IEEE 802.18

Radio Regulatory-TAG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 02 Jul 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, 02 Jul 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **02jul** | **25jun** | **18jun** | **11jun** | **04jun** | **28may** | **21may** | **14may** | **07may** |
| 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** |  |
| Fang | | Yonggang | ZTE TX Inc |  | **x** |  |  |  | **x** |  | **x** | **x** |
| Harrington | | Tim | Pro ID & UWB Alliance |  | **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 |  |  |  |  |  |  |  |  |  |
| Lynch | | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Nikolich(lmsc) | | Paul | Self and others |  | x |  | x | x | x |  | x | x |
| Rolfe | | Ben | Blind Creek Assoc. & UWB All. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Stanley (lmsc) | | Dorothy | HPE | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Yaghoobi | | Hassan | Intel Corporation |  | **x** |  | **x** |  | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | | **Affiliation** | **Attendance** | | | | | | | | |
| **02jul** | **25jun** | **18jun** | **11jun** | **04jun** | **28may** | **21may** | **14may** | **07may** |
| Andersdotter | | Amelia | | Self |  |  |  |  |  |  | **x** | **x** | **x** |
| Au | | Edward | | Huawei |  |  |  |  |  |  | **x** | **x** | **x** | |
| D’Ambrosia(lmsc) | | | John | FutureWei |  |  |  |  |  |  | **x** | **x** |  | |
| Goldberg | | | Jonathon | IEEE staff |  | **x** |  |  |  |  |  |  |  | |
| Levy | | Joseph | | Interdigital |  | **x** | **x** | **x** | **x** |  |  | **x** | **x** | |
| Madhavan | Narendar | | | Ericsson | **x** |  | **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 802.18-20/0098r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0098r01, 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: Ben Rolfe (Blindcreek Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 25 June 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0097-00-0000-minutes-25jun20-rrtag-teleconference.docx> 27-Jun-2020 00:25:16 ET, with editorial privilege for the 802.18 chair.

Moved by: Vijay Auluck (self)

Seconded by: Ben Rolfe (Blindcreek Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward**
* 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.
  1. **Straw poll on who on the call how would attend the November Plenary in Bangkok, with what you know today? Yes-4, No-6** 
     1. One note: there is dependency on travel capability. E.g. Open borders, company travel policies, etc.
  2. **Administrative –July Plenary**
     1. 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.
     2. 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.
     3. Elections will be held, for RR-TAG, during meeting on 16 July 20.
        1. .18 Nominations closed last night-01 July 2020 – AoE. No Additional nominations.
        2. The current 802.18 Chair will run for re-election.
        3. Remember, officers must be IEEE SA members
        4. 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**
      1. nothing to share
   2. **CEPT –** [**<ECC>**](https://cept.org/ecc/groups/ecc/client/introduction/) **(themselves) next call, #53 Plenary, 29Jun-03Jul20**
      1. nothing to share
   3. **CEPT – ECC** [**<SE45>**](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next calls: #12, 27-28Aug and 21-23Sep20**
      1. nothing to share
   4. **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. nothing to share
2. Chair presents slide1 13, **ITU-R items to share**
   1. The 2 ITU-R WP 5A contributions from the 802.11 Ad Hoc group that .18 and LMSC approved, are with our IEEE 802 ITU-R liaison to upload in the next week.
      1. This is for the WP5A call coming up on 20 July 20.
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
      4. All 3 will go to First Circuit Court of appeals. Expect it will be sooner, tbd.
   3. **There have been several Petitions of Reconsiderations filed** 
      1. And a Public Notice that Oppositions must be filed within 15 days once in Fed. Reg. for 4 petitions, APCO, CTIA, FWCC, Verizon.
   4. FCC R&O 6 GHZ – MSG
      1. There is 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.
         1. WInn Forum and WFA are initial organizations and others may join in.
         2. The is just a start of many meetings and calls and activities.
         3. 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; Many comments filed
      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. **FCC has cut off Universal Service Fund from 2 specific companies.**
   2. [**https://www.fcc.gov/document/fcc-designates-huawei-and-zte-national-security-threats**](https://www.fcc.gov/document/fcc-designates-huawei-and-zte-national-security-threats)
   3. Money in FCC's Universal Service Fund Can No Longer Be Used on Equipment and Services from These Suppliers

1. Chair presents slide 20, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 09 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 15:26et
   4. **The next face to face meeting is tbd.**
   5. **Thank You**