IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 20 June 2019 | | | | |
| Name | Affiliation | Address | Phone | Email |
|  | | | | |
| Author(s): | | | | |
|  |  |  |  |  |
|  | | | | |
| Author and Officer presiding: | | | | |
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Abstract

Minutes of the IEEE 802 RR-TAG Teleconference.

These are the Minutes of the IEEE 802 RR-TAG Teleconference, Thursday, 20 June 2019

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** | **20jun** |
| Auluck | Vijay | Self Employed | **x** | **x** |  | **x** | **x** |  |  | **x** | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** |  |  | **x** |  | **x** | **x** | **x** |
| Harrington | Tim | Pro ID & UWB Alliance |  | **x** |  |  |  |  | **x** | **x** | **x** |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kain | Carl | Noblis Inc. |  |  |  |  |  |  |  |  |  |
| Kerry | Stuart | ARRIS/Ruckus |  |  | **x** | **x** | **x** | **x** |  | **x** |  |
| Lepp | James | BlackBerry |  |  |  |  |  |  |  |  |  |
| Lynch | Mike | MJLynch Assoc | **x** | **x** | **x** |  | **x** |  | **x** | **x** | **x** |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  | **x** | **x** | **x** | **x** |  |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  | **x** |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  | **x** |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation |  | **x** | **x** |  | **x** | **x** |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | | **Affiliation** | **Attendance** | | | | | | | | |
| **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** | **20jun** |
| Awasthi | | Antriksh | | Ericsson | **x** |  |  |  |  |  |  |  |  |
| Caldwell | | Winston | | Fox |  |  |  |  |  |  |  | **x** | **x** |
| Fischer | | Michael | | NXP Semiconductors |  |  |  |  |  |  |  |  |  |
| Hamilton | | Mark | | Ruckus |  |  |  |  |  |  |  |  |  |
| Kennedy | | Richard | | Self |  |  | **x** |  |  |  |  |  |  |
| Kenney | | John (near v) | | Toyota ITC | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Levy | | Joeseph | | Interdigital |  |  |  |  |  | **x** |  |  | **x** |
| Rajkotia | | Purva | | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben (near v) | | Blind Creek Assoc.& UWB Alliance | |  |  |  | **x** | **x** | **x** | **x** | **x** |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0077r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0077r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Need a recording secretary, Peter Ecclesine (Cisco), thanks!
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. Singapore: Proposed Policy Allocation
      3. General Discussion Items
   5. Actions required
      1. Singapore contributions
      2. Anything new today
   6. AOB and Adjourn
3. Chair presents slide 6, Administrative – Motions and more
   1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Peter Ecclesine (Cisco Systems)

Seconded by: Hassan Yaghoobi (Intel)

Discussion? None

Vote: Unanimous consent

* **Motion:** To approve the minutes from the IEEE 802.18 teleconference 13 June 2019 in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0076-00-0000-minutes-13jun19-rrtag-teleconference.docx> Posted: 14-Jun-2019 09:19:55 ET

Moved by: Peter Ecclesine (Cisco Systems)

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? None

Vote: Unanimous consent

* 1. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help? no response**

1. Chair presents slides 7-8, EU Items to share
   1. **ETSI –** [<BRAN>](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #102, 17-20 June, Sophia Antipolis**
      1. Meeting this week,
      2. 1- AI at start of meeting, NWI on new harmonized Std for 5925-6425MHz,
      3. 2 - Late contribution attempt from Cellular folks on the 5925-6425 MHz; it did not make the agenda.
      4. NWI for the 5925-6425 came up at end of plenary, it was approved, BRAN(19)102016r1
      5. There were challenges on how to minute this with input from the Cellular folks requests, etc. See minutes for more info, BRAN(19)102002r1.
      6. 3 calls setup between now and next meeting.
      7. Still looking for nominations for chair. Doc BRAN(19)102008 on process.
   2. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/)- set aside and ECC [<WGSE>](https://cept.org/ecc/groups/ecc/wg-se/client/introduction/) 
      1. SE 45 is picking up some sharing studies, so this group will be continuing.
      2. This is for short term interference.
   3. **PT-A decided to not endorse 6425-7125MHz for IMT 2020. Not enough support through out the member states.**
2. Chair presented slides 9-10, Singapore: Proposed Policy Allocation of SRD from 868 to 920 MHz
   1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0066-00-0000-singapore-consultation-866-869mhz-srds-move-to-920-925mhz.pdf>
   2. IMDA (Info-communications Media Development Authority – Their FCC) is now proposing to reconfirm the refarming of 868-869 MHz band for enterprise and public mobile use and migrate all SRDs from 866-869 MHz to 920-925 MHz bands.
      1. For details, you would refer to Section 2 of the new IMDA consultation (Public Consultation on Allocation of Spectrum for Enterprise and Public Mobile use), especially footnote 3, paragraph 2.8, and paragraph 2.14:
   3. The consultation deadline is July 15, Singapore local time. (27June latest RR-TAG approval)
   4. The lean is we should be put some paragraphs together and respond to not to lose the 3MHz of licensed exempt spectrum.
   5. Have asked a couple on what stds/amendments in 802.11 and 802.15 are using these bands. Have found these:
   6. 802.11ah D.2; Singapore 866–869, 920–925
      1. REVmd Annex E Table 5 Sub1G Operating Classes
   7. 802.15.4v Annex G: (802.15.4md same)
      1. 867 MHz 866–869 Singapore
      2. 920 MHz-b 920–925 Hong Kong, Singapore, Thailand, and Vietnam
   8. Is there anyone willing to start up some text for comments?
      1. Also need to work out logistics for how to file.
   9. Chair sent request to list server for inputs for some comments, and no contributions so far.
   10. If no contributions the next couple of days, we will have to pass.
3. Chair presents slides 11 and 12, General Discussion Items.
   1. **5GAA ex parte** 
      1. The LMSC ballot to send ex parte to the DoT, started yesterday, closes the 22nd.
         1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0069>
   2. **UWB petition for rule making**
   3. <https://ecfsapi.fcc.gov/file/10618992215487/2019%20FINAL%20PETITION%20FOR%20RULE%20MAKING%20for%20FCC%20Filing.pdf>
      1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0079-00-0000-bosch-petition-for-rulemaking-uwb-devices-and-systems.pdf>
      2. With a quick thumb through much is focused on taking the waivers approved over the last many years and codifying them. Have not reviewed enough if wanting more than that, e.g. higher power.
   4. Also watch for, MIT may be putting in an updated petition for wavier, from what they tried before. It is like a radar, chirp across multiple GHz.
      1. Original waiver, December 2018:
      2. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-89&sort=date_disseminated,DESC>
   5. July Plenary:
      1. Chair of 802.15.3d has brought up, ITU-R SM.2352 on THz communications needs to be updated. There is an ITU-R WP1 meeting ending 05 June.
         1. The chair of 802.15.3d will be working on the updated text for review in 802.18 and current plan is to share with 802.15 in Atlanta wireless interim and approve it there, for the SC (aka EC) quick ballot and submission to ITU-R.
         2. Status: we can hold till June and work on communications during July plenary.
      2. UWB status in Japan
4. Chair presents slide 13, Actions required
   1. Need contributions for Singapore consultation on SRD 868 to 920 MHz
5. Ongoing:
   1. Monitoring/inputting into the agenda items for WRC-23 and ITU-R activity.
   2. Digital Divide, how can we help?
6. Chair presents slide 14 Any Other Business
   1. Nothing brought up.
   2. Note: registration is out for July 2019 Plenary in Vienna, Austria.
   3. And registration is out for September 2019 Wireless Interim at the JW Marriott Hotel, Hanoi, Vietnam. (We need to fill 60% of the room block by 11 July, or lose some of the remaining room block).
7. Chair presents slide 15, Adjourn
   1. Next teleconference: 27 June 2019 – 15:00 – <15:55 ET
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-12-0000-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 15:41 ET.
   3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 16 – 18 July Plenary in the Austria Center Vienna, Vienna, Austria
      1. Time slots, Tuesday AM2 and Thursday AM1