IEEE 802.18

Radio Regulatory-TAG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 19 Dec 2019 | | | | |
| 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 Dec 2019

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** | **17oct** | **03oct** | **12sep** |
| Auluck | Vijay | Self Employed |  | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** |  |  | **x** | **x** | **x** | **x** | **x** |
| Harrington | Tim | Pro ID & UWB Alliance | **x** |  |  |  |  |  |  | **x** |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jefferies | Tim | FutureWei | **x** |  |  |  |  |  |  |  |  |
| Kain | Carl | Noblis, Inc. | **x** | **x** | **x** |  |  |  |  |  |  |
| Kenney | John | Toyota ITC | **x** | **x** | **x** |  | **x** |  |  |  |  |
| Kerry | Stuart | Ruckus/ |  |  |  |  | **x** |  |  | **x** | **x** |
| Lansford | Jim | Qualcomm |  | **x** |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry | **x** | **x** |  | **x** |  |  |  |  |  |
| Lynch | Mike | MJLynch Assoc | **x** |  | **x** | **x** |  | **x** | **x** | **x** |  |
| Mody | Apurva | AIRANACULUS |  |  |  |  |  |  |  | **x** | **x** |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** | **x** | **x** | **x** |  | **x** |  | **x** |  |
| Sarris | Ioannis | u-blox |  |  | **x** |  |  |  |  |  |  |
| Scott | Andy | NCTA |  |  |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE | **x** | **x** |  |  |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** |  |  |  | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** | **17oct** | **03oct** | **12sep** |
| Aboul-Magd | Osama | Huawei |  |  |  | **early** |  |  |  |  |  |
| Au | Edward | Huawei |  | **x** |  | **x** |  |  |  |  |  |
| Hervieu | Lili | Cable TV Labs | **x** |  | **x** |  |  |  |  |  |  |
| Levy | Joseph | Interdigital | **x** |  | **x** | **x** |  |  | **x** | **x** |  |
| Perkins | Richard | Qorvo | **x** |  |  |  |  |  |  |  |  |
| Yucek | Tevfik | Qualcomm | **x** |  |  |  |  |  |  |  |  |

Chair calls the meeting to order at 15:03 ET.

1. Chair presents slides 2 – 6 of 802.18-19/0158r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-19/0158r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Peter E.
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. FCC 5.9 GHz FCC’s draft NPRM
      4. Ofcom Consultation license exempt
      5. General Discussion Items
   5. Actions required
      1. FCC 5.9 GHz NPRM contributions
      2. Ofcom consultation comments
      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: Peter Ecclesine (Cisco))

Seconded by: Hassan Yaghoobi (Intel)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion**: **To approve the minutes from the IEEE 802.18 Teleconference 12 Dec 2019 in document** [**https://mentor.ieee.org/802.18/dcn/19/18-19-0156-00-0000-minutes-12dec19-rrtag-teleconference.docx**](https://mentor.ieee.org/802.18/dcn/19/18-19-0156-00-0000-minutes-12dec19-rrtag-teleconference.docx) **13-Dec-2019 10:49:43 ET**

Moved by: Peter Ecclesine (Cisco))

Seconded by: Hassan Yaghoobi (Intel)

Discussion? None

Vote: Approved by unanimous consent

* 1. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help?** nothing heard

1. Chair presents slides 9-10, EU items to share
   1. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #10, 20-22Jan20, Prague, Czech Republic**
      * 1. Italy meeting minutes are posted now, after controversy on them. Can be found at the link in the line above.
   2. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #9, 22-24Jan20, Prague, Czech Republic** 
      1. Outcomes from FM 57 are downloadable from the FM57 site, link in the line above.
2. Chair presents slide 11, ITU-R items to share
   1. Update needed on ITU-R M.1450 (Characteristics of broadband RLANs)
      1. 802.11 chair setup an ad hoc group with chair to work on feedback to ITU-R on M.1450. (and M.1801).
      2. The plan is to file direct as an 802.11 submission, not an IEEE 802 submission.
      3. Please participate if you can, watch for the meetings and possible calls.
      4. See: <http://www.ieee802.org/11/email/stds-802-11/msg04021.>[html](http://www.ieee802.org/11/email/stds-802-11/msg04021.html)
3. Chair presents slide 12-16, FCC’s 5.9 GHz NPRM
   1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0150-00-0000-chairman-pais-remarks-new-5-9-ghz-band-proposal.docx>
      1. FCC: <https://www.fcc.gov/document/chairman-pais-remarks-new-59-ghz-band-proposal>
   2. **The NPRM: <<= new OOBE was updated some from the draft.** 
      1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-00-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx>
   3. **Proceeding 19-138:**
      1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
   4. **Draft timeline: <<= updated** 
      1. ***Assume*** Federal Register 4 weeks after the Open Call, 12jan (normal 3 + 1 holiday)
      2. Risk: Chairman Pai wants to fast track this.
      3. They say a 30-day comment period, so 11feb.
      4. Back up 11 days for LMSC(EC) ballot start 31-ish jan,
      5. **So 802.18 would need to approve by 30jan (no pad)**. (will be before March Plenary)
      6. They say a 60-day reply comment period, so 12mar. .18 would need to approve 27feb
   5. **NHTSA new doc this week:** 
      1. [**https://www.nhtsa.gov/about-nhtsa/briefing-room**](https://www.nhtsa.gov/about-nhtsa/briefing-room)
      2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0162-00-0000-v2v-cr-dsrc-wifi-baseline-cross-channel-interference-test-report-pre-final-dec-2019-121219-v1-tag.pdf>
      3. Its full of testing of 802.11ac to 802.11p adjacent channel interference and may be useful for the 5.9GHz NPRM.
   6. 802.11bd met and discussed how to respond to NPRM.
      1. TBD if through .11 for a WG response or through .11/.18/LMSC for an IEEE 802 response.
      2. They will work on comments as needed either direction.
      3. An excellent summary with proposals/beliefs and seek comments summary
         1. <https://mentor.ieee.org/802.11/dcn/19/11-19-2157-00-00bd-status-fcc-nprm-for-the-5-9-ghz-band-for-tgbd.pptx>
   7. In the 11-19/2157 summary please review slide 16, Items 36 and 37. we need .11bd.
      1. One comment made, we need to justify the spectrum we are asking for.
      2. We should consider the list of 75 applications from .11p work, and more have come up since then. These could help justify.
   8. We need to remember to be accurate and also could call out areas in the NPRM that are on question if accurate.
   9. One question in the .11bd meeting was what about general .11 WiFi inputs?
      1. .11md is closed from the initial sponsor ballot, comments on this band were received.
      2. There is support from the general .11 folks in support of the 45 MHz, so the focus comes back to .11bd for comments back to the FCC.
   10. There is some debate between .11 standard and C-V2X, which is better.
   11. Start of specific areas for possible comments:
       1. OOBE and paragraphs 54 and 55 in the draft
       2. C-V2X and our arguments from our previous filings (e.g. 5GAA)
          1. 5GAA has comments today with OOBE.
       3. What to do with the 10 MHz and why.
          1. Actually, maybe we go for 20MHz channel for DSRC in the 30MHz ITS band .(and bring BD into this). There are some seek comments that open this up.
       4. Guard band and/or safety of life
          1. 30MHz - fitness for purpose, the safety functions are to be in the top 30 MHz.
          2. US and EU norms are different for safety, we need to be aware of that.
          3. We need to clearly define safety.
       5. C-V2X - is it release 14 or in general?
          1. E.g. LTE-V2X or 5GNR-V2X
          2. The NPRM is not clear what C-V2X is, general or LTE. We need to be clear.
       6. Next week. we are planning a call on the 26th.
       7. Next weeks / Interim / Ad Hocs? / goal? / … … … :
          1. We can have adhocs the Tuesday after our Thursday calls if needed. Maybe we can have some focused ones on specific areas to do actual comments.
          2. All should look over the seek comments for ones we should comment on. We need to get to specific/clear areas we want to build comments on.
4. Chair presents slide 17, **Ofcom consultation license exempt**
   1. **Ofcom consultation on changes to the licence exemption for Wireless Telegraphy Devices; closing 17 Jan 20 (02jan for us).** [**<click here, long link>**](https://www.ofcom.org.uk/consultations-and-statements/category-3/proposal-changes-licence-exemption-wireless-telegraphy-devices?utm_medium=email&utm_campaign=Ofcom%20consults%20on%20new%20regulations%20for%20short%20range%20wireless%20devices&utm_content=Ofcom%20consults%20on%20new%20regulations%20for%20short%20range%20wireless%20devices+CID_3d9e647de99bfd4993b55510c88bf5d5&utm_source=updates&utm_term=published%20proposals)
      * 1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0160-00-0000-ofcom-consultation-exemptions-wireless-telegraphy.pdf>
        2. To implement the decision on SRD applications within the 874 to 876 and 915 to 921 MHz bands, we are proposing to make the Wireless Telegraphy (Exemption and Amendment) (Amendment) Regulations 2020 and to update the technical requirements for applications contained in UK Interface Requirement (IR 2030). Our proposal will allow several new SRD applications such as networked SRDs and advanced radio-frequency identification devices (RFIDs) to operate on a licence-exempt basis.
      1. Have received some input for possible filing:
         1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0161-00-0000-ofcom-consultation-comments-ieee-802-exemptions-wireless-telegraphy.odt>
      2. Another input on request to add 873 – 874.4 MHz with the 874-876 MHz band, seems it was missed in the consultation.
      3. Will review and edit. (have a week or so to approve)
         1. All please look at the one paragraph.
5. Chair presents slide 18, General discussion items
   1. Nothing today
6. Chair presents slide 19, Actions required
   * **Contributions for 5.9 GHz NPRM, maybe go through the Seek Comments and which ones could we focus on.**
   * **Input on Ofcom proposed brief comments.**
   1. Soon (after 5.9 GHz):

* **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. Nothing heard
2. Chair presents slide 21, Adjourn
   1. Next teleconference: 26 Dec 2019 – 15:00 – <15:55 ET
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-13-0000-teleconference-call-in-info.pptx> (or latest) *(new call in on 09Jan)*
      2. All late changes/cancellations will be sent out to the 802.18 listserver.
   2. Will meet on 02 Jan also.
   3. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 15:53 ET.
   4. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 12–17 Jan. 2019 Wireless Interim in the Hotel Irvine, Irvine, California, USA
   5. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start) – remember no reciprocal from other WGs
   6. **Thank You**