IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 12 Sep 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, 12 Sep 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **12 sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** | **30jul** | **25jul** |
| 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 | ARRIS/Ruckus | **x** | **x** |  | **x** | **x** | **x** |  |  |  |
| Lynch | Mike | MJLynch Assoc |  | **x** | **x** | **x** |  | **x** | **x** |  | **x** |
| Mody | Apurva | A10 Systems | **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** |
| **12sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** | **30jul** | **25jul** |
| Au | Edward | Huawei |  | **x** | **x** |  |  | **x** | early | **x** | **x** |
| Caldwell | Winston | Fox |  |  |  |  |  |  |  | **x** |  |
| Levy | Joseph | Interdigital |  | **x** | **x** |  |  | **x** | **x** | **x** | **x** |
| Sherlock | Ian | TI |  |  |  |  |  |  |  |  | **x** |
|  |  |  |  |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0123r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0123r01, 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. ITU-R Items
		3. ACMA sharing consultation
		4. UWB Bosch petition ex parte/reply comments
		5. General Discussion Items
	5. Actions required
		1. ACMA sharing comments
		2. UWB ex parte on comments
		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: 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 05 September August 2019 in document <https://mentor.ieee.org/802.18/dcn/19/18-19-0121-00-0000-minutes-05sep19-rrtag-teleconference.docx> Posted: 06-Sep-2019 11:18:15 ET

Moved by: Peter Ecclesine (Cisco)

Seconded by: Hassan Yaghoobi (Intel)

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 meeting #103, 07-10 Oct 2019, Sophia Antipolis**
		1. Who is on the list for chair nominations? (See document #4)
			1. Ian Marshall from Ruckus
			2. Guido Hiertz from Ericsson
	2. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #8, 25-27 Sept 2019, Rome, Italy**
		1. Contributions due by 20 Sept.
2. Chair presents slides 9, ITU-R items to share
	1. Nothing reported.
3. Chair presents slides 10-11, **ACMA consultation on sharing:**
	1. <https://www.acma.gov.au/theACMA/new-approaches-to-spectrum-sharing-1>
	2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0110-00-0000-acma-spectrum-sharing-new-approaches-consultation.docx>
	3. Comments due 27 Sept, the RR\_TAG would need to approve by 12 Sept.
	4. Asking about sharing approaches and looking for feedback. They have 7 questions.
	5. Had reviewed the questions and started some thoughts on them.
	6. **Some of the ACMA presentation slides are now available at:**
		1. <https://www.acma.gov.au/theACMA/~/link.aspx?_id=435BBFAE656548B8BFD81099B517F66E&_z=z>
		2. including one related to case study on CBRS and 6 GHz AFC that may be of interest:
		3. <https://www.acma.gov.au/-/media/Spectrum-Transformation-and-Government/Presentation/Spectrum-sharing-tune-up_Aug-2019_Federated-Wireless-pdf.pdf?la=en>
	7. **Need to approve today, reviewed and edited the latest draft:**
	8. <https://mentor.ieee.org/802.18/dcn/19/18-19-0118-02-0000-acma-spectrum-sharing-consultation-802-comments.docx>, [**or latest**](https://mentor.ieee.org/802.18/dcn/19/18-19-0118).
	9. **Motion:** Move to approve the comments in [https://mentor.ieee.org/802.18/dcn/19/18-19-0118-](https://mentor.ieee.org/802.18/dcn/19/18-19-0118-00-0000-acma-spectrum-sharing-consultation-802-comments.docx)04[-0000-acma-spectrum-sharing-consultation-802-comments.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0118-04-0000-acma-spectrum-sharing-consultation-802-comments.docx) response to comments to ACMA’s consultation on Spectrum Sharing, Overview and new approaches. With the chair of 802.18 to have editorial privileges and send to the LMSC(EC) for review/approval and submission to the ACMA before 26 September 2019.

Moved by: Stuart Kerry (Ruckus)

Seconded by: Hassan Yaghoobi (Intel)

Discussion? none

Vote: \_6\_Y / \_0\_N / \_0\_A

Voters: Jay, Apurva, Hassan, Peter, Stuart, Vijay

Motion: Passed

Number in attendance: \_6\_

1. Chair presents slides 12-13, **UWB Bosch petition for rule making**
	1. **UWB petition for rule making, public notice is out.**
	2. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=RM-11844&sort=date_disseminated,DESC> (cg rm-11844)
	3. <https://ecfsapi.fcc.gov/file/10618992215487/2019%20FINAL%20PETITION%20FOR%20RULE%20MAKING%20for%20FCC%20Filing.pdf>
	4. <https://mentor.ieee.org/802.18/dcn/19/18-19-0079-00-0000-bosch-petition-for-rulemaking-uwb-devices-and-systems.pdf>
	5. Feedback heard, there is more than just updates from past waivers.
	6. No one there to present current draft, will add to agenda for Tuesday session in Hanoi next week, 17Sept.
	7. <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)
2. Chair presents slides 14, **general discussion items**
	1. **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. 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
		3. Key points: fixed locations (along tracks) and higher power in 6GHz band.
			1. Also directional antennas up and down the track.
		4. Is there enough information to make a technical determination about any possible interference?
		5. The request.
			1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0122-00-0000-piper-uwb-waiver-request-to-fcc.pdf>
		6. Will add to agenda for Tuesday session in Hanoi next week, 17Sept.
	2. **FYI: Rule-Use of Spectrum Bands Above 24 GHz for Mobile Radio Services**
		1. FR Document: [2019-19323](https://www.federalregister.gov/documents/2019/09/09/2019-19323/use-of-spectrum-bands-above-24-ghz-for-mobile-radio-services?utm_source=federalregister.gov&utm_medium=email&utm_campaign=subscription+mailing+list)

Citation: 84 FR 47146 [PDF](https://www.govinfo.gov/content/pkg/FR-2019-09-09/pdf/2019-19323.pdf?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email) Pages 47146-47147 *(2 pages)* [Permalink](https://www.federalregister.gov/documents/2019/09/09/2019-19323/use-of-spectrum-bands-above-24-ghz-for-mobile-radio-services?utm_source=federalregister.gov&utm_medium=email&utm_campaign=subscription+mailing+list)

Abstract: In this document, the Commission announces that the Office of Management and Budget (OMB) has approved the information collection associated with a rule for specific millimeter wave bands above 24 GHz in the Commission's Fifth Report and Order, FCC 19-30, and that compliance with the modified rule is now required. It removes paragraphs advising that compliance was not required until OMB approval was obtained. This document is consistent with the Fifth Report and Order FCC 19-30, which states...

1. Chair presents slide 15, Actions required
	1. ACMA if approved, start LMSC ballot.
	2. UWB Bosch petition ex parte/reply, if approved, start LMSC ballot.
	3. UWB waiver request by Piper for a track site system, \_\_tbd\_\_\_\_\_.
	4. Ongoing:
	5. WPT use of license-exempt bands
	6. Digital Divide, how can we help?
2. Chair presents slide 16 Any Other Business
	1. Nothing brought up
3. Chair presents slide 17, Adjourn
	1. Next teleconference: 26 September 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 list server.
	2. Adjourn:
		1. Agenda complete, any objection to Adjourn.
		2. None heard, Adjourn at 15:44 ET.
	3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 17 – 19 Sept. 2019 Wireless Interim in the JW Marriott Hotel, Hanoi, Vietnam
		1. Normal time slots, Tuesday AM2 and Thursday AM1– remember no reciprocal from other WGs
		2. <http://www.mtgevents.com.au/ieee2019/visa-and-travel/>
		3. **Remember: bans on certain 15-inch MacBook Pro laptops on planes in any way.**
	4. **Thank You**