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

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| Radio Regulatory Technical Advisory Group Minutes  15 December 2022 | | | | |
| Date: 19 December 2022 | | | | |
| Author: | | | | |
| Name | Company | Address | Phone | email |
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Abstract

This document constitutes the minutes of the IEEE 802.18 Radio Regulatory Technical Advisory Group (RR-TAG) for the weekly teleconference call on 15 December 2022 at 15:00 ET.

In these minutes

**C:** means question 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/>

These are minutes of the IEEE 802.18 RR-TAG teleconference on Thursday 15 Dec 2022, 15:00 ET.

1. Chair calls the meeting to order at 15:01 ET.

Agenda slide deck [18-22/0154r1](https://mentor.ieee.org/802.18/dcn/22/18-22-0154-01-0000-rr-tag-agenda-15-december-2022.pptx)

1. Chair presents administrative items
   1. Group officers and voting membership
      * Voters: 49 (8 on LMSC)
      * Nearly Voters: 3
      * Aspirant members: 7
      * [802.18 Voters List](https://www.ieee802.org/18/RRTAG_Voters.pdf)
   2. 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)]
   3. IEEE 802 meeting and participant’s guidelines and requirements [[link](http://www.ieee802.org/devdocs.shtml)]
   4. IEEE policies and procedures [[link](https://standards.ieee.org/about/policies/opman/)]
   5. The IEEE SA Individual method participant behavior slide set was presented
   6. Reminder that IMAT is **not** being used for attendance
   7. Online meeting procedures reminder

Chair asks group if there are any questions relating to the IEEE policies. No response, no comments on WebEx Chat window.

1. Chair presents the agenda (slide #9). No questions or comments on the agenda.
2. **Administrative:**  
   1. **Motion #1 (internal):** To approve the agenda as shown on previous slide

Moved by: Stuart Kerry

Seconded by: Ben Rolfe

Discussion? None

Vote: Approved with unanimous consent

* 1. Chair presented draft meeting minutes from 8 December 2022 RR-TAG weekly teleconference. No one had questions or comments.  
      **Motion #2 (internal):** To approve the weekly meeting minutes of the 8 December 2022 RR-TAG call as shown in the document [18-22/0155r1](https://mentor.ieee.org/802.18/dcn/22/18-22-0155-01-0000-weekly-teleconference-minutes-8-december-2022.docx), with editorial privilege for the 802.18 Chair.

Moved by: Al Petrick

Seconded by: Amelia Andersdotter

Discussion? None.

Vote: Approved with unanimous consent

1. **Status of ongoing consultations** ([18-22-0035r50](https://mentor.ieee.org/802.18/dcn/22/18-22-0035-50-0000-status-of-ongoing-consultations-and-tag-documents-for-approval.docx)), Edward Au (Chair)  
     
   The Chair reminded the group of the submission deadline for the consultations.
2. **General items**
   1. **Europe**The EU Commission has published a new decision (320222D2303) on use of WAS/RLAN in vehicles, covering 5 GHz band technologies by June 2023.   
        
      ETSI BRAN was able to avoid the technical vote previously announced. A compromise solution was found during the last meeting of ETSI BRAN of 2022. The new rule is a base energy detection threshold of -85 dBm/Mhz, with a PSD scaling. For equipment with with low PSD transmissions, the scaling rule allows for an energy detection thresholds up to the -62 dBm that is defined in the IEEE 802.11 standard. After withdrawal of the current version 2.1.1 of EN 301 893, the new rule will also apply to devices that are sold already today. Once the new version of EN 301 893 does come into force, new sales of existing equipment may need to be adjusted to comply with version 2.2.1 of EN 301 893.  
        
      ETSI BRAN is also continuing to engage with the assessment procedure of the European Commission.   
        
      ETSI BRAN has adopted responses to comments from the European Commission on already published standards. If the European Commission finds these comments satisfactory, the harmonized standards can go on to be listed in the Official Journal in the European Union.  
        
      **C:** Are the comments from the European Commission technical or editorial?  
      **C:** Using 5 GHz as an example, the harmonized standard produced by ETSI BRAN is first reviewed by ETSI's editHelp! service. editHelp!'s review targets formatting, layout etc. edithelp!'s does not address technical details like equations or parameters as this stage. After the layout and formatting are reviewed, the harmonized standard will be sent to an assessment where it's reviewed against legal certainty, technical certainty, and the legal framework that it's intended for. This could include options for testing, for instance tests that have to be performed and that don't have to be performed.   
        
      Since Harmonised Standards are considered part of EU legislation, the European Commission expects them to include tests that are reproducibly leading to binary results (pass/fail). One could say that the EC would love to see pseudo-code; if a robot performed them, there should still be an outcome YES (product is approved for market) or NO (product is not approved) that is predictable. After the assessment, ETSI TC BRAN will take the assessor's comments into consideration and prepare the HS for EN Approval Procedure (ENAP). The European Commission review, which follows the final publication of the HS (after ENAP gas completed), is oriented towards the legal certainty. In this sense, there are two external review stages which focus on both technical and legal parameters.  
      **C:** This is very focused on IEEE 802.11. Is that because there is no focus on 802.15?  
      **C:** The 5 GHz is focused on WAS/RLAN. ETSI BRAN was originally formed to develop HiperLAN2. HiperLAN and IEEE 802.11 both use the same PHY layer. HiperLAN2 never made it to the market, so the group reoriented its activities towards more generic technology activities but has been dominated by 802.11 players. In 6 GHz it's a bit different. There is now a mandate for the 6 GHz that says frequency hopping should be allowed. Requirements for placing ultra-wide band technologies on the market are described in other harmonized standards which over-lap in frequency ranges with WAS/RLAN and are not developed by BRAN.
   2. **Americas**  
        
      The FCC open commission meeting is scheduled for 10:30AM ET on 21 December 2022.
   3. **Asia-Pacific**

No updates since last meeting.

* 1. **Other countries or regions?**  
       
     No updates since last meeting.

1. **Reminder of future meetings**  
     
   Next ISUS Ad-hoc call will be 16 December 2022 at 12-13h ET.  
     
   All IEEE 802.18 between 22 December and 4 January are canceled. Weekly teleconferences will resume after the winter holidays on 5 January, ISUS Ad-hoc calls will resume on 6 January.  
     
   Reminder of IEEE 802 Wireless Interim meeting in Baltimore, Maryland, US has a standard registration deadline of 6 January 2022.
2. **Any other business**

Chair called for AOB. None heard.  
  
Chair thanks everybody for a good year.

1. **Final administrative items**

15 attendees, 14 voters (including the chair) [Report by Stuart Kerry].

* 1. Next 802.18 weekly teleconference is scheduled for 5 Jan 2023, 15:00 ET. Next 802.18 plenary in-person and teleconference calls scheduled for week: 15 Jan to 20 Jan 2023.
     + 1. Call in info: https://mentor.ieee.org/802.18/dcn/16/18-16-0038-29-0000-teleconference-call-in-info.pptx
       2. IEEE 802 Wireless Interim meeting is 15-20 January 2023 in Baltimore, Maryland, US.
       3. Currently, RR-TAG weekly teleconferences are scheduled until 25 May 2023.
       4. All late changes/cancellations will be sent out to the 802.18 list server.
       5. Overall IEEE 802 schedule: <https://ieee802.org/16/cal-temp.html> or only 802.18: [IEEE 802.18 TAG Calendar](https://calendar.google.com/calendar/embed?src=c2gedttabtbj4bps23j4847004@group.calendar.google.com&ctz=America%2FNew_York)
  2. Adjourn:
* Any objection to Adjourn? None heard.
* Adjourn at 15:49 ET

**ATTENDANCE (Weekly Meeting Attendance Names and Affiliations):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Voting Attendees:** | | | | **15-Dec** |
| 1 | **Andersdotter** | Amelia | Sky Group/Comcast | **x** |
| 2 | **Au** | Edward (Kwok Shum) | Huawei Technologies Co., Ltd | **x** |
| 3 | **Fang** | Yonggang | MediaTek | **x** |
| 4 | **Hiertz** | Guido | Ericsson GmbH | **x** |
| 5 | **Jeffries** | Timothy | FutureWei Technologies, Inc. | **x** |
| 6 | **Kain** | Carl | USDOT, Noblis, Inc. | **x** |
| 7 | **Kerry** | Stuart | OK‐Brit, Self | **x** |
| 8 | **Levy** | Joseph | InterDigital, Inc. | **x** |
| 9 | **Lynch** | Michael | MJ Lynch & Associates, LLC. | **x** |
| 10 | **Petrick** | Al | Skyworks Solutions Inc. | **x** |
| 11 | **Pirhonen** | Riku | NXP Semiconductors | **x** |
| 12 | **Powell** | Clint | Meta Platforms, Inc.; Powell Wireless Commsulting, LLC | **x** |
| 13 | **Rolfe** | Benjamin | Blind Creek Associates | **x** |
| 14 | **Stanley** | Dorothy | Hewlett Packard Enterprise | **x** |
|  |  |  |  |  |
| **Non-Voting Attendees:** | | | | **15-Dec** |
| 1 | **Halasz** | Dave | Morse Micro | **x** |