IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 30 Apr 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, 30 Apr 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** | **03apr** | **02apr** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Berens | Friedbert | FBConsulting Sarl |  |  |  |  | **x** | **x** | **x** |  |  |
| Boldy | David | Broadcom |  | **x** |  | **x** |  |  |  |  | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  |  |  |  |  |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** | **x** |  |  |  |  |  | **x** |
| Fang | Yonggang | ZTE TX Inc | **x** | **x** | **x** | **x** |  |  |  |  | **x** |
| Harrington | Tim | Pro ID & UWB Alliance | **x** | **x** | **x** | **early** |  |  |  |  | **x** |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei |  | **x** | **x** |  |  |  |  |  | **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** |
| Lansford | Jim | Qualcomm |  |  |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry | **x** |  |  | **x** |  |  |  |  | **x** |
| Lynch | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** |  |  |  |  | **x** |
| Nikolich(lmsc) | Paul | Self and others | x |  | x | x |  |  |  | x | x |
| Palm | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  |  |  |  |  |  |  |  |  |
| Sarris | Ioannis | u-blox |  |  |  | **x** |  |  |  |  |  |
| Shellhammer | Steve | Qualcomm |  |  |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  | **x** | **x** |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** |  |  |  |  |  |  | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** | **03apr** | **02apr** |
| Andersdotter | Amelia | Self |  |  |  |  | **x** | **x** | **x** | **x** |  |
| Au | Edward | Huawei | **x** | **x** | **x** | **x** |  |  |  |  |  | |
| Goldbberg | Jonathan | IEEE |  |  |  |  |  |  |  |  |  | |
| Haskou | Abdullah | Interdigital |  |  |  |  |  |  |  |  |  | |
| Hervieu | Lili | Cable TV Labs |  |  |  |  |  |  |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** | **x** | |
| Roy | Dick | Self |  |  |  | **x** |  | **x** | **x** | **x** | **x** | |
| Schiessl | Sebastian | u-blox | **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 802.18-20/0075r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0075r01, 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. Public Visibility Standing Committee
      4. ITU-R M.1450/M.1801 submissions
      5. FCC FNPRM on 6 GHz
      6. 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 23 April 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0074-00-0000-minutes-23apr20-rrtag-teleconference.docx> 24-Apr-2020 10:09:29 ET

Moved by: Vijay Auluck (Self)

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: Approved by unanimous consent

* 1. **The July face to face plenary in Montreal, Quebec, Canada has been cancelled.**
     1. Per email, hotel will be cancelled automatically if you booked through IEEE 802 site/link.
     2. At the LMSC ad hoc this week on how to move to virtual meetings, discussion started on gaining and loss of voting rights without face to face meetings.
        1. What about affiliation updates and elections?
           1. Elections are being discussed in the LMSC call next week (5th), for affiliation updates should be able to go into myProject and update (and let the chair know).
        2. For voting rights, the last couple of plenaries should be kept in mind, e.g. where they were.

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. The groups continue working on the process for the long calls.
      2. And now they are overlapping with other calls, this is an issue.
   2. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) next calls, 29Apr, 14May
      1. Call today (30th) on the SR-Doc.
         1. Processed 7 docs today, a few key folks will be setting up for continuing on the 14May call.
         2. To set PSD per spatial streams is being worked. Liaison was approved to come over to 802.11. It should go to 802.11 co-ex SC in the end. See Doc: ERMTG11(20)000016 (FCC did this for LPI)
   3. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) next meeting #11, 14-29Apr20, online only 🡸 last, this, next week.
      1. Completed its work and just attached the Sweden analysis, [SE45(20)011A2R1](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/meeting-documents/file-history/?fid=58383), to Repot 316 for submitting to WGSE, 11-15May. WGSE has only one day to turn into FM57.
         1. P2108 on clutter is controversial. So what clutter to consider? Chair of FM57 end of SE45 call, let there be clutter. Considering clutter makes the band usable.
      2. UK fixed links short-term sharing studies proposed for an input doc to WGSE, [SE45(20)Info005](https://cept.org/Documents/se-45/58470/se45-20-info005_degradation-in-performance-study-for-rlans-on-uk-fixed-links). (Who has best study is up to WGSE).
      3. SE45 back on remission.
   4. CEPT – ECC [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) next meeting #10, 12-14May20, 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 slide1 12, IEEE 802 Public Outreach / NPRM on 5.9 GHz**
   1. **Public Visibility Standing Committee**
      1. Scope is to raise industry awareness in timely fashion of IEEE 802 WG / TAG activities
      2. And develop social media content based on IEEE 802 WG / TAG activities for distribution on approved IEEE 802 social media channels
      3. Twitter
      4. LinkedIn (to be developed)
      5. Looking for anyone to work on the SC, with the 802 recording secretary, to pass along any noteworthy items from 802.18/RR-TAG?
      6. Anyone\_\_\_\_\_\_\_
   2. **For our new IEEE 802 public outreach program, what would work to put on Twitter for IEEE 802 reply comments to the 5.9 GHz NPRM?** 
      1. A Suggestion:
      2. @IEEE802 reply to FCC on use of the 5.850-5.925 GHz Band may be found at <https://bit.ly/3aCaXA1>. DSRC meets @IEEE802 criteria for V2X. #IEEE802.
   3. Ended up with to send in:
   4. **@**IEEE802 reply to FCC on use of the 5.9 GHz Band may be found at <https://bit.ly/3aCaXA1>. We endorse IEEE Std 802.11-based DSRC as best suited for V2X.
   5. Chair of SC would like to keep focus on the report, not personalize and edited to:
      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.
4. Chair presents slides 13-14 **ITU-R M.1450/M.1801 updates – standing by**
5. **From 802.11 ad hoc, ITU-R M.1450/M.1801 updates**
   1. Latest drafts now on .18 mentor:
   2. <https://mentor.ieee.org/802.18/dcn/20/18-20-0061-00-0000-itu-ahg-recommended-edits-to-m-1450-5.docx>
   3. [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)
6. **One note came up in review last week, look at the M.1801 and if 802.11af, TV white space, needs any updates, or not?**
7. **Setting some dates so ready for LMSC teleconference 02June.**
   1. **Last input 30 April to the author, no input seen.**
   2. 802.18 to vote 07 May, +/- other agenda items.
8. **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
9. Chair presents slide 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. For a reasonable review, need a full meeting.
      8. Goal then to have the next teleconference or two to be focused on this.
      9. No comment due date yet, though may need to consider ad hocs, when appropriate. ….
10. Chair presents slide 16, General discussion items
    1. None today
11. Chair presents slide 17, Actions required
    * **Review 6 GHz FNPRM, if anything for IEEE 802 as a whole to consider?**

* **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. 16 in attendance, 12 voters.
2. Chair presents slide 19, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 07May20–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-14-0000-teleconference-call-in-info.pptx> (or latest)
      2. All late changes/cancellations will be sent out to the 802.18 list server.
   2. **Note: current call-in, r14 is good through 07 May and is not on the IEEE new teleconference calendar.** <http://ieee802.org/802tele_calendar.html>
      1. **Starting 14 May, there will be a new call-in, using the IEEE Seat 4 webex**
      2. You can copy out of the calendar and past into word to get link or go to ‘more details’ at the bottom.
      3. Or, on the .18 web page or in the next call-in doc18-16-0038r15, **or a backup slide here.**
   3. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:56et
   4. **The next face to face meeting is tbd. Note, Montreal in July is cancelled.**
   5. **Thank You**