IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 06 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, 06 June 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **28mar** | **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** |
| Auluck | Vijay | Self Employed | **x** |  | **x** | **x** |  | **x** | **x** |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. |  | **x** | **x** | **x** |  |  | **x** |  | **x** |
| Harrington | Tim | Pro ID & UWB Alliance |  | **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** |
| Nejatian | Alireza | Ericsson |  | **x** |  |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  | **x** | **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** |
| **28mar** | **04apr** | **11apr** | **18apr** | **25apr** | **02may** | **09may** | **30may** | **06jun** |
| Awasthi | Antriksh | Ericsson |  |  | **x** |  |  |  |  |  |  |
| Fischer | Michael | NXP Semiconductors |  |  |  |  |  |  |  |  |  |
| Hamilton | Mark | Ruuckus |  |  |  |  |  |  |  |  |  |
| 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 (near v)  | Blind Creek Assoc.& UWB Alliance |  |  |  |  |  | **x** | **x** | **x** | **x** |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0070r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0070r01, 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. 5GAA requests FCC to look forward
		3. Singapore: Proposed Policy Allocation
		4. Japan: requesting inputs for WRC-19
		5. General Discussion Items
	5. Actions required
		1. Singapore contributions
		2. Japan contributions
		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

Moved by: Peter Ecclesine (Cisco Systems)

Seconded by: Tim Harrington (ProID)

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: no one, will try later (Stuart, Paul, Hassan, jay)

Seconded by:

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. BRAN(19)102008 … - Effort going on for a new chair.
			1. Voting will be in October.
		2. Agenda closed on Monday. New WI from Facebook on 60GHz didn’t make the agenda.
		3. There are many agenda items and meeting #102 will be busy.
	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. Final draft version of ECC Report 302 (see [SE45(19)004A1R1](https://urldefense.proofpoint.com/v2/url?u=https-3A__cept.org_Documents_se-2D45_50936_se45-2D19-2D004a1r1-5Fdraft-2Decc-2Dreport-2D302-2Dafter-2Dse457-2Dwith-2Dtrack-2Dchanges&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=pQYZSZRYXVLznZvws7AKRdYkfZqMI2NCND1w-kCXznA&s=iBYwsPM1oRRjlU5VyaRuWNTMZoQr2O4lZQwCFO5jBoY&e=) and [SE45(19)004A2](https://cept.org/Documents/se-45/50937/se45-19-004a2_table-of-resolution-of-comments-from-pc-on-draft-ecc-report-302)) to [<WGSE>](https://cept.org/ecc/groups/ecc/wg-se/client/introduction/) for consideration for publication at their meeting in Prague, 27-29 May.
			1. After having reviewed the input documents on this topic and agreed on some minor editorial modifications, WG SE adopted the ECC Report 302 for publication (as contained in [Annex 04](https://www.cept.org/Documents/wg-se/51677/se-19-082a04_ecc-report-302-agreed-wgse)).
		2. SE will be picking up some sharing studies.
	5. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #8, 24-26 June, tbd**
		1. Will work on resolutions for the public comments in #8.
			1. Sounds like France got some changes made in the exec summary in the meantime, which will cause discussion.
		2. FM57(19)018 - Proposal for new ECC Work Item (ECC Decision for RLAN/WAS in 5925 - 6425 MHz), from Germany (draft regulations by March 2020).
			1. The German proposal for a new WI to develop an ECC Decision on 6 GHz RLAN was supported by Estonia, Switzerland, Liechtenstein, Sweden, United Kingdom, Czech Republic, France, Lithuania, Ireland, and The Netherlands. The WI was adopted.
	6. **CEPT – ECC** [**<WGFM>**](https://cept.org/ecc/groups/ecc/wg-fm/client/introduction/) **meeting #94, 03-07 June, Estonia**
		1. Editing at the table and some was rejected on Report A.
		2. Report A was cleaned up and approved to go to public inquiry.
		3. More IMT designations requests
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 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](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 chair to do a cover letter to add to ex parte/comments to send to DoT
		1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0069-00-0000-5gaa-ex-parte-05apr19-response-ieee-802-to-us-dot.docx>
		2. Note: to who and how to send this to the DoT has been very involved also, got there.
	4. Status of LMSC ballots (It was decided then to go to 2 ballots–30May teleconference)
		1. Request from one LMSC member for updates; a .18 member has been working diligently on these proposed updates with the chair.
		2. A prelim-rev 04 finalized and uploaded
		3. How this delay affects the current LMSC FCC ballot is tbd, though the chair requested to leave it open; it will close Monday, 10 June.
		4. We are hearing the FCC is going for sharing with WiFi in the 5.9GHz and DoT will have to consider that.
			1. This will come out in the 19June agenda for the 10 July FCC Open Meeting with the FNPRM. The 2 bigger topics are then:
				1. 1) share with WiFi
				2. 2) where does C-V2X fit in
		5. Link to video on DoT 5.9 GHz meeting; Heidi King’s commentary is one worth listening.
			1. As well as the Panasonic commentary, sharing DSRC and C-V2X.
			2. <https://www.transportation.gov/content/traffic-safety-and-59-ghz-band-0>
		6. The upload link is back on the DoT website from the RFC last December to February
			1. <https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&D=DOT-OST-2018-0210>
			2. The chair will adjust the DoT ex parte cover letter to upload to the DoT consultation as well as the DoT individuals identified.
1. Chair presented slides 11, 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.
	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. (27June latest RR-TAG approval)
	5. The lean is we should be put some paragraphs together and respond to not to lose the 3MHz of licensed exempt spectrum.
	6. Need to identify all 802.11 and 802.15 usage in these bands, to help anyone contributing comments.
2. Chair presents slide 12, 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>
	2. The consultation deadline is July 1, 2019 (Tokyo local time). (13June latest RR-TAG approval)
		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. Being in Japanese and considering no time with deadline so near, the chair brought up, do we just send our WRC-19 viewpoint document that has already been approved.
			1. Consensus was yes.
			2. <https://mentor.ieee.org/802.18/dcn/17/18-17-0073-07-0000-ieee-802-viewpoints-on-wrc-19-agenda-items.pptx>
3. Chair presents slide 13-15, General Discussion Items.
	1. International Bureau and Wireless Telecommunications Bureau Seek Focused Additional Comment in 3.7-4.2 GHz Band Proceeding
		1. <https://www.federalregister.gov/documents/2019/06/03/2019-11448/international-bureau-and-wireless-telecommunications-bureau-seek-focused-additional-comment-in-37-42?utm_campaign=subscription%20mailing%20list&utm_source=federalregister.gov&utm_medium=email>
		2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0073-00-0000-fcc-seeks-additional-comments-3-7-4-2ghz-gn-18-122.pdf>
		3. No action by the RR-TAG.
	2. New Zealand: Per the latest Gazette there are updates on Radiocommunications Regulations (General User Radio Licence for Short Range Devices). Of interest to us is a new provision to clarify the use of the frequency range 5725 – 5850 MHz for customer premise equipment's point-to-multipoint transmission;
		1. For details, please refer to
		2. <https://gazette.govt.nz/assets/pdf-cache/2019/2019-go1588.pdf?2019-04-16%2009:47:02>
		3. <https://www.rsm.govt.nz/assets/Uploads/documents/pibs/ff001f5055/table-of-radio-spectrum-usage-in-new-zealand-pib-21.pdf>
		4. No action by the RR-TAG.
	3. 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. Canada: ISED has released a decision on license-exempt operation in the 64-71 GHz bands. This will extend the 60 GHz band from 57-64 GHz. Section 8 at the link below covers this band.
		1. <https://www.ic.gc.ca/eic/site/smt-gst.nsf/eng/sf11510.html>
		2. No action from the RR-TAG.
4. Chair presents slide 14, Actions required
	1. **Need contributions for Singapore consultation on SRD 868 to 920 MHz**
	2. **Need contributions for Japan consultation on WRC-19.**
	3. **DoT cover page on ex parte and add DoT consolation link .**
	4. **Ongoing: Need to keep active, monitoring and think about possible 802 influence on WRC-23 Agenda for WRC-23 and ITU-R activity.**
5. Chair presents slide 15 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 16, Adjourn
	1. Next teleconference: 13 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 15:55 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