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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group  mmWave (mmW) Ad-Hoc  31 August 2022 | | | | |
| Date: 01 September 2022 | | | | |
| Author: | | | | |
| Name | Company | Address | Phone | email |
| Rich Kennedy | Unlicensed Spectrum Advocates. LLC | Austin, TX |  | rkennedy1000@gmail.com |
|  |  |  |  |  |

Abstract

This document constitutes the minutes of the IEEE 802.18 Radio Regulatory Technical Advisory Group mmWave Ad-Hoc for 31 August 2022 at 3:00 PM ET.

Chair: Rich Kennedy (Unlicensed Spectrum Advocates, LLC)

Secretary: Rich Kennedy (Unlicensed Spectrum Advocates, LLC)  
Attendance: Stuart Kerry (OK-Brit, Self)

IEEE SA Program Manager: Jodi Hassz (IEEE SA)

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

These are the minutes of the IEEE 802 RR-TAG mmWave Ad-Hoc teleconference on Wednesday, 31 August 2022 at 3:00 PM ET.

1. Chair calls the meeting to order at 15:03 ET.

Agenda slide deck [18/22-0106r1](https://mentor.ieee.org/802.18/dcn/22/18-22-0106-01-0mmW-mmwave-ad-hoc-meeting-2-agenda.pptx)

1. Chair presents administrative items
   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)]
   2. IEEE 802 meeting and participant’s guidelines and requirements [[link](http://www.ieee802.org/devdocs.shtml)]
   3. IEEE policies and procedures [[link](https://standards.ieee.org/about/policies/opman/)]
   4. The IEEE SA Individual method participant behavior slide set was presented
   5. Reminder that IMAT is **not** being used for attendance
   6. Online meeting procedures reminder

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

1. Chair presents the agenda (slide #10). No discussion on agenda. Agenda is approved by unanimous consent.
2. Chair discussed the minutes from the 24 August 2022 mmWave Ad Hoc meeting
   1. Chair asked if there were any comments on the minutes. None heard.
   2. Chair asked if there was any objection to approving the minutes by unanimous consent. None heard, the minutes are approved.
3. Main discussion
   1. Chair discussed reviewed the results from the first meeting, held one week prior.
      * Introduced the plan, its purpose, the work involved and the outcomes
      * Separated the efforts in the two band to get started, with volunteers for the two major components:
        1. 45 GHz: Rich Kennedy (Unlicensed Spectrum Advocates, LLC)
        2. 60 GHz: Hassan Yaghoobi (Intel)
        3. Other: Ben Rolfe (Blind Creek Associates) – notified via email
           1. Ben has a timeslot conflict
        4. Additional volunteers pending approval by employers
      * Discussed presenting information about this group to the UHR SG
        1. In Waikoloa or Bangkok
   2. Chair asked if there were any comments. There were none.
   3. Chair discussed proposed input to the UHR SG and displayed document 11-22/1398r0
      * Preliminary document in [11-22/1398r0](https://d.docs.live.net/365e0a31cecd9040/Huawei/Huawei%20work%20documents/IEEE%20documents/mmWave%20Ad%20Hoc/11-22-1398-00-0uhr-rr-tag-mmwave-spectrum-survey-intro.pptx)
      * Once this group approves it, will request timeslot in September
      * Comments?
   4. Chair asked if there were any comments.
      * Joe asked why only China, the EU and US are mentioned on slide 3.
      * Chair replied that they represent the primary issues as China has very little opportunity for expansion in mmWave bands, and that the EU and US are typically leaders in regulatory changes of this type.
      * Hassan asked that the first two bullets be clarified – additional text was added.
      * Chair said he would add an additional bullet to clarify these items.
      * Chair continued review of the document.
      * Chair stated he would make additional changes based on the discussion and send a revised version for the group to approve next week.
      * Joe questioned whether this ad hoc group could “approve” a document or if it is the job of the full TAG to approve it.
      * Chair clarified that the ad hoc group would develop a consensus and the full TAG would do the approval.
   5. Chair briefly discussed slide 13.
      * The US FCC rules are typically followed all or in part by many other regulatory domains, especially in the Americas
      * ETSI rules are typically followed all or in part by much of EMEA and Australia/New Zealand
   6. Chair displayed slides 14 – 20, the detailed “First Look” at the ITU-R Radio Regulations, the FCC regulations and the ECC regulations for the 45 GHz band.
      * Chair stated that next steps include doing the same for the 60 GHz band.
   7. Chair displayed slide 22 and asked for Recommendations from the group. Suggestions were added to the slide.
      * Process
        1. Two documents: 45 GHz and 60 GHz
        2. Collecting information
        3. Determination of complexity for global acceptance
      * Document to be the final outcomes of the studies
        1. Results of studies
        2. Recommendations for each band
   8. Chair asked if there were any additional volunteers.
      * Edward volunteered to supply (and translate or have translated) the China regulations.
   9. Chair asked if there was any other business. No one raised other issues.
   10. Adjourn:

* Any objection to Adjourn? None heard.
* Adjourn at 15:58 ET

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Voting Attendees:** | |  |  | **31-Aug** |
| 1 | **Au** | Edward (Kwok Shum) | Huawei Technologies Co., Ltd | **x** |
| 2 | **Fang** | Yonggang | MediaTek | **x** |
| 3 | **Kain** | Carl | USDOT, Noblis, Inc. | **x** |
| 4 | **Kennedy** | Richard | Unlicensed Spectrum Advocates, LLC | **x** |
| 5 | **Kerry** | Stuart | OK‐Brit, Self | **x** |
| 6 | **Levy** | Joseph | InterDigital, Inc. | **x** |
| 7 | **Palm** | kiwin (Stephen) | Broadcom Corporation | **x** |
| 8 | **Stanley** | Dorothy | Hewlett Packard Enterprise | **x** |
| 9 | **Yaghoobi** | Hassan | Intel Corporation | **x** |
|  |  |  |  |  |
| **Non-Voting Attendees:** | | |  | **31-Aug** |
| 1 | **Pare** | Thomas | MediaTek | **x** |
| 2 | **Shen** | Andy | Futurewei, U.S. Subsidiary of Huawei | **x** |