IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 27 June 2019 |
| Name | Affiliation | Address | Phone | Email |
|  |
| Recording Secretary  |
| Peter Ecclesine | Cisco Systems | CA | - | petere@ieee.org |
|  |
| 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, 27 June 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** | **20jun** | **27jun** |
| 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** | **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** |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  | **x** | **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** |
| **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** | **13jun** | **20jun** | **27jun** |
| Au | Edward | Huawei |  |  |  |  |  |  |  |  | **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 | Joseph | Interdigital |  |  |  |  | **x** |  |  | **x** | **x** |
| Rajkotia | Purva | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben (near v)  | Blind Creek Assoc.& UWB Alliance |  |  | **x** | **x** | **x** | **x** | **x** |  | **x** |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0081r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0081r01, 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. 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 20 June 2019 in document:** <https://mentor.ieee.org/802.18/dcn/19/18-19-0078-00-0000-minutes-20jun19-rrtag-teleconference.docx> **Posted:** 21-Jun-2019 19:09:00 ET

Moved by: Stuart Kerry (Ruckus/ARRIS)

Seconded by: Peter Ecclesine (Cisco Systems)

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 #103, 07-10 Oct. Sophia Antipolis**
		1. Remote consensus on the Minutes for Meeting 102, closes this week. There is an updated minutes available, due to discussion after the close of the meeting. A key item is the WI on 5925-6425MHz, that it can start up now.
		2. NWI - BRAN(19)102016 was updated now to r2 and is available.
		3. Still looking for nominations for chair. Doc BRAN(19)102008 on process.
2. Chair presents slides 9 to 11, Singapore: Proposed Policy Allocation of SRD from 868 to 920 MHz
	1. 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.
	2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0066-00-0000-singapore-consultation-866-869mhz-srds-move-to-920-925mhz.pdf>
	3. Have asked a couple on what stds/amendments in 802.11 and 802.15 are using these bands. Have found these:
		1. 802.11ah D.2; Singapore 866–869, 920–925
			1. REVmd Annex E Table 5 Sub1G Operating Classes
		2. 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
	4. A nice contribution came in first of the week. See: [https://mentor.ieee.org/802.18/dcn/19/18-19-0083](https://mentor.ieee.org/802.18/dcn/19/18-19-0083-00-0000-singapore-consultation-ieee-802-comments-on-866-869mhz-srds.docx)
	5. We reviewed and made a few edits, see motion on next slide.
	6. **Motion:** Move to approve the comments in <https://mentor.ieee.org/802.18/dcn/19/18-19-0083-03-0000-singapore-consultation-ieee-802-comments-on-866-869mhz-srds.docx> response to IMDA’s consultation including frameworks for the allocation of 800 MHz SRD band. With the chair of 802.18 to have editorial privileges and send to the LMSC(EC) for review/approval and submission to IMDA before 14 July 2019 ET.
		1. Moved by: Stuart Kerry (Ruckus/ARRIS)
		2. Seconded by: Peter Ecclesine (Cisco Systems)
		3. Discussion? none
		4. Vote: \_6\_\_Y / \_0\_\_N / \_0\_A
		5. Voters: Hassan, Paul, Peter, Stuart, Tim, Jay
		6. Motion: Passed
		7. Number in attendance: 10
3. Chair presents slides 12 to14 10 , General Discussion Items.
	1. **5GAA ex parte**
		1. The LMSC ballot to send ex parte to the DoT, just enough votes, no extras.
		2. Email sent to DoT personnel and uploaded to the DoT proceeding.
			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 last week (20 June) 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.
		3. Any updates? no
	4. **The ASMG (Arab Spectrum Management Group) has a WRC-19 preparation meeting in Cairo 27 July – 01 August.**
		1. Would IEEE 802 want to share our WRC-19 Viewpoints with them? Would be nice.
		2. They usually don’t call for contributions, they do send invitation to industry which we have not seen anything formal.
		3. It maybe to difficult now to send something, with the timing. So will likely have to pass.
	5. **MSIT, Korea, has issued a consultation with a comment deadline of 19 August 2019. Summary is:**
		1. <https://www.msit.go.kr/web/msipContents/contentsView.do?cateId=mssw353&artId=2044437>
		2. [1] Increase vehicle collision radar radio frequency from 76-77 GHz to 76-81 GHz.
			1. Not looking like IEEE 802 has any standards in this band, we should review to be sure.
		3. [2] Update the supply power of the radar antenna for preventing vehicle collision from 10mW or below to 20mW or below.
		4. [3] Add a new center frequency of 262 MHz band and encourage the use of interference avoiding technique (e.g., LBT).
			1. A member looked and is not finding any IEEE 802 standards in this band.
	6. **APT (Asia-Pacific Telecommunity) – meetings in July.**
		1. [The 25th Meeting of APT Wireless Group (AWG-25)](https://www.apt.int/2019-AWG25)
			1. 01 July 2019 - 05 July 2019, Tangerang, Indonesia
		2. [The Meeting of the SATRC Working Group on Policy, Regulation and Services](https://www.apt.int/2019-SATRC-WGPRS)
			* 1. 11 July 2019 - 12 July 2019, Colombo, Sri Lanka
		3. [The 5th Meeting of APT Conference Preparatory Group for WRC-19 (APG19-5)](https://www.apt.int/2019-APG19-5)
			1. 31 July 2019 - 06 August 2019, Tokyo, Japan
		4. They will include discussions on IMT ID in 6GHz.
			1. Meeting on WRC-19, includes AIs for WRC-23 and we could provide input by 24 July.
	7. Watch for:
		1. MIT may be putting in an updated petition for wavier, from what they tried before. It is like a radar, chirp across multiple GHz. Original waiver, December 2018: <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-89&sort=date_disseminated,DESC>
	8. 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 15, Actions required
	* + The .18 chair to start the Singapore LMSC Ballot that talks to SRDs in 866 MHz band.
		+ Does IEEE 802 have any stds or interest to reply to MSIT, Korea, consultation with 76-81GHz?
		+ APT July meeting on WRC-19, includes AIs for WRC-23 and we could provide input by 24 July
	1. Ongoing:
	2. Monitoring/inputting into the agenda items for WRC-23 and ITU-R activity.
		* 1. Did have a meeting with staff earlier this week (25 June), outlining WRC process.
	3. Digital Divide, how can we help?
5. Chair presents slide 16 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).**
6. Chair presents slide 17, Adjourn
	1. Next teleconference: 11 July 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.
		3. No meeting next week, 4th of July. (USA has something going on.)
	2. Adjourn:
		1. Agenda complete, any objection to Adjourn.
		2. None heard, Adjourn at 15:53 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