IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 03 Oct 2019 |
| Name | Affiliation | Address | Phone | Email |
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|  |
| 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, 03 Oct 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **03oct** | **12sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** | **30jul** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** | **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** |  | **x** | **x** |  | **x** | **x** |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kenney | John | Toyota ITC |  |  | **x** | **x** | **x** | **x** | **x** |  |  |
| Kerry | Stuart | Ruckus/ | **x** | **x** | **x** |  | **x** | **x** | **x** |  |  |
| Lynch | Mike | MJLynch Assoc | **x** |  | **x** | **x** | **x** |  | **x** | **x** |  |
| Mody | Apurva | A10 Systems | **x** | **x** |  |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  | **x** |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Scott | Andy | NCTA |  |  |  |  | **x** | **x** |  | **x** |  |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  | **x** | **x** |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** | **x** |  | **x** |  | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **03oct** | **12sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** | **30jul** |
| Au | Edward | Huawei |  |  | **x** | **x** |  |  | **x** | early | **x** |
| Caldwell | Winston | Fox |  |  |  |  |  |  |  |  | **x** |
| Levy | Joseph | Interdigital | **x** |  | **x** | **x** |  |  | **x** | **x** | **x** |
| Sherlock | Ian | TI |  |  |  |  |  |  |  |  |  |
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Chair calls the meeting to order at 15:03 ET.

1. Chair presents slides 2, 3, and 4 of 802.18-19/0131r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0131r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Someone to take some notes: Peter Ecclesine (Cisco), thanks!
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. ITU-R Items
		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: Stuart Kerry (Ruckus)

Seconded by: Peter Ecclesine (Cisco)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 12 Sept 2019 in document <https://mentor.ieee.org/802.18/dcn/19/18-19-0124-00-0000-minutes-12sep19-rrtag-teleconference.docx> Posted: 14-Sep-2019 21:42:08 ET

Moved by: Ben Rolfe (Blind Creek Assoc.)

Seconded by: Stuart Kerry (Ruckus)

Discussion? None

Vote: Approved by 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 meetings #103/#104, 07-10Oct19/02-05dec19-Sophia Antipolis**
		1. 1st draft 5925-6425 Harmonized Standard is posted, to get things started.
		2. Results are posted on energy and preamble detect from testing at R&S.
			1. Issues with not detecting due to not a real (11ac) preamble. So more testing will be needed.
			2. Each vendor had their own consistent results but was different from vendor to vendor.
			3. More to come.
		3. Still concerns of adaptivity and adjacent channel performance.
			1. Need test procedures or can not be an essential requirement.
		4. And there is more see draft agenda BRAN(19)103001r3 . Looks to be a very full.
		5. Chair nominations. (See document #4)
			1. Vote is Tues & Wed last time slot. Need 71% first meeting. Then if needed a majority needed, which is likely. (99 companies registered).
			2. Ian Marshall from Ruckus and Guido Hiertz from Ericsson
	2. **CEPT – ECC** [**<SE45>**](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #89 09-11 Dec 19, ECO Copenhagen**
		1. Road Tolling showed up with papers and with 3 WIs in FM57, SE45 will need to do some.
			1. Road Tolling is in in the 5.8 GHz band, sSo interference was discussed.
			2. 250mW indoor was being used.
			3. Working with SE19 as they will be sending more on this.
			4. Likely will see more on this at the December meeting.
		2. See the minutes for more detail: SE45(19)011
	3. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #9, tbd, Czech Republic**
		1. German contribution presented toward an EC decision.
		2. See FM57(19)025 document the start of an EC decision.
			1. 25mW anywhere, and 250mW indoor.
		3. CEPT report B planned to be done by January meeting.
		4. Still have the 3 WIs; 5.7, radars and urban rail, being worked.
2. Chair presents slides 9, ITU-R items to share
	1. **Broadband for the economy:** A new study shows the economic impact of broadband on least developed countries (LDCs), landlocked developing countries (LLDCs) and small island developing states (SIDS). [**Read more**](https://news.itu.int/new-study-shows-economic-impact-of-broadband-on-least-developed-landlocked-and-small-island-nations/)
	2. **Focus shifts to ‘meaningful universal connectivity’:** A new report issued in New York this week by the Broadband Commission for Sustainable Development advocates for new collaborative strategies to drive the concept of ‘meaningful universal connectivity’ to counter slowing global growth. [**Get insights**](https://www.itu.int/en/mediacentre/Pages/2019-PR16.aspx)
3. Chair presents slides 10-12, General discussion items
	1. **UWB petition for rule making, public notice is out.**
		1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11844&sort=date_disseminated,DESC> (cg rm-11844)
		2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0079-00-0000-bosch-petition-for-rulemaking-uwb-devices-and-systems.pdf>
		3. Will review next draft, if available
		4. <https://mentor.ieee.org/802.18/dcn/19/18-19-0119-01-0000-draft-reply-comments-to-uwb-petition.docx> [**or latest**](https://mentor.ieee.org/802.18/dcn/19/18-19-0119)
		5. Reviewed and okay as is.
	2. **Motion: Move to approve the ex parte in** [**https://mentor.ieee.org/802.18/dcn/19/18-19-0119-01-0000-draft-reply-comments-to-uwb-petition.docx**](https://mentor.ieee.org/802.18/dcn/19/18-19-0119-01-0000-draft-reply-comments-to-uwb-petition.docx) **response to comments to FCC’s public notice RM-11844 on a UWB Petition for Rule Making. With the chair of 802.18 to have editorial privileges and send to the LMSC(EC) for review/approval and submission to the FCC before 24 October 2019.**

Moved by: Ben Rolfe (Blind Creek Assoc.).

Seconded by: Apurva Mody (A10 Systems)

Discussion? none

Vote: \_9\_Y / \_0\_N / \_0\_A

Voters: Jay, Apurva, Ben Vijay, Hassan, Mike, Peter, Stuart, Tim

Motion: Passed

Number in attendance: \_10 \_

* 1. **Note, it was determined later, r 01 is the marked up version as ran out of time to make a ‘clean’ r02 version which the chair, per editorial privilege, will do for LMSC(EC) ballot.**
	2. **FCC UWB Piper waiver request**
		1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-246&sort=date_disseminated,>[DESC](https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-246&sort=date_disseminated,DESC)
		2. The request.
			1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0122-00-0000-piper-uwb-waiver-request-to-fcc.pdf>
		3. TECHNOLOGY SEEKS COMMENT ON PIPER NETWORKS INC. REQUEST FOR WAIVER OF PART 15 RULES FOR ENHANCED TRANSIT LOCATION SYSTEM. (DA No. 19-865). (Dkt No 19-246). Comments Due: 2019-09-23. Reply Comments Due: 2019-10-08. OET
		4. Key points: fixed locations (along tracks) and higher power in 6GHz band.
			1. Also directional antennas up and down the track.
		5. In the EU if no response in certain distance, train is braked. Obvious train safety.
		6. Request does seem weak on technical data to support this request. There is engineering needed on how well it will provide solid links in all conditions.
		7. Also more would be good to justify the increase in power in 6GHz band.
		8. Do we want to comment?
			1. What is IEEE 802 value add? Not obvious.
			2. So no concerns brought up if we pass, so we will.
		9. We will keep in mind as train control comes up.
	3. **ISED RSP: 100 Certification of Radio Apparatus and Broadcasting Equipment**
		+ 1. Many updates on equipment certification.
	4. **ISED: Notice 2019-DRS001 Regarding Radio Frequency Exposure Compliance**
		1. IEC 69909-2 AMD1:2019 for RF Exposure Compliance, mandatory 01 Mar 20
	5. **ISED: New version of RSS-123, Issue 4**
		1. Certification of licensed wireless microphones in specific bands, e.g. 6930-6955 and 7100-7125MHz.
	6. **Indonesia: Changes for Short Range Devices**
		1. New regulation, PERDIRJEN NOMOR 161 TAHUN 2019) that covers requirements for Short Range Devices
	7. **Vietnam: Guidance for implementation of Circular 05/2019/TT-BTTTT**
		1. MIC has released official guidance Document 2902/BTTTT-KHCN, much on ISO/ IEC 17025 accredited labs needed for specific products.
	8. **Will leave on list the last 5 items above for next week, for all to review and report if we need to review any in more detail.**
1. Chair presents slide 13, Actions required
	1. UWB Bosch petition ex parte/reply. Start LMSC ballot
	2. All to review items in general discussion, do we need to dig deep in any.?
	3. Ongoing:
	4. WPT use of license-exempt bands and UWB in cell phones
	5. Digital Divide, how can we help?
2. Chair presents slide 13 Any Other Business
	1. Nothing brought up
3. Chair presents slide 14, Adjourn
	1. Next teleconference: 10 Oct 2019 – 15:00 – <15:55 ET
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-13-0000-teleconference-call-in-info.pptx> (or latest)
		2. All late changes/cancellations will be sent out to the 802.18 listserver.
	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, 10 – 15 November 2019 Plenary in the Hilton Waikoloa Village, Kona, HI, USA
	4. Normal time slots, Tuesday AM2 and Thursday AM1 – remember no reciprocal from other WGs
	5. **Thank You**