Shigenobu | Niigata University, Japan |
| Serafimovski | Nikola | pureLiFi |
| Sherlock | Ian | Texas Instruments |
| Stacey | Robert | Intel Corporation |
| Stanley | Dorothy | Hewlett Packard Enterprise |
| Stewart | Andrew | Australian Communications and Media Authority |
| Sumi | Takenori | Mitsubishi Electric Research Laboratories (MERL) |
| Takai | Mineo | Space-Time Engineering |
| Takatori | Yasushi | Nippon Telegraph and Telephone Corporation (NTT) |
| Tsunoda | Shunichi | Allied Telesis K.K. |
| Uno | Masanori | e-trees.Japan,inc |
| Wang | Lei | FutureWei Technologies, Inc. |
| Ward | Lisa | Rohde & Schwarz |
| Wendt | Matthias | Signify |
| Wilhelmsson | Leif | Ericsson AB |
| Yu | Ross (Jian) | Huawei Technologies Co., Ltd |

**End.**