IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 02 May 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, 02 May 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** | **18Apr** | **25apr** | **02may** |
| 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** |  |  |
| 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 | **X** | **X** |  |  |  |  |  |  |  |
| Lynch | Mike | MJLynch Assoc | **X** |  |  | **X** | **X** | **X** | **X** | **X** |  |
| Nejatian | Alireza | Ericsson | **-** | **-** |  |  | **X** |  |  |  |  |
| Salazar  | Ruben | Landis Gyr Group WW |  |  |  | **X** |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  | **X** |
| Yaghoobi | Hassan | Intel Corporation |  |  |  | **X** | **X** |  | **X** | **X** |  |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** | **18Apr** | **25apr** | **02may** |
| Awasthi | Antriksh | Ericsson |  |  |  |  |  | **X** |  |  |  |
| Fischer | Michael | NXP Semiconductors |  |  |  |  |  |  |  |  |  |
| Hamilton | Mark | Ruuckus |  |  | **X** |  |  |  |  |  |  |
| Kennedy | Richard | Self |  |  |  |  |  |  |  | **X** |  |
| Kenney | John (near v) | Toyota ITC | **X** |  | **X** |  |  | **X** | **X** | **X** | **X** |
| Levy | Joeseph | Interdigital | **X** |  |  | **X** |  |  |  |  |  |
| Nejatian | Alireza | Ericsson | **X** |  | **-** | **-** |  |  |  |  |  |
| Rajkotia | Purva | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rison | Mark | Samsung |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. and UWB Alliance |  |  |  |  |  |  |  |  | **X** |

Chair calls the meeting to order at 15:09 ET.

1. Chair presents slides 2, 3, and 4 of 802.18-19/0056r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0056r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Need a recording secretary, Ben Rolf, thanks!
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. ACMA 5-year outlook
		3. 5GAA request FCC to look forward
		4. General Discussion Items
	5. Actions required
		1. ACMA comments
		2. 5GAA comments
		3. 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
		1. Moved by: Stuart Kerry (Ruckus)
		2. Seconded by: Vijay Auluck (Self)
		3. Discussion? None
		4. Vote: Unanimous consent
	2. **Motion**: To approve the minutes from the IEEE 802.18 teleconference 25 April 2019 in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0055-00-0000-minutes-25april19-rrtag-teleconference.docx> Posted: 26-Apr-2019 09:10:34 ET
		1. Moved by: Vijay Auluck (Self)
		2. Seconded by: Stuart Kerry (Ruckus)
		3. Discussion? None
		4. Vote: Unanimous consent
	3. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help? no response**
4. Chair presents slides 7-8, EU Items to share
	1. No input this week.
5. Chair presents slide 9-11, **ACMA 5 year Outlook**
	1. <https://www.acma.gov.au/theACMA/draft-five-year-spectrum-outlook-2019-23>
	2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0048-00-0000-acma-draft-five-year-spectrum-outlook-2019-23.docx>
	3. Comments due 16 May 2019 (best to EC by 03 May – this week)
		1. Some possible points for comments, though need to think IEEE 802 as a whole.
		2. Are they doing enough to make the 6GHz spectrum usable?
			1. Talks to spectrum space apparatus license
			2. We would want them to align with FCC and EU, and not this proposed licensing.
		3. They are looking at an older version of VNI, this relates to Q2.
	4. They should include white space database access for opportunistic, license-exempt use
		1. Actually, for any national body, not just ACMA, should have more focus using data bases for sharing and all. For the long term this the way the industry is going.
	5. **As normal, any comment ready text and edits are really needed.**
	6. We have comments to review thanks to a member’s contribution:
		1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0058-00-0000-acma-5yr-spectrum-outlook-2019-23-ieee-802-comments.docx>
	7. **Good review and a few edits throughout.**
	8. **Motion:** Move to approve the comments [https://mentor.ieee.org/802.18/dcn/19/18-19-0058-02-0000-acma-5yr-spectrum-outlook-2019-23-ieee-802-comments.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0058-03-0000-acma-5yr-spectrum-outlook-2019-23-ieee-802-comments.docx) to ACMA’s Five-year spectrum outlook 2019-23 consultation. With the chair of 802.18 to have editorial privileges and send to the LMSC(EC) for review/approval and submission to the ACMA on or before 15 May 2019.
		1. Moved by: Stuart Kerry (Ruckus)
		2. Seconded by: Billy Verso (DecaWave)
		3. Discussion? none
		4. Vote: \_4\_\_Y / \_0\_\_N / \_\_0\_\_A
		5. Motion – Passed
		6. \_6\_ on the call
6. Chair just touched on slides 12&13 5GAA requests that the Commission consider a forward-looking approach**.**
	1. Proceeding:
		1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-357&sort=date_disseminated,DESC>
	2. **New ex parte, 05 April 2019: (includes the 03 April ex parte)**
		1. <https://ecfsapi.fcc.gov/file/1040534706725/5GAA%20Ex%20Parte%20Notice%204.5.19.>[pdf](https://ecfsapi.fcc.gov/file/1040534706725/5GAA%20Ex%20Parte%20Notice%204.5.19.pdf)
		2. <https>[://mentor.ieee.org/802.18/dcn/19/18-19-0051-00-0000-5gaa-waiver-ex-parte-notice-4-5-19-fcc-gn-18-357.pdf](https://mentor.ieee.org/802.18/dcn/19/18-19-0051-00-0000-5gaa-waiver-ex-parte-notice-4-5-19-fcc-gn-18-357.pdf)
	3. **At the end they propose to re-band 75MHz of the 5.9GHz ITS spectrum:**
		1. 5850-5855 5MHz Reserve Band
		2. 5855-5865 10MHz 802.11 channel 172
		3. 5865-5905 40MHz for 5G-V2X
		4. 5905-5925 20MHz for LTE-V2X
	4. **We could respond to the 05 April ex parte, some points to consider**
		1. This is less DSRC bandwidth from original waiver, DSRC would be Chan. 172 only.
		2. Sharing in the band is not being accomplished as was one of the directives.
		3. Technology evolution does not work into this C-V2X approach
		4. How it affects the testing that the DoT has been doing and moving forward with.
		5. Note they want 4G and 5G in this.
	5. Hearing an NPRM could be out by end of summer, with some of this…
	6. As normal, any comment ready text is really needed.
	7. **With our goal to vote on comments by 16 May, Thursday in Atlanta, where are comments?**
	8. Info/request for input was sent to 802.11 and 802.11bd chairs and they have passed on.
	9. **Did not get to this discussion, out of time.**
7. Chair presents slide 14, General Discussion Items.
	1. **Chair of 802.15.3d has brought up, ITU-R SM.2352 on THz communications needs to be updated. There is an IUT-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. Ofcom comments 1st ballot failed due to lack of response. Started a 2nd ballot, it passed with early close and sent to Ofcom on Monday, the 22nd.
	3. **Wi-Fi usage at final-4, beat records of like peak concurrent users**
8. Chair presents slide 15, Actions required
	1. **ACMA 5 Year outlook to LMSC(EC)**
	2. **5GAA ex parte comment ready text, waiver could be out anytime, or shape the NPRM. Target 16 May to vote on comments.**
9. Chair presents slide 16 Any Other Business
	1. Note: registration is out for July 2019 Plenary in Vienna, Austria.
	2. **Nothing else brought up, out of time.**
10. Chair presents slide 17, Adjourn
	1. Next teleconference: 09 May 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) ***(new for 02may and on)***
		2. All 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 16:00 ET.
	3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 14 – 16 Wireless Interim in Atlanta, GA, USA at the Grand Hyatt in Buckhead
		1. Time slots, Tuesday AM2 and Thursday AM1