IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 13 June 2019 | | | | |
| Name | Affiliation | Address | Phone | Email |
|  | | | | |
| Author(s): | | | | |
|  |  |  |  |  |
|  | | | | |
| 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, 13 June 2019

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** |
| Auluck | Vijay | Self Employed |  | **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** |  | **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** | **x** |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | | **Affiliation** | **Attendance** | | | | | | | | | |
| **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** | |
| Awasthi | | Antriksh | | Ericsson |  | **x** |  |  |  |  |  |  |  | |
| Caldwell | | Winston | | Fox |  |  |  |  |  |  |  |  | **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** | |
| Levy | | Joeseph | | Interdigital |  |  |  |  |  |  | **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 802.18-19/0075r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0075r01, 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. Japan: requesting inputs for WRC-19
      4. 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: Stuart Kerry (Ruckus/ARRIS)

Discussion? None

Vote: Unanimous consent

* **Motion:** To approve the minutes from the IEEE 802.18 teleconference 06 June 2019 in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0071-00-0000-minutes-06jun19-rrtag-teleconference.docx> Posted: 07-Jun-2019 10:19:24 ET

Moved by: Mike Lynch (MJLynch Assoc.)

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: Unanimous consent

* 1. **Motion**: To approve the minutes from the IEEE 802.18 teleconference 30 May 2019 in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0068-00-0000-minutes-30may19-rrtag-teleconference.docx> Posted: 31-May-2019 08:39:01 ET

Moved by: Stuart Kerry (Ruckus/ARRIS)

Seconded by: Jay Holcomb (Itron)

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. New WI, PWI\_BRAN\_1901\_v1, came up on a new Harmonized Standard for 5.925 – 6.425GHz. This will be a different standard from the current 5GHz EN 301 893.
      2. There is significant number of attendees for the meeting next week and it is in a small facility. (Many thought voting for chair would occur, though not this meeting.)
      3. Effort progresses finding a new chair.
      4. Voting will be in October. (This is a 2 year, term and nomination continue though the Oct. meeting.)
   2. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next meeting #55, 02-03 July**
      1. No candidate for chair at this time.
   3. **Delegated Act on C-ITS is still not fully in force.**
      1. Objection period is until 13 July 2019.
   4. **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 45will be picking up some sharing studies, so this group will be continuing.
   5. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #8, 24-26 Sept, 2019, \_\_\_\_\_**
      1. Nothing new.
   6. **CEPT – ECC** [**<WGFM>**](https://cept.org/ecc/groups/ecc/wg-fm/client/introduction/) **meeting #94, 03-07 June, Estonia**
      1. WG FM did endorse the draft CEPT Report A
      2. NWI for harmonized technical condition, 5925-6425 MHz
      3. NWI for development of a new ECC Report on 5725-5850MHz
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. No one had any further input.
   10. Chair to send request to list server for inputs for some comments, if no reply then may drop this one.
3. Chair presents slide 11, Japan **consultation on WRC 19.**
   1. APG19-5 will be held in late July followed by WRC 19 in October this year.  Similar to what MIC has done in December 2018 to seek public comments on MIC's stances on various WRC 19 topic prior to APG19-4 in January 2019, MIC is now issuing a consultation that seek public opinions on its stance on all WRC 19 agenda.  For details, please refer to <http://www.soumu.go.jp/menu_news/s-news/01kiban10_02000032.html>
      1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0072-00-0000-opinions-concerning-japan-s-way-of-thinking-draft-for-wrc-19.docx>
      2. The consultation deadline is July 1, 2019 (Tokyo local time).
         1. 13June latest RR-TAG approval - today
      3. From before we could do just a cover letter on out approved IEEE 802 WRC-19 viewpoints.
         * 1. <https://mentor.ieee.org/802.18/dcn/17/18-17-0073-07-0000-ieee-802-viewpoints-on-wrc-19-agenda-items.pptx>
      4. Did learn all has to be in Japanese, why the request on the list server.
      5. Have not received anything further on doing the Japanese and at this time have run out of time to respond.
4. Chair presents slide 12, General Discussion Items.
   1. **5GAA ex parte** 
      1. The LMSC ballot closed with just enough votes to pass. Filed Wed. morning, 12th.
      2. The LMSC ballot to send ex parte to the DoT, started yesterday, the 12th.
         1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0069>
   2. From a member on the list server today, the kinds of things IEEE 802.18 should be reviewing, and where appropriate responding to:
      1. Statements of the commissioners at the FCC Oversight Hearing yesterday.
      2. Chairman Pai: [DOC-357959A1.docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D357959A1.docx&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=cRu_QeikyC8LcHg3oEhk9Sts9ScVApaCpr6xH8IpLIM&s=mdxHfG6IyC34WPdkAiWz1iSXKu6vJoyNNANX5AGAPcM&e=)
      3. Commissioner O’Reilly: [DOC-357955A1.docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D357955A1.docx&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=cRu_QeikyC8LcHg3oEhk9Sts9ScVApaCpr6xH8IpLIM&s=W1uhD6jWmEPDR_iFerwS5f8DFVms7QhdXsuLUuRgNCk&e=)
      4. Commissioner Carr: [DOC-357969A1.docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D357969A1.docx&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=cRu_QeikyC8LcHg3oEhk9Sts9ScVApaCpr6xH8IpLIM&s=E9AcqQ0VBYGL-EvgKXKHn7eFua-b76HzXdu1MdStURQ&e=)
      5. Commissioner Rosenworcel: [DOC-357957A1.docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D357957A1.docx&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=cRu_QeikyC8LcHg3oEhk9Sts9ScVApaCpr6xH8IpLIM&s=M6jYwtQ-Q5Rb4KQvFYbQk0LFUCeQzK6G6X7eYH6ITl0&e=)
      6. Commissioner Starks: [DOC-357962A1.docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D357962A1.docx&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=cRu_QeikyC8LcHg3oEhk9Sts9ScVApaCpr6xH8IpLIM&s=n6xdHrCeE66W_BJ6jmJlkmopSl1dq4JKG6yfHPX4bm0&e=)
      7. Key point here is so much attention on 5G is coming, yet ½ the world does not have internet access.
      8. Had a good general discussion and IEEE 802 should keep in mind on future comments.
   3. Coexistence workshop in Vienna, Wednesday afternoon / evening during the Plenary.
      1. What is being heard is there may be notable attendance for all sides .
      2. It was encouraged to have .18 presence as there will be discussions beyond protocol coexistence, including discussions on available spectrum and how to use it.
   4. 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
5. Chair presents slide 13, Actions required
   1. Need contributions for Singapore consultation on SRD 868 to 920 MHz
   2. Ongoing: Need to keep active, monitoring and think about possible 802 influence on WRC-23 Agenda for WRC-23 and ITU-R activity.
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: 20 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 15:44 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