IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 09 Jan 20 | | | | |
| Name | Affiliation | Address | Phone | Email |
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|  | | | | |
| 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, 09 Jan 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **09jan** | **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** |
| Auluck | Vijay | Self Employed | **x** | **x** |  |  | **x** | **x** | **x** | **x** | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. | **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** | **x** |  |  |  |
| Kenney | John | Toyota ITC | **x** |  |  | **x** | **x** | **x** |  | **x** |  |
| Kerry | Stuart | Ruckus/ |  |  |  |  |  |  |  | **x** |  |
| Lansford | Jim | Qualcomm |  |  |  |  | **x** |  |  |  |  |
| Lepp | James | BlackBerry | **x** |  |  | **x** | **x** |  | **x** |  |  |
| Lynch | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** |  | **x** | **x** |  | **x** |
| Mody | Apurva | AIRANACULUS |  |  |  |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** |
| Sarris | Ioannis | u-blox |  |  |  |  |  | **x** |  |  |  |
| Scott | Andy | NCTA |  |  |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  | **x** |  | **x** | **x** |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** |  | **x** | **x** | **x** |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **09jan** | **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  |  | **early** |  |  |
| Au | Edward | Huawei |  | **x** | **x** |  | **x** |  | **x** |  |  |
| Hervieu | Lili | Cable TV Labs |  |  |  | **x** |  | **x** |  |  |  |
| Levy | Joseph | Interdigital | **x** | **x** |  | **x** |  | **x** | **x** |  |  |
| Lisa | Ward | Rohde&Schwarz | **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 802.18-20/0001r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0001r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Peter Ecclesine (Cisco)
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. FCC 5.9 GHz FCC’s NPRM
      4. General Discussion Items
   5. Actions required
      1. FCC 5.9 GHz NPRM contributions
      2. Anything new today
      3. 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: James Lepp (BlackBerry)

Seconded by: Tim Harrington (UWB Alliance)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 02 Jan 2020 in document [https://mentor.ieee.org/802.18/dcn/19/18-19-0167-00-0000-minutes-02jan20-rrtag-teleconference.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0165-00-0000-minutes-26dec19-rrtag-teleconference.docx) 03-Jan-2020 15:17:33 ET

Moved by: \_\_\_\_\_\_\_

Seconded by:

Discussion?

Vote:

* 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. Monday is deadline for submissions for #10, RLAN simulations will be submitted.
      2. Likely simulations from country bodies will also submitted.
      3. This will be the last meeting for SE45 unless re-charted. So could be an important meeting and challenging discussions.
      4. A study to do is for indoors <250mW and Very Low Power (VLP) 14dBm eirp at any locations, e.g. outdoor.
   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. Minutes from last meeting are now posted and everything is there.
      2. The contentious discussions from the last meeting are likely to continue in the January meeting.
2. Chair presents slide 11, ITU-R items to share
   1. Nothing shared.
3. Chair presents slide 12-19, FCC’s 5.9 GHz NPRM
   1. **The NPRM: <<= new OOBE was updated some from the draft.**
   2. 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:**
   4. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
   5. See agenda later slides for details and some historical points already discussed.
      1. OOBE/Interference statements in the NPRM
         1. Question is fitness for purpose of the top 30 MHz.
            1. This will be dependent on what is being deployed in the adjacent band. This is a significant issue for the safety.
            2. A point here is for Safety some believe there needs to be at least a 10MHz guard band to any un-controlled emissions.
         2. Actually privacy also needs to be considered, as it was part of the original efforts.
      2. The current 11ax does not allow for the puncturing in this band.
         1. 11ax is in ballot now though not completely done so could be updated, but this could be controversial.
         2. This is the most meaning point for us to comment on safety and communication.
      3. A comment was made could reference to 802.11p-2010 be updated to 802.11-2016. Is there anyway to bring 11bd into the comments (rules….). Could point to annex D
      4. The service channel from before was not in the NPRM, could it be in the un-licensed band now? How will that be handled in general.
      5. e.g. Factory ships three years worth of certs, and at most need Cert updates every three months, how often does the cert revocation have to be updated. Could operate in 45 MHz RLANs as OCBs without any privileges. Fleet management, software updates could be in other part of the band.
      6. Where is 802.11bd on comments?
         1. Request was put out for input and just one input to date.
         2. They have 2 meetings before the 802.18 Tuesday morning meeting. Will watch for output from them.
      7. Not seeing initial comments to red pen yet, what can be done to get that first draft text?
         1. A member notes the previous filing highlighted evolvable and maintain functionality. With this NPRM designating a 3GPP technology as a main technology do we want to reaffirm the value of those filings, the feedback was yes. Then can add OOBE concerns, safety channel, etc., updates since before.
         2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0008-07-0000-usdot-v2x-communciations-rfc-ieee-802-comments.docx>
         3. [https://mentor.ieee.org/802.18/dcn/19/18-19-0064-05-0000-5gaa-ex-parte-05apr19-response-ieee-80 2-fcc-gn-18-357.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0064-05-0000-5gaa-ex-parte-05apr19-response-ieee-80%202-fcc-gn-18-357.docx)
         4. <https://mentor.ieee.org/802.18/dcn/18/18-18-0159-07-0000-fcc-gn-18-357-5gaa-waiver-ieee-802-comments.docx>
         5. Note the 11bd vice-chair is going to be looking at some of these.
      8. Plans for next week in Irvine? see AOB.
4. Chair presents slide 20-21, General discussion items
   1. Ofcom consultation on changes to the licence exemption for Wireless Telegraphy Devices, LMSC ballot started 6th, with processes to get it going. Will need early close to help make it by deadline.
   2. RSS-210 issue 10 published 20 Dec 19
      1. <http://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf01320.html>
      2. Many miscellaneous updates, PLC, 24GHz, GMRS, FRS, wireless mics, 600MHz, UWB,
      3. (i) extends frequency bands from 57-64 GHz to 57-71 GHz  
         (ii) adds requirements for field disturbance sensors used as short-range devices for  
         interactive motion sensing in the band 57-71 GHz
   3. National Body adoption of IEEE standards.
   4. IEEE SA has created a new program that will be implemented in the first quarter of 2020.  The program will be a more streamlined process for National Body adoption of IEEE standards. The non-editable template agreement will permit country-specific changes and translations. Countries would be able to adopt IEEE standards as national body standards, and include changes they would like to make that, for example, might include changes due to geography, infrastructure, regulatory requirements, etc. In order to determine which standards will be available under this program, IEEE SA will need your input on whether there are standards developed under your Standards Committee where country-specific changes could substantially impact the standard's implementation worldwide (e.g., functionality or interoperability). Please inform your Program Manager by 24 January 2020 of any relevant standards.
   5. At this point LMSC members responding are not for this and we are heading to not participate.
   6. General feedback from attendees is the some, not to participate
5. Chair presents slide 22, Actions required
   * **Comment Contributions for 5.9 GHz NPRM, maybe go through the Seek Comments and which ones to draft up a contribution on.**
   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 23 Any Other Business
   1. **The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 12–17 Jan. 2020 Wireless Interim in the Hotel Irvine, Irvine, California, USA**
      1. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start)
   2. Should some contribution drafting ad hocs be setup, is 11bd doing that?
      1. May need some Ad Hocs for the 5.9GHz NPRM, though lets see how Monday and Tuesday goes then setup.
   3. Any other agenda items beyond the 5.9GHz NPRM? nothing noted.
2. Chair presents slide 24, Adjourn
   1. Next teleconference: 23Jan2020 – 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 listserver.
   2. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 15:55 ET.
   3. Next Plenary:
   4. The next face to face meeting (after next week) of the 802.18 RR-TAG will be at the IEEE 802, 15-20 March 2020 Plenary in Hilton Atlanta, Atlanta, GA, USA
   5. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start)–remember no reciprocal from other WGs
   6. **Thank You**