IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 12 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, 12 Mar 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **12mar** | **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** | **x** |  |  |  |  |  |
| Boldy | David | Broadcom |  |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  |  | **x** |  |  |  | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** |  | **x** | **x** | **x** | **x** |  | **x** | **x** |
| Fang | Yonggang | ZTE TX Inc | **x** |  | **x** | **x** |  | **x** |  |  |  |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei |  |  |  |  | **x** |  |  |  | **x** |
| Kain | Carl | Noblis, Inc. | **x** | **x** | **x** | **x** |  |  |  | **x** | **x** |
| Kenney | John | Toyota ITC | **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** | **x** | **x** |  | **x** | **x** |
| Lynch | Mike | MJLynch Assoc |  |  | **x** | **x** |  |  |  |  | **x** |
| Nikolich(lmsc) | Paul | Self and others | x |  |  | x | early | early | **x** |  |  |
| Palm | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** |  | **x** |  |  |  | **x** |  |  |
| Salaszar | Ruben | Landis & Gyr |  |  |  |  | **x** |  |  |  |  |
| Sand | Stephen | DLR |  |  |  |  | **x** |  |  |  |  |
| Sarris | Ioannis | u-blox |  |  | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Shellhammer | Steve | Qualcomm |  |  |  | **x** |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  |  | **x** |  |  |  | **x** | **x** |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **12mar** | **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  | **x** |  |  |  | |
| Au | Edward | Huawei |  |  |  |  |  |  |  |  | **x** | |
| Hamilton | Mark | Ruckus/CommScope |  |  |  |  |  |  |  |  | **x** | |
| Haskou | Abdullah | Interdigital |  |  |  |  |  |  |  | **x** |  | |
| Hervieu | Lili | Cable TV Labs |  |  |  |  | **x** |  |  |  | **x** | |
| Levy | Joseph | Interdigital | **x** | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** | |
| Lisa | Ward | Rohde&Schwarz | **x** |  |  |  |  |  | **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 15:03 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0034r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/00314r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Peter Ecclesine (Cisco)
   3. Approve agenda & last minutes
      1. Atlanta Week – From the LMSC(EC)
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. FCC NPRM on 5.9GHz reply comments
      4. General Discussion Items
   5. Actions required
      1. FCC NPRM on 5.9 GHz reply comments
      2. ITU-R SM.2352 submission feedback
      3. Anything new today
      4. Later: WRC-xx Agenda Items, interest to IEEE 802
   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: Hassan Yaghoobi (Intel)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 05 Mar 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0032-00-0000-minutes-05mar20-rrtag-teleconference.docx> 06-Mar-2020 20:13:15 ET

Moved by: Peter Ecclesine (Cisco Systems)

Seconded by: Stuart Kerry (Ruckus/CommScope)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Atlanta Plenary, the EC meetings will be held at the scheduled ATL times.**
     1. Monday 8et/5pt and Friday 1et/10pt, will be conducted as if there in a Plenary, w/voting.
     2. At this point 802.18 will treat as normal non-face-to-face week.
        1. So teleconference Thursday 3pm-et / noon-pt and any ad hocs as planned (see later item below).

1. Chair presents slides 9-10, EU items to share
   1. Remember – BRAN documents can be found in the 802.11 private area documents
   2. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meetings #105, 23–27Mar20, Sophia-Antipolis 🡸 f2f - cancelled**
      1. More go-to meetings coming for remote participation for meeting #105.
   3. **ETSI** [<ERM>](https://portal.etsi.org/tb.aspx?tbid=286&SubTB=286) **next meeting #70, 17-20Mar20, Sophia Antipolis, FR**  🡸 ?
      1. Working on going to remote participation, likely f2f cancelled.
   4. **SE45, FM57, ECC WGs are all CEPT, going online until April 15**
   5. **Please be advised that all face-to-face meetings of CEPT groups planned between now and the end of March, and several meetings planned for April, have now been cancelled, postponed or replaced by web meetings. Furthermore, the number of CEPT administrations which have put in place travel restrictions continues to increase.**
   6. **CEPT–ECC** [<ECC>](https://cept.org/ecc/groups/ecc/client/introduction/)  **50th plenary last week, 04-08March20, Brighton, UK** 
      1. Review the minutes (in link above) has lots of new information.
      2. Updates in last week’s meeting with changes/updated to ITS specs; see CEPT report 71.
         1. Expanded 30MHz to 50MHz for traffic safety, channels 176-184
         2. Expanded ITS spectrum 70 to 80 MHz, the 10 MHz is for Urban Rail, 5925-5935MHz
2. Chair presents slide 11, ITU-R items to share
   1. nothing to share today
3. Chair presents slides 12-14, 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. 389 filings Tuesday night / 10th.
   3. **Reply comments timeline due Monday 06 April**
      1. For Friday EC close or 10-day LMSC ballot, need to approve next Thursday, 19March in either case.
      2. From the 802 chair it is on the closing meeting agenda.
   4. **Are there comments that we should consider reply comments on?** 
      1. A summary of the comments, is being worked but need contributions?
      2. 3 members working through 389 filings to categorize for 3 points.
         1. Pro/Con to NPRM/split – informative as we are neutral
         2. C-V2X / DSRC (DSRC/IEEE pro/con)
         3. OOBE commented in detail or not
   5. **Most are Con comments to the NPRM/not in favor of the band split.**
      1. 7 of initial 44 - are for splitting of the band, 37 want to maintain the ITS band. (see last point)
      2. Many are tech. neutral, then split between DSRC / C-V2X / etc. after that.
   6. **Potential direction, for reply comments:** 
      1. Stay away from band split, we are neutral , though a big point by many.
      2. Maybe can respond to pro-C-V2X comments with our pro-DSRC.
      3. What about anti-DSRC (/IEEE) comments? This may be a priority.
      4. Should consider “fit for purpose” needs to be considered and can support comments with this.
         1. We can support and stay band split neutral
   7. **For breakdown of most of the 389 filings in the 3 categories in:** 
      1. [**https**](https)[**://mentor.ieee.org/802.18/dcn/20/18-20-0038-00-0000-nprm-19-138-5-9-ghz-comment-review.pptx**](https://mentor.ieee.org/802.18/dcn/20/18-20-0038-00-0000-nprm-19-138-5-9-ghz-comment-review.pptx)
   8. Proposed timeline
   9. Thursday – which comments to dig deeper into.
   10. Ad hoc Fri 13th - 3pm–et-2hr (call-in in backup slides in agenda)
       1. put the points/sections/outline together on our potential comments.
   11. (call-in in backup slides in agenda) (call-in in backup slides in agenda)
       1. Core doc in place, by end of Monday, e.g. primary sections ID’d
   12. Ad hoc Tues 17th - 3pm–et-2hr (call-in in backup slides in agenda)
       1. Doc is coming together

* 1. Ad hoc Wed 18th - 3pm–et-2hr (call-in in backup slides in agenda)
     1. need to finish reply comments for a clean version for Thursday vote.
  2. Normal 802.18 Thursday 19th is target for .18 approve
     1. Extremely fast read and vote.
  3. 20March, Friday – EC close will bring up on agenda –

1. Chair presents slides 15, General discussion items
   1. **Warsaw, May wireless interim**
      1. The wireless chairs are meeting next week. 18 March - Wednesday, 1-et/10-pt

* 1. **APAC update March 2020** (may wait till 26Mah)
     1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0033-00-0000-apac-update-march-2020.pptx>
  2. **From 802.11 ad hoc, ITU-R M.1450/M.1801 updates**
     1. Due to cancellation of the ATL March Plenary, the 802.11 ad hoc will bring the submission to 802.18 for approval and then LMSC(EC) approval for submission to ITU-R.
     2. Stable drafts are available; telecon on 19th to complete the drafts.
     3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0253-03-0itu-itu-ahg-m-1450-5-edits.docx>
     4. <https://mentor.ieee.org/802.11/dcn/20/11-20-0254-03-0itu-itu-ahg-m-1801-2-edits.docx>
     5. Then will send to 802.11 listserver, then look for endorsement 802.18, then to EC 10day ballot from .18
     6. Timing is in the next week or two, as it needs to be at ITU-R WP5A by 13 April
  3. **From 802.15.3d, ITU-R SM.2352 on THz communications needs updates.** 
     1. 802.15.3d has a draft of a submission to ITU-R on updates needed on SM.2352 to be passed through .18 this spring and approved to send by first of May.
        1. <https://mentor.ieee.org/802.15/dcn/19/15-19-0276-03-0thz-ieee-802-15-tag-thz-input-to-the-revision-of-itu-r-sm-2352.docx>
     2. Reviewing now with ITU-R liaison and preparing to bring to .18 soon.

1. Chair presents slide 16, Actions required
   * **Reply comment contribution for FCC NPRM on 5.9 GHz.**
     + **Chair to send out call-in info for ad hoc calls**
   * **ITU-R THz SM.2352 submission (from last July) for approval at March Plenary from 802.15 Terahertz IG, inputs?**
   1. Soon (after 5.9 GHz and Ofcom):

* **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 17 Any Other Business
   1. FCC working from home and open meeting likely a telecon., and no vistors in the building.
   2. <https://docs.fcc.gov/public/attachments/DOC-363007A1.pdf>
2. Chair presents slide 18, Adjourn
   1. **Next weekly tel8conference (scheduled to 07May): 19Mar20–*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. **Next ad hoc: Friday 13Mar20–*15:00–17:00* ET** 
      1. Call-in sent to list server and in back up slides.
   3. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 15:57et
   4. The next face to face meeting (so far.) of the 802.18 RR-TAG will be at IEEE 802, 11-15 May 2020 Wireless Interim in Marriott Hotel, Warsaw, Poland
      1. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start)–remember no reciprocal from other WGs
   5. (Book rooms soon for Montreal 12-17Jul Plenary)
   6. **Thank You**