IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 07 May 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, 07 May 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **07may** | **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** | **03apr** |
| Auluck | | Vijay | Self Employed | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Berens | | Friedbert | FBConsulting Sarl |  |  |  |  |  | **x** | **x** | **x** |  |
| Boldy | | David | Broadcom |  |  | **x** |  | **x** |  |  |  |  |
| de Vegt | | Rolf | Qualcomm Incorporated | **x** |  |  |  |  |  |  |  |  |
| Ecclesine | | Peter | Cisco Systems, Inc. |  | **x** | **x** | **x** |  |  |  |  |  |
| Fang | | Yonggang | ZTE TX Inc | **x** | **x** | **x** | **x** | **x** |  |  |  |  |
| Harrington | | Tim | Pro ID & UWB Alliance |  | **x** | **x** | **x** | **early** |  |  |  |  |
| Holcomb | | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | | Tim | FutureWei | **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** |  |  | **x** |  |  |  |  |
| Lynch | | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** | **x** |  |  |  |  |
| Nikolich(lmsc) | | Paul | Self and others | x | x |  | x | x |  |  |  | x |
| Rolfe | | Ben | Blind Creek Assoc. & UWB All. |  |  |  |  |  |  |  |  |  |
| Sarris | | Ioannis | u-blox |  |  |  |  | **x** |  |  |  |  |
| Stanley (lmsc) | | Dorothy | HPE | **x** |  |  | **x** | **x** |  |  |  |  |
| Yaghoobi | | Hassan | Intel Corporation | **x** | **x** | **x** |  |  |  |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **07may** | **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** | **03apr** |
| Andersdotter | Amelia | Self | **x** |  |  |  |  | **x** | **x** | **x** | **x** |
| Au | Edward | Huawei | **x** | **x** | **x** | **x** | **x** |  |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** | |
| Roy | Dick | Self |  |  |  |  | **x** |  | **x** | **x** | **x** | |
| Schiessl | Sebastian | u-blox | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | |
| Lisa | Ward | Rohde&Schwarz | **x** | **x** | **x** |  | **x** |  |  |  |  | |

Chair calls the meeting to order at 15:02 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0077r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0077r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes:
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. ITU-R M.1450/M.1801 submissions
      4. FCC FNPRM on 6 GHz
      5. General Discussion Items
   5. Actions required
      1. FCC FNPRM on 6 GHz anything for IEEE 802
      2. Anything new today
   6. AOB and Adjourn
3. Chair presents slide 8, Administrative – Motions and more
   1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Stuart Kerry (Ruckus/CommScope)

Seconded by: Vijay Auluck (Self)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 30 April 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0076-00-0000-minutes-30apr20-rrtag-teleconference.docx> 01-May-2020 10:29:50 ET, with editorial privilege (report 316 spelling)

Moved by: Vijay Auluck (Self)

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: Approved by unanimous consent

* 1. **The July face to face in Montreal, Quebec, Canada has been cancelled.**
     1. LMSC is actively working on allowing for suspension of OM procedures for extraordinary external circumstances for a period of time.
        1. E.g. allow for virtual meetings to be used for (at least some) procedures that required face to face meetings, e.g. to get PARs approved, plenaries, voting rights, etc. More to come.

1. Chair presents slides 9-10-12, EU items to share
   1. **Many of the f2fs are turning into multiple longer calls over a few weeks.** 
      1. Nothing new, from last week: The groups continue working on the process for the long calls.
         1. And now they are overlapping with other calls, this is an issue.
   2. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #106, 22-26Jun20; Online – calls over a week+** 
      1. 60 GHz call today. Then more calls next week on preamble detection.
      2. Still looking at Bran 106 in June, 5 days of calls.
      3. In general, watch for additional calls with so much going on.
      4. Question what is discussion on 60 GHz?
         1. Getting feed back from E&Y consultants and implementing that feedback.
            1. This is between 2nd & 3rd consultant reviews, the process for a Harmonized Standard now.
   3. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) next calls, 29Apr, 14May
      1. Invite/Info on 14 May call just came out. More on the SRDoc.
      2. 802.11 has rcvd the doc from TG-11, power limits on spatial streams.
         1. 802.11 Co-Ex SC is reviewing the liaison. See document 11-20/0706
   4. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) next meeting #11, 14-29Apr20, online only 🡸 3 weeks
      1. SE45 back on remission.
   5. **CEPT – ECC** [<WGFM>](https://cept.org/ecc/groups/ecc/wg-fm/client/introduction/) **next meeting #96, 08-12June20, on-line**
      1. ECC Report 316 has to be good for 08-12 June call.
      2. For Report B need to get the regulatory language correct.
   6. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #10, 12-15May20, online only**
      1. Once report B is done, then to WGFM later in May, then to ECC.
2. **Chair presents slide1 11, ITU-R items to share**
   1. Nothing to share today
3. Chair presents slides 12-13 **ITU-R M.1450/M.1801 updates** 
   1. **From 802.11 ad hoc, ITU-R M.1450/M.1801 updates**
   2. Latest drafts now on .18 mentor:
   3. <https://mentor.ieee.org/802.18/dcn/20/18-20-0061-00-0000-itu-ahg-recommended-edits-to-m-1450-5.docx>
   4. [https://mentor.ieee.org/802.18/dcn/20/18-20-0060-00-0000-itu-ahg-recommended-edits-to-m-1801-2.docx](https://mentor.ieee.org/802.18/dcn/20/18-20-0062-00-0000-fcc-draft-r-o-nprm-promoting-unlicensed-use-of-the-6ghz-band-et-18-295.pdf)
4. **Setting some dates so ready for LMSC teleconference 02June.**
   1. **Last input 30 April to the author, no input seen.**
   2. Plan was to vote today, will discuss if ready.
5. **Met with key people 25Mar20, Current plan**
   1. Submission of 802.11 ITU AHG recommendations to 802.11 & .18 after 30Mar meeting
   2. Presenting to 802.18 in detail after 30Mar.
   3. 802.18 to ask for EC Approval for submission to WP 5A
      * Approve in .18 in May, at latest.
      * Goal is 02Jun20 EC meeting for IEEE 802 approval
   4. Working Party 5A Meeting (DELAYED), now meeting dates are: 20-30 July 2020
   5. Deadline for contributions16:00 hours UTC: Monday, 13 July 2020
      * Plan to have ITU liaison upload to ITU-R WP5A, 1st week of July
   6. 802.11 ITU AHG Monitoring WP5A after July 2020 for any needed contributions going
6. Motion: Move to approve documents <https://mentor.ieee.org/802.18/dcn/20/18-20-0061-02-0000-itu-ahg-recommended-edits-to-m-1450-5.docx> and [https://mentor.ieee.org/802.18/dcn/20/18-20-0060-02-0000-itu-ahg-recommended-edits-to-m-1801-2.docx](https://mentor.ieee.org/802.18/dcn/20/18-20-0060-00-0000-itu-ahg-recommended-edits-to-m-1801-2.docx) for ITU-R M.1450 and M.1801 updates, respectively. For review and approval by the LMSC (EC) for submission to ITU-R WP 5A via ITU-R Liaison before 2 weeks before ITU-R WP 5A next meeting. The Chair of 802.18 is authorized to make editorial changes as necessary.

Moved by: Hassan Yaghoobi (Intel)

Seconded by: Dorothy Stanley (HPE)

Discussion? none

Vote: \_13\_Y / \_0\_\_N / \_0\_\_A

Voters: Vijay, Rolf, Peter, jay, TimJ, Vincent, Carl, JohnK, Stuart, MikeL, Paul, Dorothy, Hassan.

Motion - Passes

\_18\_ on the call

1. Chair presents slides 14-15, **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. If adopted, the draft Report and Order would authorize 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:
      3. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
      4. FNPRM as approved on 24 Apr 20 is on Mentor:
      5. <https://mentor.ieee.org/802.18/dcn/20/18-20-0062-01-0000-fcc-r-o-fnprm-promoting-unlicensed-use-of-the-6ghz-band-et-18-295.docx>
      6. Anything for IEEE 802 as a whole to consider? \_\_\_\_\_\_\_\_\_
      7. Nothing brought up today
2. Chair presents slide 16, General discussion items
   1. **IEEE 802 Public Outreach / NPRM on 5.9 GHz, SC Chair wants to stay focused on document and not personalize.**
      1. @IEEE802 reply to FCC on use of the 5.9 GHz Band may be found at [https://bit.ly/3aCaXA1](https://urldefense.com/v3/__https:/bit.ly/3aCaXA1__;!!F7jv3iA!kbqmG5u4ntF7GVC99EXHt7Ao_zgZWBPNTrv9hS7ABuXNzN5PnbDq9m_27A76f_RAlw$) - endorsing IEEE Std 802.11-based DSRC as best suited for V2X.
   2. **RR-TAG/802.18 new calendar in the works.**
   3. **LMSC working on a new overall IEEE 802 calendar, it is sill in a temporary spot (under 802.16):** [**http://ieee802.org/16/cal-temp.html**](http://ieee802.org/16/cal-temp.html)
      1. Top right corner there is drop down and can get to 802.18 only, in the different views.
      2. Or at the bottom is a link to the focused 802.18 calendar used.
         1. [IEEE 802.18 WG Calendar (tentative)](https://calendar.google.com/calendar/embed?src=c2gedttabtbj4bps23j4847004%40group.calendar.google.com&ctz=America%2FNew_York)
      3. Which is also on the 802.18 home page now.
         1. **Schedule of Teleconferences and Face to Faces:**[<<click here for full calendar>>](https://calendar.google.com/calendar/embed?src=c2gedttabtbj4bps23j4847004%40group.calendar.google.com&ctz=America%2FNew_York) **select meeting, go to more details near bottom**
3. Chair presents slide 17, Actions required
   * **Review 6 GHz FNPRM, if anything for IEEE 802 as a whole to consider?**
   * **Chair, editorial on last week’s minutes and send to list server about new call in starting next week.**

* **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 slide18 Any Other Business
   1. 3GPP meetings until end of August are all on-line.
   2. Next week will have the 2-month APAC update.
   3. 18 in attendance, 13 voters.
2. Chair presents slide 19, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 14May20–*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 – starting 14 May 20)***
      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**](http://ieee802.org/802tele_calendar.html)
      4. **Starting 14 May, there will be a new call-in, using the IEEE Seat 4 webex**
         1. From the calendars, select meeting, then go to ‘more details’ at the bottom, to get to active link.
         2. Or, on the .18 web page or in the next call-in doc18-16-0038r15, or a backup slide in agenda
   2. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:45et
   3. **The next face to face meeting is tbd. Note, Montreal in July is cancelled.**
   4. **Thank You**