IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 18 April 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, 18 April 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **14Feb** | **21Feb** | **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** | **18Apr** |
| Auluck | Vijay | Self Employed | **X** |  |  | **X** | **X** | **X** |  | **X** | **X** |
| Ecclesine | Peter | Cisco Systems, Inc. | **X** | **X** | **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. |  |  |  |  |  |  |  |  |  |
| Kennedy | Richard | Self |  |  |  |  |  |  |  |  |  |
| Kerry | Stuart | ARRIS/Ruckus | **X** | **X** |  | **X** |  | **X** | **X** |  |  |
| Lepp | James | BlackBerry | **X** | **X** | **X** | **X** |  |  |  |  |  |
| Lynch | Mike | MJLynch Assoc |  | **X** | **X** |  |  | **X** | **X** | **X** | **X** |
| Nejatian | Alireza | Ericsson | **-** | **-** | **-** | **-** |  |  | **X** |  |  |
| Salazar  | Ruben | Landis Gyr Group WW |  |  |  |  |  | **X** |  |  |  |
| Yaghoobi | Hassan | Intel Corporation |  | **X** |  |  |  | **X** | **X** |  | **X** |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **14Feb** | **21Feb** | **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** | **18Apr** |
| Awasthi | Antriksh | **Ericsson** |  |  |  |  |  |  |  | **X** |  |
| Fischer | Michael | NXP Semiconductors | **X** |  |  |  |  |  |  |  |  |
| Hamilton | Mark | Ruuckus |  |  |  |  | **X** |  |  |  |  |
| Kenney | John (nv) | Toyota ITC | **X** | **X** | **X** |  | **X** |  |  | **X** | **X** |
| Levy | Joeseph | Interdigital | **X** | **X** | **X** |  |  | **X** |  |  |  |
| Nejatian | Alireza | Ericsson |  | **X** | **X** |  | **-** | **-** |  |  |  |
| Rajkotia | Purva | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rison | Mark | Samsung | **X** |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. and UWB Alliance |  |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/052r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0052r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Need a recording secretary, Peter Ecclesine (Cisco)
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. ACMA 5-year outlook
		3. General Discussion Items
	5. Actions required
		1. ACMA comments possibly
		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
		1. Moved by: Peter Ecclesine (Cisco)
		2. Seconded by: Tim Harrington (Pro ID)
		3. Discussion? None
		4. Vote: Unanimous consent
	2. **Motion:** To approve the minutes from the IEEE 802.18 teleconference 11 April 2019 in document: <https://mentor.ieee.org/802.18/dcn/19/18-19-0050-00-0000-minutes-11april19-rrtag-teleconference.docx> Posted: 12-Apr-2019 08:41:07 ET
		1. Moved by: Peter Ecclesine (Cisco)
		2. Seconded by: Tim Harrington (Pro ID)
		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. **General EU info:** [<ojeu>](https://eur-lex.europa.eu/oj/direct-access.html) [<HStds>](https://ec.europa.eu/growth/single-market/european-standards/harmonised-standards/)
		1. EC V2X – Delegated Act, regulation latest was published 13.3.2019 and passed in Parliament this week.
		2. if no changes will go into effect 17may
			1. But note that it requires a qualified majority in Council to block it so any single Member State does not hold a veto, i.e. it goes through unless a qualified majority of Member States vote to reject. A qualified majority requires at least 16 Member States representing at least 65% of the population.
		3. FYI, there was a very informative letter from an EC Member sent to the Chair of the EU Parliament Committee on Transport and Tourism, to support ITS-G5.
	2. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next meeting #55, 27-28 June, Sophia Antipolis**
		1. There is WI to create an SR Doc for get the 2.4 GHz standard back on track to be harmonized.
		2. The TG-11 chair has reached out for inputs from 802.15.4 and 802.11, what references and correct clause numbers need to be updated in the standard.
	3. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #7, 24-25 Apr, Copenhagen**
		1. Setting up for meeting next week, with 27 contributions so far.
		2. Many decisions to make and anticipate more work coming.
	4. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meetings #6, 26 Apr and #7, 16-17 May, Copenhagen**
		1. 2 more administration have signed up from before one being Ireland.
		2. The other is Slovakia who wants to keep IMT 2020 discussions going.
5. Chair presents slide 9, **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 (to EC by 03 May – 2 weeks)
		1. 3.4–3.575 GHz band; 900 MHz (890–915 MHz and 935–960 MHz); 5.6 GHz (5600–5650 MHz); and more.
	4. There is some discussion on 5925MHz and above in Q2, Q4 and Q8.
	5. **Some possible points for comments**
		1. 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.
		2. They are looking at an older version of VNI, this relates to Q2.
	6. Will continue to gather points and text for possible comments, though only have 2 calls to finalize.
	7. **As normal, any comment ready text is really needed.**
6. Chair present slides 10-11 5GAA requests that the Commission consider a forward-looking approach
	* + 1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-357&sort=date_disseminated,DESC>
		1. **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>
		2. **At the end they propose to re-band 75MHz of the 5.9GHz ITS spectrum:**
			1. 5850-5855 5MHz Guard Band
			2. 5855-5865 10MHz 802.11 channel 172
			3. 5865-5905 40MHz for 5G-V2X
			4. 5905-5925 20MHz for LTE-V2X
		3. **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.
		4. **Hearing an NPRM could be out by end of summer, with some of this…**
		5. **As normal, any comment ready text is really needed.**
7. Chair presents slide 12, General Discussion Items.
	1. TCBC workshop this week, w/214 in audience and 42 on line.
		1. Info on new test methods for new technology coming.
		2. Some fyi on mentions of 802.11ax, 6GHz, C-V2X waivers and the google waiver approved.
		3. Most was just the facts, though the C-V2X waiver had the latest ex parte from 05april all laid out. That was quick to share with all.
		4. EU is seeing cell phones with SAR above limits as some here also. Surveillance to pick up.
8. Chair presents slide 13, Actions required
	1. **ACMA 5 Year outlook comment ready text, only 2 weeks to finish.**
	2. **5GAA ex parte comment ready text, waiver could be out anytime.**
9. Chair presents slide 14 Any Other Business
	1. None heard.
10. Chair presents slide 15, Adjourn
	1. Next teleconference: 25 April 2019 – 15:00 – <15:55 ET
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-11-0000-teleconference-call-in-info.pptx> (or latest)
		2. All changes/cancellations will be sent out to the 802.18 list server.
		3. (New call-in coming up for 02 May and moving on, rev 12)
	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, 14 – 16 Wireless Interim in Atlanta, GA, USA at the Grand Hyatt in Buckhead
		1. Time slots, Tuesday AM2 and Thursday AM1