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

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| Radio Regulatory Technical Advisory Group  mmWave (mmW) Ad-Hoc  24 August 2022 | | | | |
| Date: 25 August 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 mmWave Ad-Hoc for 24 August 2022 at 3:00 PM ET.

Chair: Rich Kennedy (Huawei Paris)

Secretary: Rich Kennedy (Huawei Paris)  
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, 24 August 2022 at 3:00 PM ET.

1. Chair calls the meeting to order at 15:07 ET.

Agenda slide deck [18/22-0103r2](https://mentor.ieee.org/802.18/dcn/22/18-22-0103-02-0mmW-mmwave-ad-hoc-meeting-1-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. Main discussion
   1. Chair discussed the reasons why this is an important project.

The recent and future 802.11 standards focus on the 6 GHz band

* + - This band is limited to ~500 MHz in many regulatory domains
    - China and other countries have no spectrum available for unlicensed use in this band
    - IEEE 802.11 created the 11aj standard for operation in the 45 GHz band (CMMW) and should consider it for future 802.11 standards
    - IEEE 802.11 has created two standards that operate in 60 GHz bands

mmWave band spectrum can support these requirements for years to come

* + - Over 5 GHz of spectrum could be made available globally in mmWave bands
    - For the IEEE 802.11 UHR SG and TG (Ultra High Reliability SG/TG)
    - For other IEEE 802 wireless groups
  1. Chair asked if there were any comments. There were none.
  2. Chair discussed the expected outcomes from this work
     + Determine the best start and end frequencies that minimize sharing challenges
     + Catalog all of the incumbents including national variations
     + Review the historical record of interference mitigation with similar incumbents
     + Determine if there are any uncharted interference issues that might present difficult challenges
     + Propose a plan that can achieve the goal of sharing in each of these bands in the majority of regulatory domains
  3. Chair asked if there were any comments. There were none.
  4. Chair outlined a proposed plan to get the work started.
     + Start: Review of ITU-R Radio Regulations and accessible national radio regulations
     + Next: Review documented interference mitigation methods used to convince regulators to share the 6 GHz band, e.g., ECC Report 302
       1. <https://docdb.cept.org/document/10170>
       2. Many of the experts who developed this will be working on UHR
  5. Chair asked if there were any comments. There were none.
  6. Chair discussed the plan for delivering the work product to the target groups.
     + Meet with UHR SG early in their process; September of November to discuss the plans of the mmWave Ad Hoc
     + Meet with IEEE 802.15 group during opening or closing plenary September or November
       1. They currently have no specific requirements
  7. Chair asked if there were any comments. There were none.
  8. Chair asked for volunteers to work on the 45 GHz study, the 60 GHz study and study of any other potential bands
     + Chair took the 45 GHz band. There were no other volunteers
     + Chair aske Hassan Yaghoobi (Intel) to volunteer for the 60 GHz effort, as it was he who made this a requirement. He accepted, but there were no additional volunteers.
     + Ben Rolfe, who requested the group also support IEEE 802.15, was not on the call, so the Chair volunteered him to consider other bands.
     + Others stated they would have to check with their employers before volunteering.
  9. Chair asked if there was any other business. No one raised other issues.
  10. Adjourn:
* Any objection to Adjourn? None heard.
* Adjourn at 15:45 ET

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

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| **Voting Attendees:** | |  | |  | | **24-Aug** | |
| **Andersdotter** | Amelia | | Comcast | | **x** | |
| **Kennedy** | Richard | | Huawei Paris | | **x** | |
| **Kerry** | Stuart | | OK‐Brit, Self | | **x** | |
| **Nikolich** | Paul | | Self, HPE, Huawei, Wyebot, UNH BCoE, YAS BBV, Origin Wireless | | **x** | |
| **Petrick** | Al | | Skyworks Solutions Inc. | | **x** | |
| **Scott** | Andy | | NCTA – The Internet & Television Association | | **x** | |
| **Yaghoobi** | Hassan | | Intel Corporation | | **x** | |
|  |  | |  | |  | |
| **Non-Voting Attendees:** | | | |  | | **24-Aug** | |
| **Halasz** | Dave | | Morse Micro | | **x** | |
| **Shen** | Andy | | Futurewei, U.S. Subsidiary of Huawei | | **x** | |
| **Sosack** | Robert | | Molex | | **x** | |