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

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| Radio Regulatory Technical Advisory Group MinutesMarch 2025 Mixed-Mode IEEE 802 Plenary Session11 March 2025 |
| Date: 18 March 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 March 2025 Mixed Mode IEEE 802 Plenary Session, with on-site participants in Atlanta, Georgia, USA, and remote participants through Webex. "Local time" in this document means local time “The Eastern Time Zone” (ET) 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.

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 – March 11, 2025**

1. **Opening formalities**
2. Chair calls the meeting to order at 10:30 AM ET. Quorum is asserted.
3. Agenda spreadsheet document [**18-25/0010r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-05-0000-rr-tag-2025-march-plenary-agenda.xlsx)**5** with supplementary materials in [**18-25/0011r4**](https://mentor.ieee.org/802.18/dcn/25/18-25-0011-04-0000-2025-march-rr-tag-supplementary-materials.pptx)**.**
4. Group officers are present. Chenhe Ji is appointed as secretary for the March 2025 IEEE 802.18 Plenary session.
5. This meeting is part of the mixed mode IEEE 802 wireless plenary session located in Atlanta, Georgia, USA, held at the Hilton Atlanta on March 9 to 14, 2025.
* You **must** pay the registration fee to attend.
* If you have not already done so, you can register w/F2F events – Registration website at:

**https://web.cvent.com/event/4fa8fa22-fa35-4058-a648-d08fdd56a1c1/summary**

* 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 [**18-25/0010r4**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-04-0000-rr-tag-2025-march-plenary-agenda.xlsx).
	+ - * **Motion #1 (Procedural):** To approve the agenda as shown in the “RR-TAG Opening Agenda” tab of the document[**18-25/0010r4**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-04-0000-rr-tag-2025-march-plenary-agenda.xlsx)**.**

Moved by: Gaurav Patwardhan

Seconded by: Tuncer Baykas

Discussion: None

Vote: Approved with unanimous consent.

1. **Voter list update**Group officers and voting membership (at the opening meeting on 11 March 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 [**18-25/0011r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0011-04-0000-2025-march-rr-tag-supplementary-materials.pptx)**4.**
	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 [**18-25/0008r1**](https://mentor.ieee.org/802.18/dcn/25/18-25-0008-01-0000-rr-tag-january-2025-interim-minutes.docx) from RR-TAG 2025 January
		interim 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 2025 January wireless interim session as shown in the document [**18-25/0008r1**](https://mentor.ieee.org/802.18/documents?is_dcn=0008&is_group=0000&is_year=2025), with editorial privilege for the IEEE 802.18 Chair.

Moved by: Chenhe Ji

Seconded by: Al Petrick

 Discussion: None.

Vote: Approved with unanimous consent.

* + **Opening reports**

**Presentation of 802.18 opening report** [**18-25/0012r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0012-02-0000-2025-march-rr-tag-chair-opening-report.pptx)**2 ,** Edward Au (Chair)

1. **New business**

**Announcement**

* Yan Losier (Manager of Telecom Equipment Regulatory Requirements in the Engineering, Planning and Standards Branch, Department of Innovation, Science and Economic Development Canada / Government of Canada) 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 opening meeting timeslot of the 2025 March IEEE 802 plenary in which the respective presentation is scheduled.

 **Invited presentation**

* + - Yan Losier presents the document ([**18-25/0007r0**](https://mentor.ieee.org/802.18/dcn/25/18-25-0007-00-0000-canada-spectrum-outlook.pptx)) to introduce Canada Spectrum Outlook. The presentation included the regulatory legal framework of spectrum regulation in Canada, spectrum outlook from 2023 to 2027, spectrum strategy process, and 6 GHz spectrum usage strategy, access mechanism, and related spectrum management system in Canada.
		- Chair asks the group if there are any questions. Discussions include suggestions that the administration can consider the large bandwidth requirements of AR/VR scenarios and the spectrum planning above 7125 MHz.
		- 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. **Ongoing consultations**
	* **Status of Ongoing Consultations.** See documents [**18-25/0010r5**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-05-0000-rr-tag-2025-march-plenary-agenda.xlsx)  and [**18-24/0001**](https://mentor.ieee.org/802.18/dcn/24/18-24-0001-37-0000-status-of-ongoing-consultations-and-tag-documents-for-approval.docx)**r37**.
	* **Proposed response to the** **UK Ofcom's consultation**: See document [**18-25/0016r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0016-04-0000-draft-response-to-the-uk-ofcom-s-consultation-updating-wireless-telegraphy-licence-exemptions.docx)**4**
		+ Chair reviews reply position to UK Ofcom's consultation with the group.
		+ Chair asks the group if there are any comments or questions. There was no discussion on response.
		+ Chair informs the group, Direct Vote Live (DVL) will be used to record all technical motions. Vice-Chair Gaurav Patwardhan moderates DVL.

**Motion #3 (Technical):** Move to approve document [**18-25/0016r4**](https://mentor.ieee.org/802.18/dcn/25/18-25-0016-04-0000-draft-response-to-the-uk-ofcom-s-consultation-updating-wireless-telegraphy-licence-exemptions.docx) in response to the UK Ofcom’s consultation “Updating Wireless Telegraphy License Exemptions”, for review and approval by the IEEE 802 LMSC for submission to the UK Ofcom before the contribution deadline. The IEEE 802.18 Chair is authorized to make editorial changes as necessary.

Moved: Dave Halasz

Seconded: Ben Rolfe

Discussion: None

Result: Approved (14 Yes, 0 No, 1 Abstain)

NOTE: The Chair did not vote

* + **Draft response to** **UAE TDRA’s consultation: UAE Spectrum Outlook 2026 – 2031:** See document [**18-25/0017r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0017-04-0000-draft-response-to-uae-tdra-s-consultation-uae-spectrum-outlook-2026-2031.pdf)**4**
		- Chair reviews reply position to UAE TDRA’s consultation.
* Chair asked the group if there are any questions or comments. There were questions related to add UK Ofcom's description of this issue as a reference and discussion on Wi-SUN devices in IoT scenarios.
	+ - Chair asked the group for AOB. No response from the group or WebEx.
	+ **Proposed response to the Australia ACMA’s consultation**: See document: [**18-25/0020r1**](https://mentor.ieee.org/802.18/dcn/25/18-25-0020-01-0000-draft-response-to-australia-acma-s-consultation-draft-five-year-spectrum-outlook-2025-30.docx)
		- Gaurav Patwardhan reviews reply position to Australia ACMA’s consultation with the group.
		- Chair asks the group if there are any comments or questions. There was no discussion on response.
	+ **Proposed response to USA FCC’s consultation:** See document: [Promoting the Development of Positioning, Navigation, and Timing Technologies and Solutions](https://docs.fcc.gov/public/attachments/DOC-410031A1.pdf)
		- Chair reviews reply position to USA FCC’s consultation.
		- Chair asked the group if there are any questions or comments. There were discussions on the coexistence of GPS and Wi-Fi. For the proposed reply position, a few individuals suggested to ask IEEE 802.19’s input related to coexistence. They will work with IEEE 802.19 and see if there is any chance the IEEE 802.19 can provide IEEE 802.18 their inputs prior to the submission deadline.
1. **Recessed at 12:30 PM ET local time (until Thursday AM1, March 13, 2025)**

**Closing meeting – March 13, 2025**

1. **Opening formalities**
	* Chair calls meeting to order at 8:00AM ET. Quorum is declared.
		+ Agenda spreadsheet document [**18-25/0010r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-05-0000-rr-tag-2025-march-plenary-agenda.xlsx)**5** with supplementary materials
		in [**18-25/0011r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0011-04-0000-2025-march-rr-tag-supplementary-materials.pptx)**4**.
	* 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 [**18-25/0010r5**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-05-0000-rr-tag-2025-march-plenary-agenda.xlsx).

Moved: Gaurav Patwardhan

Seconded: Ben Rolfe

Discussion: None.

Vote: Approved with unanimous consent

1. **Administrative Items**
	* + **Policies and procedures** Gaurav Patwardhan, presented slides 36-41 in
		document [**18-25/0011r4.**](https://mentor.ieee.org/802.18/dcn/25/18-25-0011-04-0000-2025-march-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. **Secretary appointment**
* Motion #5 (Procedural): To reaffirm Chenhe Ji as the secretary of IEEE 802.18 RR-TAG.

Moved: Gaurav Patwardhan

Seconded: Ben Rolfe

Discussion: None

Vote: Approved with unanimous consent.

1. **Ongoing consultations**
	* + **UAE TDRA’s consultation：UAE Spectrum Outlook 2026 – 2031**
		+ Chair recuses to present the response ([**18-25/0017r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0017-04-0000-draft-response-to-uae-tdra-s-consultation-uae-spectrum-outlook-2026-2031.pdf)**4**) to the position paper to UAE TDRA’s consultation on UAE Spectrum Outlook 2026-2031, Gaurav Patwardhan chairs the meeting.
		+ Chair asks the group if there are any questions. No questions or comments.
		+ Edward Au chairs the meeting.
		+ Chair informs the group, DVL will be used to record all technical motions. Vice-Chair Gaurav Patwardhan moderates DVL.
	* **Motion #6 (Technical): Move to approve document 18-25/0017r2 in response to the UAE Telecommunications and Digital Government Regulatory Authority (TDRA)’s consultation “UAE Spectrum Outlook 2026 - 2031”, for review and approval by the IEEE 802 LMSC for submission to the TDRA before the contribution deadline. The IEEE 802.18 Chair is authorized to make editorial changes as necessary.**

Moved: Dave Halasz

Seconded: Gaurav Patwardhan

Discussion: None

Result: Approved (14 Yes, 0 No, 0 Abstain)

NOTE: The Chair did not vote

1. **Ongoing consultations**
* **Status of Ongoing Consultations.** See documents [**18-25/0010r5**](https://mentor.ieee.org/802.18/dcn/25/18-25-0010-05-0000-rr-tag-2025-march-plenary-agenda.xlsx)  and [**18-24/0001**](https://mentor.ieee.org/802.18/dcn/24/18-24-0001-37-0000-status-of-ongoing-consultations-and-tag-documents-for-approval.docx)**r37**.
	+ - **Proposed response to the Australia ACMA’s consultation:** See document: [**18-25/0020r1**](https://mentor.ieee.org/802.18/dcn/25/18-25-0020-01-0000-draft-response-to-australia-acma-s-consultation-draft-five-year-spectrum-outlook-2025-30.docx)
		- Gaurav Patwardhan reviews reply position to Australia ACMA’s consultation with the group.
* Chair asks the group if there are any comments or questions. There were discussions on AR/VR scenario-based application and AFC application mechanism.
1. **General discussion items**
	* + **ETSI BRAN**
			- ETSI TC BRAN meeting, February 2025 update (see document [11-25/0021r0](https://mentor.ieee.org/802.18/dcn/25/18-25-0021-00-0000-tc-bran-updates-march-2025.pptx))was presented by Guido R. Hiertz (Ericsson). Updates included
				* Status of EN 303 687 (6 GHz)
				* Official Journal of the EU
2. **Closing formalities**
	* **Future RR-TAG meeting**Chair refers to document [**18-25/0011r**](https://mentor.ieee.org/802.18/dcn/25/18-25-0011-04-0000-2025-march-rr-tag-supplementary-materials.pptx)**4** slides 56-57 for details on weekly conference calls and May 2025 interim 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 09:15 AM ET local time.**

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

| **Participant** | **Affiliation** |
| --- | --- |
| Thomas Almholt | Texas Instruments |
| Yusuke Asai | NTT ASLabs |
| Edward Au | Huawei Technologies Co., Ltd |
| Tuncer Baykas | Self |
| Phil Beecher | Wi-SUN Alliance |
| Harry Bims | Bims Laboratories, Inc. |
| David Boldy | Broadcom Corporation |
| William Carney | Sony Corporation |
| Rolf de Vegt | Qualcomm Incorporated |
| Prasanna Desai | Intel Corporation |
| Marc Emmelmann | Self |
| Yonggang Fang | MediaTek Inc. |
| Ming Gan | Huawei Technologies Co., Ltd. |
| Tim Godfrey | Electric Power Research Institute, Inc. (EPRI) |
| Raphael Guimond | Spark Microsystems |
| Dave Halasz | Morse Micro |
| Ahmed Helmy | Apple Inc. |
| Guido Hiertz | Ericsson GmbH |
| Ravi Ichapurapu | Amazon Lab126 |
| Tetsushi Ikegami | Meiji University |
| Mohamed Sufyan Islim | pureLiFi |
| Timothy Jeffries | FutureWei Technologies, Inc. |
| Chenhe Ji | Huawei Technologies Co., Ltd. |
| Carl Kain | USDOT, Noblis, Inc. |
| Shugo Kajita | Space-Time Engineering Japan Inc. |
| Arata Kato | Space-Time Engineering Japan, Inc. |
| Richard Kennedy | Bluetooth SIG; Self |
| John Kenney | TOYOTA InfoTechnology Center U.S.A. |
| Shoichi Kitazawa | Muroran Institute of Technology |
| Alex Krebs | Apple |
| Mark Krischer | Cisco |
| Vinod Kristem | Apple |
| Frank Leong | NXP Semiconductors |
| Joseph Levy | InterDigital, Inc. |
| Huan‐Bang Li | National Institute of Information and Communications Technology (NICT) |
| Michael Lynch | MJ Lynch & Associates, LLC. |
| Sebastian Max | Ericsson AB |
| Hitoshi Morioka | SRC Soft |
| Sriram Murali | Texas Instruments |
| Yukimasa Nagai | Mitsubishi Electric Corporation |
| Dries Neirynck | Ultra Radio Ltd |
| Gaurav Patwardhan | Hewlett Packard Enterprise |
| Al Petrick | Skyworks Solutions Inc. |
| Charlie Pettersson | Ericsson AB |
| Ron Porat | Broadcom Corporation |
| Fabrice Portier | Silicon Labs |
| Ian Procyk | Cisco Systems |
| Mohammad Rahmani | Spark Microsystems |
| Joerg Robert | TU-Ilmenau/Fraunhofer IIS |
| Benjamin Rolfe | Blind Creek Associates |
| Pelin Salem | Cisco |
| Stephan Sand | German Aerospace Center (DLR) |
| Ian Sherlock | Texas Instruments |
| Robert Stacey | Intel Corporation |
| Dorothy Stanley | Hewlett Packard Enterprise |
| Gary Stuebing | Cisco Systems |
| Takenori Sumi | Mitsubishi Electric Research Laboratories (MERL) |
| Mineo Takai | Space-Time Engineering |
| Shusaku Umeda | Mitsubishi Electric Corporation |
| Lochan Verma | Apple Inc. |
| Billy Verso | Qorvo |
| Lei Wang | FutureWei Technologies, Inc. |
| Lisa Ward | Rohde & Schwarz |
| Leif Wilhelmsson | Ericsson AB |
| Hassan Yaghoobi | Intel Corporation |
| Shang-Te Yang | Apple Inc. |
| Ross (Jian) Yu | Huawei Technologies Co., Ltd |
| Larry Zakaib | Spark Microsystems |
| Chengzhi Zhou | Apple Inc. |

**End.**