IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 19 Mar 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, 19 Mar 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **19mar** | **18mar** | **17mar** | **16mar** | **13mar** | **12mar** | **11mar** | **05mar** | **27feb** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Boldy | David | Broadcom |  |  |  | **x** |  |  |  | **x** | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  |  |  |  |  |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** | **x** |  |  | **x** |  | **x** | **x** |
| Fang | Yonggang | ZTE TX Inc |  |  |  |  |  | **x** |  | **x** | **x** |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei |  |  |  |  |  |  |  |  |  |
| 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** | **x** |
| Kerry | Stuart | Ruckus/CommScope | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** |
| Lansford | Jim | Qualcomm | **x** |  |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry |  |  |  |  |  | **x** |  |  | **x** |
| Lynch | Mike | MJLynch Assoc | **x** |  |  |  |  |  |  | **x** | **x** |
| Nikolich(lmsc) | Paul | Self and others | x | x |  |  | x | x |  |  | x |
| Palm | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** |  |  |  |  | **x** |  | **x** |  |
| Salaszar | Ruben | Landis & Gyr |  |  |  |  |  |  |  |  |  |
| Sand | Stephen | DLR |  |  |  |  |  |  |  |  |  |
| Sarris | Ioannis | u-blox |  |  |  |  |  |  |  | **x** | **x** |
| Shellhammer | Steve | Qualcomm |  |  |  |  |  |  |  |  | **x** |
| Stanley (lmsc) | Dorothy | HPE | **x** |  |  |  |  |  |  |  | **x** |
| Yaghoobi | Hassan | Intel Corporation | **x** |  |  |  | **x** | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **19mar** | **18mar** | **17mar** | **16mar** | **13mar** | **12mar** | **11mar** | **05mar** | **27feb** |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  |  |  |  |  | |
| Au | Edward | Huawei |  |  |  |  |  |  |  |  |  | |
| Goldbberg | Jonathan | IEEE | **x** | **x** | **x** |  |  |  |  |  |  | |
| Hamilton | Mark | Ruckus/CommScope |  |  |  |  |  |  |  |  |  | |
| Haskou | Abdullah | Interdigital |  |  |  |  | **x** |  |  |  |  | |
| Hervieu | Lili | Cable TV Labs |  |  |  |  |  |  |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** | |
| Lisa | Ward | Rohde&Schwarz |  |  |  |  |  | **x** |  |  |  | |
| Roy | Dick | Self | **x** | **x** | **x** | **x** |  |  |  |  | **x** | |
| Schiessl | Sebastian | u-blox | **x** | **x** | **x** | **x** |  |  |  | **x** | **x** | |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  |  | |

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

1. Chair presents slides 2 – 6 of 802.18-20/0041r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/00341r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Peter Ecclesine (Cisco)
   3. Approve agenda & last minutes
      1. Warsaw is cancelled.
      2. Approve teleconference moving forward
   4. Discussion items
      1. FCC NPRM on 5.9GHz reply comments
      2. If time permits:
         1. EU Items
         2. ITU-R Items
         3. ITU-R M.1450/M.1801 submissions
      3. General Discussion Items
   5. Actions required
      1. FCC NPRM on 5.9 GHz to EC Ballot if approved
      2. Anything new today
   6. AOB and Adjourn
3. Chair presents slides 8 & 9, 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 12 Mar 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0035-00-0000-minutes-12mar20-rrtag-teleconference.docx> 12-Mar-2020 18:51:33 ET

Moved by: Stuart Kerry (Ruckus/CommScope)

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Warsaw Wireless Interim is cancelled.** 
     1. Notification came out this morning.
  2. **Teleconferences moving forward**

**Motion: The 802.18 Chair or Chair designee is directed to conduct, as necessary, teleconferences on Thursdays at 15:00 ET through 03 September 2020.**

Moved by: Stuart Kerry (Ruckus/CommScope)

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: \_10\_Y / \_0\_N / \_0\_A

Voters: Vijay, Peter, jay, Carl, John, Stuart, JimL, Paul, Dorothy, Hassan

**Motion - Passes**

\_14\_ on the call

* + 1. Side note, will be changing over to using the IEEE 802 Webex (seat 4).
    2. <http://ieee802.org/802tele_calendar.html>

1. Chair presents slides 10-12, FCC NPRM on 5.9 GHz reply comments
   1. **FCC NPRM on 5.9 GHz reply comments** 
      1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-02-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx> **(🡺r**01**/02 Fed. Reg. some updates.)**
   2. **Proceeding 19-138:**
      1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
      2. NTIA/DOT comments were posted today (16th)
         1. <https://ecfsapi.fcc.gov/file/10313251510165/5.850-5.925%20GHz%20Band%2C%20ET%20Dkt%20No.%2019-138.pdf>
   3. **Reply comments due Monday 06 April**
      1. For Friday(20th) EC close will have a discussion topic on the motion and ballot
      2. Current plan will be to start the 10-day LMSC(EC) ballot.
         1. **need to approve today Thursday, 19March.**
   4. **A summary of the comments has been done with focus on 3 points:** 
      1. Pro/Con/Neutral – Supportive of reallocation of 45 MHz from ITS to U-NII
      2. Pro/Con/Neutral - Commented on DSRC
      3. Yes/No - Discussed technical issues regarding OOBE
      4. <https://mentor.ieee.org/802.18/dcn/20/18-20-0038>
   5. The reply comments document from ad hocs, ready for final run through review and approval:
      1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0045-03-0000-reply-comments-fcc19-138-nprm-revisiting-5-850-5-925-ghz-band.docx>
   6. Or , we replace section 1 with a submission that came in yesterday (Wed):
      1. Text sent out this morning on list server, however many changes in last few hours.
         1. Being this is going to EC, we will need to review this new section 1 text that is longer, in detail.
      2. With 45 minutes and it takes 10-15 to go through the ballot and hard stop at :55…
      3. We needed to decide if we have time to go through all the text of the proposed change along with the rest of the text, or stay with the version finished in the ad hocs?
      4. The replacement marked up text arrived about 10 minutes into the meeting.
      5. We set a time limit to get through them and when that limit came we were only on point 2 of 5 and still in discussion.
   7. With that we moved to the revision 0045r03 that was finished at previous ad hoc and was on mentor.
   8. We went through r03 and found some grammar that needed to be fixed and were ready for a vote.
      1. C: one member had some concerns in a couple of areas, though others were very comfortable it was stated correctly.
   9. **FCC NPRM – reply comments Revisiting-use-of-the-5850-5925-MHz-band**
   10. **Motion:** Approve reply comments in <https://mentor.ieee.org/802.18/dcn/20/18-20-0045-03-0000-reply-comments-fcc19-138-nprm-revisiting-5-850-5-925-ghz-band.docx> ; to FCC NPRM (ET Docket No. 19-138) on Use of the 5.850-5.925 GHz Band. For review and approval by the LMSC (EC) for uploading to the FCC on or before 05 April 2020. With the Chair of 802.18 authorized to make editorial changes, as necessary.

Moved by: Stuart Kerry (Ruckus/Comm Scope)

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? none

Vote: \_10\_Y / \_1\_N / \_1\_A

Voters: Vijay, Peter, jay, Carl, John, Stuart, JimL, MikeL, Paul, Ben, Dorothy, Hassan

**Motion - Passes**

\_16\_ on the call

* 1. A member brought up that an executive summary could help up front and the discussion was the Chair could add that as an editorial. The chair would work with the member (and one of the non-members offered to help).

1. Chair presents slides 16 & 17, **ITU-R M.1450/M.1801 updates**
   1. **From 802.11 ad hoc, ITU-R M.1450/M.1801 updates**
      1. Quick review, will address next week.
      2. Latest drafts:
      3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0253-05-0itu-itu-ahg-m-1450-5-edits.docx>
      4. [https://mentor.ieee.org/802.11/dcn/20/11-20-0254-05-0itu-itu-ahg-m-1801-2-edits.docx](https://mentor.ieee.org/802.11/dcn/20/11-20-0254-03-0itu-itu-ahg-m-1801-2-edits.docx)
2. Chair presents slides 18, General discussion items
   1. **Warsaw, May wireless interim**
      1. is cancelled.

* 1. **APAC update March 2020** (wait till 26Mar)
     1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0033-00-0000-apac-update-march-2020.pptx>

1. Chair presents slide 19, Actions required
   * **Chair to submit FCC NPRM on 5.9 GHz. Reply comments to EC for approval**
   * **Char to make r04, fixing grammar and add simple exec summary.**
   * **ITU-R THz SM.2352 submission (from last July) for approval at March Plenary from 802.15 Terahertz IG, inputs?**
   1. Soon (after current submissions):

* **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 slide 20 Any Other Business
   1. Have heard a possible extension to reply comments, due to CoVID-19
   2. Chair will hold off starting 10 day ballot a few days but be setup to meet current - 6 April deadline.
   3. Can we stop ballot? Chair will check with IEEE 802 1st vice-chair (rules) what are the circumstance with stopping a ballot.
2. Chair presents slide 21, Adjourn
   1. **Next weekly teleconference (scheduled to 07May): 26Mar20–*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. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 16:01et
   3. The next face to face meeting is tbd, possibly Montreal in July. Stay tuned.
   4. **Thank You**