IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 05 Mar 20 |
| Name | Affiliation | Address | Phone | Email |
|  |  |  |  |  |
| 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, 05 Mar 20

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** | **11feb** | **06feb** |
| Auluck | Vijay | Self Employed | **x** | **x** |  |  |  |  |  |  |  |
| Boldy | David | Broadcom | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| De Vegt | Rolf | Qualcomm |  |  | **x** |  |  |  | **x** |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Fang | Yonggang | ZTE TX Inc | **x** | **x** |  | **x** |  |  |  |  |  |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei |  |  | **x** |  |  |  | **x** |  | **x** |
| Kain | Carl | Noblis, Inc. | **x** | **x** |  |  |  | **x** | **x** | **x** |  |
| Kenney | John | Toyota ITC | **x** | **x** | **x** | **x** | **x** |  |  |  | **x** |
| Kerry | Stuart | Ruckus/CommScope |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Lansford | Jim | Qualcomm |  |  |  |  |  | **x** |  |  |  |
| Lepp | James | BlackBerry |  | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** |
| Lynch | Mike | MJLynch Assoc | **x** | **x** |  |  |  |  | **x** |  |  |
| Nikolich(lmsc) | Paul | Self and others |  | x | early | early | **x** |  |  |  |  |
| Palm  | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** |  |  |  | **x** |  |  | **x** | **x** |
| Salaszar | Ruben | Landis & Gyr |  |  | **x** |  |  |  |  |  |  |
| Sand | Stephen | DLR |  |  | **x** |  |  |  |  |  |  |
| Sarris | Ioannis | u-blox | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** |
| Shellhammer  | Steve | Qualcomm  |  | **x** |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  | **x** |  |  |  | **x** | **x** |  | **x** |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** | **11feb** | **06feb** |
| Aboul-Magd | Osama | Huawei |  |  |  | **x** |  |  |  |  |  |
| Au | Edward | Huawei |  |  |  |  |  |  | **x** |  | **x** |
| Hamilton | Mark | Ruckus/CommScope |  |  |  |  |  |  | **x** |  |  |
| Haskou | Abdullah | Interdigital |  |  |  |  |  | **x** |  |  |  |
| Hervieu | Lili | Cable TV Labs |  |  | **x** |  |  |  | **x** |  | **x** |
| Levy | Joseph | Interdigital |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lisa | Ward | Rohde&Schwarz |  |  |  |  | **x** |  |  |  | **x** |
| Roy | Dick | Self |  | **x** | **x** | **x** | **x** | **x** |  |  |  |
| Schiessl | Sebastian | u-blox | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  | **x** |  |

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

1. Chair presents slides 2 – 6 of 802.18-20/0031r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/00313r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Someone to take some notes: Peter Ecclesine (Cisco)
	3. Approve agenda & last minutes
		1. Atlanta Plenary – From the LMSC(EC)
	4. Discussion items
		1. EU Items
		2. ITU-R Items
		3. Ofcom consultation spectrum access -Wi-Fi
		4. FCC NPRM on 5.9GHz comments & reply
		5. General Discussion Items
	5. Actions required
		1. Chair starts Ofcom EC ballot if approved
		2. FCC NPRM on 5.9 GHz reply comments
		3. ITU-R SM.2352 submission feedback
		4. Anything new today
		5. Later: WRC-xx Agenda Items, interest to IEEE 802
	6. AOB and Adjourn
3. Chair presents slide 8, Administrative – Motions and more
	1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Hassan Yaghoobi (Intel)

Seconded by: Vijay Auluck (Self))

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 27 Feb 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0030-00-0000-minutes-27feb20-rrtag-teleconference.docx> 28-Feb-2020 16:02:50 ET

Moved by: David Boldy (Broadcom)

Seconded by: Ben Rolfe (Blind Creek Assoc)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Results of EC call earlier today (5th) on Atlanta Plenary, CoVID-19, etc.**
		1. This morning (Thursday the 5th) the LMSC(EC) voted to cancel the Plenary in Atlanta.
		2. The official word is not out yet, there are many logistical things yet to work through, e.g. refunds, and all. The chair will pass along items as they become available over the next few days.
		3. Note: do not cancel your rooms at the Hilton Atlanta (yet), that is one of the logistics being worked, official instructions are due Monday 09March.
		4. Maintaining voting rights, PARs and some changes only at Face to Face plenaries.
1. Chair presents slides 9-10, EU items to share
	1. Remember – BRAN documents can be found in the 802.11 private area documents
	2. **ETSI –** [<BRAN>](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meetings #105, 23–27Mar20, Sophia-Antipolis** 🡸 cancelled
		1. More go-to meetings coming to replace #105.
2. Chair presents slide 11, ITU-R items to share
	1. Pushing spring meetings to the fall. 5D did meet, however.
3. Chair presents slides12-14, Ofcom consultation on Improving spectrum access for Wi-Fi
	1. **Ofcom consultation on Improving spectrum access for Wi-Fi**
	2. <https://www.ofcom.org.uk/consultations-and-statements/category-2/improving-spectrum-access-for-wi-fi>
	3. <https://mentor.ieee.org/802.18/dcn/20/18-20-0006-00-0000-ofcom-consultation-improving-spectrum-access-for-wi-fi.pdf>
	4. Comments due 20 March 2020**. (would need .18 approval 05 March.)**
	5. Based on our initial analysis and stakeholder engagement, we are proposing the following:
		1. To permit access to the 6 GHz (5925-6425 MHz) band on a licence-exempt basis with maximum EIRP levels of 250mW for indoor use and 25mW for outdoor use;
		2. And - To remove the DFS requirements from the 5.8 GHz (5725-5850 MHz) band for unlicensed indoor use only.
	6. We only need 2-3-4 sentences on Q1 and Q3, unless we get contributions on Q2 &Q4?
		1. We will pass.
4. Chair presents slides 15-17, FCC NPRM on 5.9 GHz reply comments
	1. **FCC NPRM on 5.9 GHz reply comments**
		1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-02-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx> **(🡺r**01**/02 Fed. Reg. some updates.)**
	2. **Proceeding 19-138:**
		1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
	3. **Reply comments timeline**  due Monday 06 April
		1. For Friday EC close or 10-day LMSC ballot, need to approve 19 March, Thursday/ATL
		2. This is in two weeks.
		3. (Note: after this teleconference, the 802 Chair did announce the EC meetings would proceed at the scheduled times, just via teleconference. )
	4. **802.11bd teleconference this week setup to do reply comments with same author to gather contributions and lay out reply comments.**
		1. Will start out as a .18 document with the short time frame.
		2. Please, send in contributions to .11 & .18 list servers right away.
	5. **Are there comments that have been seen we should consider reply comments on?**
		1. Nothing brought up,
		2. **Is there a summary of the comments, this would help guide us?**
		3. More significant comments will be coming in Monday night (9th).
		4. So soonest to have a summary is likely Wednesday the 11th.
	6. **Do we setup ad hoc meetings for next Wednesday and/or Friday next week and Mon, Tues and/or Wed the following week?**
		1. 11th, 13th, 16th, 17th, 18th,
		2. We should prepare with some ad hocs, can cancel by the morning of.
		3. Some email reminders to the .11/,18 servers also, looking for summaries.
	7. What about ad hocs in ATL?
	8. If so, any better or worse times?
5. Chair presents slides 18-19, General discussion items
	1. **FYI: In the Matter of Unlicensed White Space Device Operations in the Television Bands; ET Docket No. 20-36; NOTICE OF PROPOSED RULEMAKING**
		1. <https://docs.fcc.gov/public/attachments/FCC-20-17A1.pdf>
		2. I. INTRODUCTION 1. In this Notice of Proposed Rulemaking (NPRM), we propose to revise our rules to provide additional opportunities for unlicensed white space devices operating in the broadcast television bands (TV bands) to deliver wireless broadband services in rural areas and applications associated with the Internet of Things (IoT). This region of the spectrum has excellent propagation characteristics that make it particularly attractive for delivering communications services over long distances, coping with variations in terrain, as well as providing coverage into and within buildings. We offer several proposals to spur continued growth of the white space device ecosystem, especially for providing affordable broadband service to rural and underserved communities that can help close the digital divide.
	2. **From 802.15.3d, ITU-R SM.2352 on THz communications needs updates.**
		1. 802.15.3d has a draft of a submission to ITU-R on updates needed on SM.2352 to be passed through .18 this spring and approved to send by first of May.
			1. <https://mentor.ieee.org/802.15/dcn/19/15-19-0276-03-0thz-ieee-802-15-tag-thz-input-to-the-revision-of-itu-r-sm-2352.docx>
		2. Reviewing now with ITU-R liaison and preparing to bring to .18 soon.
	3. FYI: **OFFICE OF ENGINEERING AND TECHNOLOGY SEEKS COMMENT ON ROBERT BOSCH LLC REQUEST FOR WAIVER OF SECTION 15.245(b) TO PERMIT THE MARKETING, SALE, AND OPERATION OF AN ACTIVE PARKING LOT MANAGEMENT SENSOR**
		1. ET Docket 20-65: [**https://www.fcc.gov/ecfs/search/filings?proceedings\_name=20-65&sort=date\_disseminated,DESC**](https://www.fcc.gov/ecfs/search/filings?proceedings_name=20-65&sort=date_disseminated,DESC)
		2. **Comments due 03 April, reply comments 20 April. (.18 approves Thurs/ATL)**
		3. Bosch states that it “has developed a low-power Parking Lot Occupancy Sensor (PLS) device for use by integrators and parking lot operators in a system that supports the allocation and indication of available parking spaces for automobiles, and which minimizes traffic within a parking lot or garage.”
		4. Section 15.245 provides for the use of the 2435-2465 MHz band for intentional radiators used as field disturbance sensors. Because Bosch seeks to operate across a larger amount of spectrum (an occupied bandwidth of 80 megahertz in the 2400-2483.5 MHz range), it seeks a waiver of this rule.
6. Chair presents slide 21, Actions required
	* **Reply comment contribution for FCC NPRM on 5.9 GHz.**
		+ **Chair to setup the ad hocs to have standing by.**
	* **ITU-R THz SM.2352 submission (from last July) for approval at March Plenary from 802.15 Terahertz IG, inputs?**
	1. Soon (after 5.9 GHz and Ofcom):
* **Start to consider what are IEEE 802 viewpoints are for WRC-23 agenda items.**
	1. Ongoing:
		1. WPT use of license-exempt bands and UWB in cell phones
		2. Digital Divide, how can we help?
1. Chair presents slide 21 Any Other Business
	1. None heard
2. Chair presents slide 22, Adjourn
	1. **Next weekly teleconference (scheduled to 07May): 12Mar20–*15:00–<15:55* ET**
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-14-0000-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 15:36et
	3. The next face to face meeting (so far.) of the 802.18 RR-TAG will be at IEEE 802, 11-15 May 2020 Wireless Interim in Marriott Hotel, Warsaw, Poland
		1. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start)–remember no reciprocal from other WGs
	4. (Book rooms soon for Montreal 12-17Jul Plenary)
	5. **Thank You**