IEEE 802.18

Radio Regulatory-TAG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 25 Jun 20 | | | | |
| Name | Affiliation | Address | Phone | Email |
|  |  |  |  |  |
| Author and Officer presiding: | | | | |
| Jay Holcomb,  Chair, RR-TAG | Itron | Liberty Lake, (Spokane) WA | +1(509) 891-3281 | jholcomb@ieee.org |

Abstract

Minutes of the IEEE 802 RR-TAG Teleconference.

These are the Minutes of the IEEE 802 RR-TAG Teleconference, Thursday, 25 Jun 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **25jun** | **18jun** | **11jun** | **04jun** | **28may** | **21may** | **14may** | **07may** | **30apr** |
| Auluck | | Vijay | Self Employed | **x** |  | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Boldy | | David | Broadcom |  |  |  |  | **x** |  |  |  |  |
| de Vegt | | Rolf | Qualcomm Incorporated |  |  |  |  |  |  |  | **x** |  |
| Ecclesine | | Peter | Cisco Systems, Inc. | **x** |  |  | **x** | **x** | **x** | **x** |  | **x** |
| Fang | | Yonggang | ZTE TX Inc | **x** |  |  |  | **x** |  | **x** | **x** | **x** |
| Harrington | | Tim | Pro ID & UWB Alliance | **x** | **x** |  | **x** | **x** | **x** | **x** |  | **x** |
| Holcomb | | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | | Tim | FutureWei | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** |  |
| Jones | Vincent Knowles IV | | Qualcomm Incorporated |  |  |  |  |  |  |  | **x** |  |
| Kain | | Carl | Noblis, Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kenney | | John | Toyota ITC |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kerry | | Stuart | Ruckus/CommScope | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lepp | | James | BlackBerry |  |  |  |  |  |  |  |  | **x** |
| Lynch | | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Nikolich(lmsc) | | Paul | Self and others | x |  | x | x | x |  | x | x | x |
| Rolfe | | Ben | Blind Creek Assoc. & UWB All. | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |  |
| Stanley (lmsc) | | Dorothy | HPE | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Yaghoobi | | Hassan | Intel Corporation | **x** |  | **x** |  | **x** | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | | **Affiliation** | **Attendance** | | | | | | | | |
| **25jun** | **18jun** | **11jun** | **04jun** | **28may** | **21may** | **14may** | **07may** | **30apr** |
| Andersdotter | | Amelia | | Self |  |  |  |  |  | **x** | **x** | **x** |  |
| Au | | Edward | | Huawei |  |  |  |  |  | **x** | **x** | **x** | **x** | |
| D’Ambrosia(lmsc) | | | John | FutureWei |  |  |  |  |  | **x** | **x** |  |  | |
| Goldberg | | | Jonathon | IEEE staff | **x** |  |  |  |  |  |  |  |  | |
| Levy | | Joseph | | Interdigital | **x** | **x** | **x** | **x** |  |  | **x** | **x** | **x** | |
| Madhavan | Narendar | | | Ericsson |  | **x** |  |  |  |  |  |  |  | |
| Rosdahl(lmsc) | | Jon | | Qualcomm |  |  |  |  |  | **x** |  |  |  | |
| Schiessl | | Sebastian | | u-blox |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | |
| Ward | | Lisa | | Rohde&Schwarz |  |  | **x** |  |  | **x** |  | **x** | **x** | |
| Yucek | | Tevfik | | Qualcomm |  |  |  |  | **x** | **x** |  |  |  | |

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

1. Chair presents slides 2 – 6 of 802.18-20/0096r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0096r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes, Jay
      2. Attendance and queue (in chat window), Stuart K
   3. Approve agenda & last minutes
      1. Latest on moving forward
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. FCC R&O and FNPRM on 6 GHz
      4. General Discussion Items
   5. Actions required
      1. Anything new today
   6. AOB and Adjourn
3. Chair presents slides 8 - 10 Administrative – Motions and more
   1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Stuart Kerry (Ruckus/Comscope)

Seconded by: Vijay Auluck (self)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 18 June 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0095-00-0000-minutes-18jun20-rrtag-teleconference.docx> 18-Jun-2020 23:38:00 ET, with editorial privilege for the 802.18 chair.

Moved by: Stuart Kerry (Ruckus/Comscope)

Seconded by: Ben Rolfe (Blindcreek Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. Administrative – more
* Travel Survey results:
* <https://mentor.ieee.org/802-ec/dcn/20/ec-20-0114-02-00EC-ieee-802-session-attendee-survey-results.xlsx>

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **2020-09** | **2020-11** | **Q1 2021** | **Q2 2021** | **Late 2021** | **2022+** |
| **North America** | 19% | 35% | 74% | 87% | 96% | 99% |
| **Asia** | 3% | 35% | 57% | 71% | 90% | 98% |
| **Europe** | 16% | 30% | 60% | 77% | 94% | 99% |

**September 13-18 Grand Hyatt Atlanta in Buckhead, Atlanta Georgia, USA**

**November 8-13 Marriott Marquis Queen's Park, Bangkok, Thailand**

**January 10-15 Hotel Irvine, Irvine, CA, USA**

**March 14-19 Hyatt Regency Denver at Colorado Convention Center**

**May 9-14 Hilton Panama, Panama City, Panama**

**July 11-16 Marriott Madrid Auditorium, Madrid, Spain**

**September 12-17 Hilton Waikoloa Village, Kona, HI, USA**

**November 14-19 Hyatt Regency Vancouver, Vancouver Canada**

* + 1. For September 2020 Wireless Interim (Atlanta) , the Wireless Chairs met and have postponed this interim to first available NAM wireless slot. (Today it is Jan 2024)
    2. For November 2020 Plenary (Bangkok), the LMSC call on 07July will decide.
    3. For July 2020 Plenary:
       1. LMSC motion to temporarily change rules for a July 2020 electronic Plenary, passed
       2. The plenary will start Friday 10 July 20 13:00 EDT, with an EC meeting
       3. And close on Friday 24 July 20 17:00 EDT, with an EC meeting.
    4. For the RR-TAG, we will have 2 meetings during a plenary session, which will be:
       1. 1) Thursday, 16 July 2020, 15:00-17:00 EDT (opening)
       2. 2)  Thursday, 23 July 2020, 15:00-17:00 EDT (closing)
          1. As RR-TAG has done in plenaries, **it will take attending both for attendance credit.**
          2. Call-in is in back up slides here, on the 802.18 web site and an email soon.
       3. **IMAT has been setup** to take attendance for all WGs and TAGs for the 2 weeks.
          1. Will do roll call and watch Webex also.
    5. Elections will be held, for RR-TAG, during meeting on 16 July 20.
       1. Nominations have been re-opened per the email on 15 June 20 (Monday).
       2. Nominations will close on 01 July 2020 – AoE. Send to 802.18 chair.
       3. The current 802.18 Chair will run for re-election.
       4. Remember, officers must be IEEE SA members
       5. And Chairs and Vice-Chairs require letters of endorsement and affiliation to the IEEE 802 recording secretary ahead of time.

1. Chair presents slides 11-12, **EU items to share**
   1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next call, meeting #107, 28Sep-02Oct20**
   2. This week #106, 22-26Jun20; Online
      1. This week: #106, 22-26Jun20; Online 🡨 this week
      2. Compromise on energy detect and reached an agreement with a liaison going out for comments. (IEEE 802 is on list and will receive the liaison)
      3. BRAN(20)106003 60 GHz work item for c2
      4. 66-71GHz (band C2) new work item being studied for IMT.
      5. Below 66 was already for mobile
      6. BRAN(20)106009r2 Multiple Access Points Performance Testing
      7. This is for 5GHz band, BRAN will decide Friday to add this work item or not
      8. Trying to find a time for web meetings, and not opposite WP5A late July
   3. **CEPT –** [**<ECC>**](https://cept.org/ecc/groups/ecc/client/introduction/) **(themselves) next call, #53 Plenary, 29Jun-03Jul20**
      1. Will discuss 6 GHz, ECC is preparing for many viewpoints to work through.
      2. Draft decisions can come out of this meeting. Many [] #s will be decided on.
   4. **CEPT – ECC** [**<SE45>**](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meetings:**
      1. SE45#12 (Part 1): 27-28 August 2020 (13:30–18:30 CEST)
      2. SE45#12 (Part 2): 21-23 September 2020 (13:30–18:30 CEST)
      3. From WGFM sent LS to WG SE to study OOB, Frequency Use, etc. in parallel with public consultation and report back to FM57 ahead of Oct 5 comment resolution meeting.
   5. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call, meeting #11, 08-10Jul20; (#12-05-07Oct20)**
      1. Collected new work items, 1) Review decision 0408, frequency by country process.
      2. Another work item on Urban Rail, using 5GHz BRAN Standard, with frequencies to be discussed.
2. Chair presents slide1 13, **ITU-R items to share**
   1. **nothing to share today**
3. Chair presents slides 14 -16, **FCC R&O and FNPRM 6GHz**
   1. CHAIRMAN PAI PROPOSES NEW RULES FOR THE 6 GHz BAND, UNLEASHING 1,200 MEGAHERTZ FOR UNLICENSED USE News Release: [Docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D363451A1.docx&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=qkYmo1P6XmH1YvH1UkP-tyoCfcURwF2UYPYmrj-ahdc&s=C2AkcvEPrUX932nUH8F7u7RFWhncPxXDubaY_WcjOgY&e=)
      1. The Report and Order authorizes two different types of unlicensed operations: standard-power in 850-megahertz of the band and indoor low-power operations over the full 1,200-megahertz available in the 6 GHz band. An automated frequency coordination system would prevent standard power access points from operating where they could cause interference to incumbent services.
      2. Preceding:
         1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
      3. R&O is effective 27July20,
         1. <https://www.federalregister.gov/documents/2020/05/26/2020-11236/unlicensed-use-of-the-6-ghz-band?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email>
   2. APCO, AT&T and EEI have filed for a Stay, see 18-295 proceeding link above for more.
      1. 30 days for FCC to rule on these.
      2. Several oppositions to the stay and several for the stay.
      3. The stay filing deadline was 25Jun20. (Today)
      4. All 3 will go to First Circuit Court of appeals. Do not know when the trial is, expect will be sooner, tbd.
   3. Reconsiderations (have till 29Jul20) and will be after the stays are dealt with.
   4. FCC R&O 6 GHZ – MSG
      1. One - Mutli-stake holder group (MSG)getting together 31 July to discuss 6 GHz and what happens in the band. Focus is on formation of the group.
      2. There are 2 multi-stake holder groups, Winn Forum and WFA
      3. The is just a start of many meetings and calls and activities.
      4. Will discuss in upcoming calls.
   5. FNPRM as approved on 24 Apr 20 is on Mentor: - standing by.
      1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0062-02-0000-fcc-r-o-fnprm-promoting-unlicensed-use-of-the-6ghz-band-et-18-295.docx> 31 Seek Comments
      2. In Federal Register today (28th): <https://www.federalregister.gov/documents/2020/05/28/2020-11320/unlicensed-use-of-the-6-ghz-band?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email>
      3. Comments due: 29June20;
      4. Reply Comments due: 27July20.
4. Chair presents slides 17, General discussion items
   1. None today.
5. Chair presents slide 18, Actions required
   * **Nothing specific**

* Start to consider what are IEEE 802 viewpoints are for WRC-23 agenda items.
  1. Ongoing:
     1. WPT use of license-exempt bands and UWB in cell phones
     2. Digital Divide, how can we help?

1. Chair presents slide19 Any Other Business
   1. FYI: IEEE SA Awards - Nomination Period is Open
      1. Please share this with your participants and encourage them to nominate deserving 802 volunteers for the below awards.
      2. Regards,
      3. --Paul
   2. Please see <https://beyondstandards.ieee.org/general-news/2020-ieee-standards-association-awards-nominations-are-open/?mkt_tok=eyJpIjoiTkRBMFpXUXdaRFkzT0RNMSIsInQiOiJtd1dqKzdHNlRKYUF5MWgrVnp6VzM1MUZMS096R08xaWpCWEFvSlZsR3RLODlTYVNib05JbmpRQ09PNWRoRHFZRlhHc2FUZlAxN3dPNFV2TzAxSTIwNExxdHVranBnZGhZWlZOeFRaZEJPcnZGNTBmbXU3bHNkbjZSdEFMU0NhOSJ9>
2. Chair presents slide 20, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 02 July 20–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-15-0000-teleconference-call-in-info.pptx> (*or latest)* ***(new – weekly call in starts 30july20)***
         1. Or back up slide in this agenda.
      2. All late changes/cancellations will be sent out to the 802.18 list server.
      3. Now on the IEEE Webex teleconference calendar: <http://ieee802.org/802tele_calendar.html>
      4. And Overall schedule, works in progress: <http://ieee802.org/16/cal-temp.html>
   2. Plenary on 16 & 23 July has a different call-in, see back up slides.
   3. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:59et
   4. **The next face to face meeting is tbd.**
   5. **Thank You**