IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 30 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, 30 May 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **21mar** | **28mar** | **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** |
| Auluck | Vijay | Self Employed | **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** |
| 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** |  |
| Nejatian | Alireza | Ericsson |  |  | **x** |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  |  | **x** | **x** |
| Salazar  | Ruben | Landis Gyr Group WW |  | **x** |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  |  |  |  | **x** |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  | **x** |  |  |
| Yaghoobi | Hassan | Intel Corporation |  | **x** | **x** |  | **x** | **x** |  | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **21mar** | **28mar** | **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** |
| 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 | **-** | **-** |  |  |  |  |  |  |  |
| Rajkotia | Purva | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rison | Mark | Samsung |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc.& UWB Alliance |  |  |  |  |  |  | **x** | **x** | **x** |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0067r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0067r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Need a recording secretary, Ben Rolf (BCA), thanks!
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. 5GAA requests FCC to look forward
		3. General Discussion Items
	5. Actions required
		1. 5GAA ex parte LMSC ballot
		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: Stuart Kerry (ARRIS/Ruckus)

Seconded by: Hassan Yaghoobi (Intel)

Discussion? None

Vote: Unanimous consent

* 1. **Motion**: To approve the minutes from the IEEE 802.18 teleconference 09 May 2019in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0060-00-0000-minutes-09may19-rrtag-teleconference.docx> Posted: 10-May-2019 08:34:33 ET

Moved by: Hassan Yaghoobi (Intel)

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. Nothing was mentioned.
2. Chair presented slides 9-10 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. 5GAA 05 April ex parte, they propose to re-band 75MHz of the 5.9GHz ITS spectrum:

5850-5855 5MHz Reserve Band

5855-5865 10MHz 802.11 channel 172

5865-5905 40MHz for 5G-V2X

* 1. Hz for LTE-V2X
	2. At Wireless Interim the RR-TAG approved an ex parte/comments to send to the FCC:
		1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0064-03-0000-5gaa-ex-parte-05apr19-response-ieee-802-fcc-gn-18-357.docx>
	3. Also at the interim, RR-TAG approved to send comments to DoT,
	4. Action: Chair took an action to submit to DOT. This turned out to be less simple than expected. Unlike the FCC site, the DOT site does not seem to have a mechanism to submit comments beyond the comment deadline (or Ex Parte?). Proposed approach is to send to others in DOT directly. Currently trying to verify the recipient list, one being the secretary of Transportation. Chair suggests getting the FCC submission done first and then continue figuring out DOT.
	5. It was decided then to go to 2 ballots and get the FCC one started and follow up with the DoT once we get the needed emails (to DoT folks) and our final ex parte which might be edited in its ballot.
	6. The 802 EC Chair authorizes Chair to start the first EC email ballot.
	7. Chair presents DoT cover page he prepared per motion in Atlanta. <https://mentor.ieee.org/802.18/dcn/19/18-19-0069>. We reviewed and all on the call were okay with how it was done and the text in it.
	8. Chair takes action to initiate the 2 EC letter ballots.
1. Chair presents slide 11, General Discussion Items.
	1. Singapore: PROPOSED POLICY FRAMEWORKS FOR THE ALLOCATION OF 800 MHZ, TDD 1900 MHZ AND FDD 2100 MHZ SPECTRUM BANDS
		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), <https://www.imda.gov.sg>) 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.
		3. 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:
		4. The consultation deadline is July 15, Singapore local time.
		5. Should we comment? Consensus is yes. We should be put some paragraphs together and respond due to impact of 3 MHz less spectrum for licensed exempt use, and more congestion in 920 as SRDs move up. There is considerable Smart Grid/Smart City/Smart activity based on 802.15.4 currently in use in Singapore. **(Need to look up 802.11 and 802.15 usage in these bands.)**
	2. **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
2. Chair presents slide 12, Actions required
	1. **5GAA ex parte comments to LMSC for FCC and DoT as 2 ballots.**
	2. **Research Singapore more on IEEE 802 usage.**
	3. **Ongoing: Need to keep active, monitoring and think about possible 802 influence on WRC-23 Agenda for WRC-23 and ITU-R activity.**
3. Chair presents slide 13 Any Other Business
	1. Nothing brought up.
	2. (Side note, 802 chair has .18 chair on EC teleconference agenda next week to discuss overall IEEE 802 reciprocal attendance policy consistency.)
	3. Note: registration is out for July 2019 Plenary in Vienna, Austria.
	4. 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).
4. Chair presents slide 14, Adjourn
	1. Next teleconference: 06 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 15:32 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