IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 21 Nov 2019 |
| Name | Affiliation | Address | Phone | Email |
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|  |
| 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, 21 Nov 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **21nov** | **07nov** | **24oct** | **17oct** | **03oct** | **12sep** | **05sep** | **29aug** | **22aug** |
| Auluck | Vijay | Self Employed | **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** |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kenney | John | Toyota ITC |  | **x** |  |  |  |  | **x** | **x** | **x** |
| Kerry | Stuart | Ruckus/ |  | **x** |  |  | **x** | **x** | **x** |  | **x** |
| Lepp | James | BlackBerry | **x** |  |  |  |  |  |  |  |  |
| Lynch | Mike | MJLynch Assoc | **x** |  | **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** |
| Scott | Andy | NCTA |  |  |  |  |  |  |  |  | **x** |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation |  |  |  | **x** | **x** | **x** | **x** | **x** |  |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **21nov** | **07nov** | **24oct** | **17oct** | **03oct** | **12sep** | **05sep** | **29aug** | **22aug** |
| Au | Edward | Huawei | **x** |  |  |  |  |  | **x** | **x** |  |
| Levy | Joseph | Interdigital | **x** |  |  | **x** | **x** |  | **x** | **x** |  |
| Aboul-Magd | Osama | Huawei | **early** |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2 – 6 of 802.18-19/0147r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-19/0147r01, 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. ACMA consultation
		4. Chairman Pai’s statement on 5.9 GHz
		5. General Discussion Items
	5. Actions required
		1. WRC-19 outcome to IEEE 802 viewpoints
		2. WRC-23 Agenda Items, interest to IEEE 802
		3. Outcome on ACMA consultation
		4. Anything new today
	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: Vijay Auluck (self)

Seconded by: Ben Rolfe (Blind Creek)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion**: To approve the minutes from the IEEE 802.18 Teleconference 07 Nov 2019 in document <https://mentor.ieee.org/802.18/dcn/19/18-19-0141-00-0000-minutes-07nov19-rrtag-teleconference.docx> Posted: 08-Nov-2019 08:05:09 ET

Moved by: Vijay Auluck (self)

Seconded by: James Lepp (Blackberry)

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?** nothing heard
1. Chair presents slides 9-10, EU items to share
	1. Nothing reported
2. Chair presents slide 11, ITU-R items to share
	1. WRC-19 wraps up tomorrow, 22nd.
	2. A member sent along a link to get weekly updates from, very nice:
		1. <https://cept.org/ecc/groups/ecc/cpg/page/weekly-report-from-wrc-19>[/](https://cept.org/ecc/groups/ecc/cpg/page/weekly-report-from-wrc-19/)
		2. Week 4/final week update just came out today (21st).
	3. Our viewpoints/watch list: 1.12, 1.13, 1.15, 1.16, 9.1.5, 10
		1. <https://mentor.ieee.org/802.18/dcn/17/18-17-0073-07-0000-ieee-802-viewpoints-on-wrc-19-agenda-items.pptx>
		2. Quick look at the update, not all the agenda items went in the direction we had wanted.
			1. e.g. 66-71GHz went to IMT.
		3. Will have to digest deeper and look through the final outcome from WRC-19.
		* All – please review final outcome (or weekly update at link above) and report where results didn’t go where we wanted.

* 1. And anything on WRC-23 Agenda Items?
		1. CPM-1 starts next Monday that will parse out the agenda items to different study groups.
1. Chair presents slides 12-13, ACMA consultation on compliance priorities
	1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0146-01-0000-acma-ifc-36-2019-compliance-priorities-20-21.docx>
	2. Note that ACMA's compliance priorities for 2019 to 2020 are as follows:
	3. 1. Telco consumer safeguards; 2. Small cell base stations for 4G and 5G
	4. 3. Unsolicited communications 4. News 5. Gambling
	5. 6. Interference and licencing compliance
	6. As we (ACMA) develop our compliance priorities for the 2020 to 2021 work program, we’d like you to send us your views on our current priority areas. We’d also like to hear about any new issues of public interest or those causing consumer harm.
	7. At the plenary decided to answer the few questions ACMA is asking about, though need to approve today, 21st, to meet the deadline of 05 Dec.
	8. Draft comments: <https://mentor.ieee.org/802.18/dcn/19/18-19-0149-00-0000-acma-ifc-36-2019-ieee-802-comments-compliance-priorities-20-21.docx>
	9. We reviewed, just a couple of edits, in question 1. Mark up is in r01 and clean copy in r02.
	10. **Motion:** Move to approve the comments [https://mentor.ieee.org/802.18/dcn/19/18-19-0149-02-0000-acma-ifc-36-2019-ieee-802-comments-compliance-priorities-20-21.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0149-00-0000-acma-ifc-36-2019-ieee-802-comments-compliance-priorities-20-21.docx) to ACMA’s IFC 36/2019 compliance priorities consultation. With the chair of 802.18 to have editorial privileges and send to the EC for review/approval and submission to the ACMA on or before 04 December 2019.
		1. Moved by: Ben Rolfe (Blind Creek Assoc.)
		2. Seconded by: Mike Lynch (MJLynch Assoc.)
		3. Discussion? none
		4. Vote: \_5\_Y / \_0\_N / \_0\_A
		5. Motion - Passes
		6. 7 on the call at the time.
2. Chair presents slide 14-15, Chairman Pai’s statement on 5.9GHz
	1. Mentor:
	2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0150-00-0000-chairman-pais-remarks-new-5-9-ghz-band-proposal.docx>
		1. FCC: <https://www.fcc.gov/document/chairman-pais-remarks-new-59-ghz-band-proposal>
	3. “Specifically, I’m proposing to make available the lower 45 MHz of the band for unlicensed uses like Wi-Fi and allocate the upper 20 MHz for a new automotive communications technology, Cellular Vehicle to Everything, or C-V2X. I’m also proposing that we seek public input on whether to allocate the remaining 10 MHz in the band to C-V2X or DSRC. The Commission will vote on this Notice of Proposed Rulemaking at our December 12 meeting. “
	4. **The 12 Dec Commissioners Open call agenda came out earlier today with this.**
		1. <https://www.fcc.gov/news-events/events/2019/12/december-2019-open-commission-meeting>
	5. **Draft NPRM:**
		1. Agenda has link to draft nprm: <https://www.fcc.gov/document/promoting-innovation-59-ghz-band>
		2. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0151-00-0000-fcc19-138-draft-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx>
	6. **Proceeding 19-138:**
		1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
	7. Chairman Pai did mention this back on 14 May, though still a surprise to most how it came out.
	8. DSRC is significantly impacted, as is P802.11bd. There will be many inputs to consider.
	9. Some original IEEE docs: 11-13/1449, 11-15/0402 and 11-14/1596 for some recent history.
	10. **What does IEEE 802 do?**
		* **All with interest should start to review the draft NPRM and start developing compelling comments to submit when the NPRM is issued 12 Dec, there is a lot that needs to be thought about.**
3. Chair presents slide 16-17, General discussion items
	1. FCC 6 GHz proceeding(s) 18-295/17-183 have several new filings, and expected R&O at the 30 January Open Commission Meeting.
		* 1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
			2. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=17-183&sort=date_disseminated,DESC>
		1. FCC Expanding Flexibl use of the 3.7 GHz to 4.2 GHz Band , 18-122, also expected at January open call.
			1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-122&sort=date_disseminated,DESC>
	2. Rule -- Establishment of a Spectrum Utilization Policy for the Fixed and Mobile Services' Use of Certain Bands Between 947 MHz and 40 GHz; etc Correction.
		1. [PDF](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.govinfo.gov_content_pkg_FR-2D2019-2D11-2D19_pdf_2019-2D24669.pdf-3Futm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail-26utm-5Fcampaign-3Dsubscription-2Bmailing-2Blist&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=oG8jmvNzh_S7y_IP3fOJIT2bYLji5aFgFnqesvsaHnw&s=-Cm5_ngHh_V14I586AcS-ROeDrzqv3KG6ssHDlm5gfk&e=) Pages 63811-63812 (2 pages) [Permalink](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_d_2019-2D24669-3Futm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail-26utm-5Fcampaign-3Dsubscription-2Bmailing-2Blist&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=oG8jmvNzh_S7y_IP3fOJIT2bYLji5aFgFnqesvsaHnw&s=2LOxbRko8mPs7BpH9gg3990vU0d-eNqXSP0mHU1igpc&e=)
	3. Rule -- Transforming the 2.5 GHz Band; Correction
		1. [PDF](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.govinfo.gov_content_pkg_FR-2D2019-2D11-2D21_pdf_2019-2D25202.pdf-3Futm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail-26utm-5Fcampaign-3Dsubscription-2Bmailing-2Blist&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=pvNnWiSPBdYGFDbUfurRveUo046UQuj7kg_bWsapMdM&s=qE7xlXmDyfEXhWUoPu9NVKLeAebnfDB6OtQi3MAjf_0&e=) Pages 64209-64210 *(2 pages)* [Permalink](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_d_2019-2D25202-3Futm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail-26utm-5Fcampaign-3Dsubscription-2Bmailing-2Blist&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=pvNnWiSPBdYGFDbUfurRveUo046UQuj7kg_bWsapMdM&s=F3pFzllc-0EueBUhsNUdwknD_EVwefAxCXpwaUktR6A&e=)
	4. **IEEE-EU spectrum position paper update: (Will pickup later)**
		1. <https://mentor.ieee.org/802.18/dcn/18/18-18-0028-02-0000-draft-ieee-european-public-policy-position-statement-on-spectrum-management.docx>
		2. The IEEE SA position that the RR-TAG help develop, we had requested to use in the EU, in place of theirs:
			1. <https://mentor.ieee.org/802.18/dcn/18/18-18-0010-10-0000-sa-use-of-spectrum-draft-position-orig06dec17.docx>
		3. \_\_\_\_\_\_\_\_
4. Chair presents slide 18, Actions required
* **All should review our IEEE 802 viewpoints outcome from WRC-19.**
* **And start to consider what are IEEE 802 viewpoints are for WRC-23 agenda items.**
* **Chair to send ACMA comments to the LMSC(EC) to approve and then send to ACMA.**
* **All review the draft NPRM on 5.9 GHz and work on compelling comments**
	1. Ongoing:
	2. WPT use of license-exempt bands and UWB in cell phones
	3. Digital Divide, how can we help?
1. Chair presents slide 19 Any Other Business
	1. Nothing brought up
2. Chair presents slide 20, Adjourn
	1. Next teleconference: 05 Dec 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 15:59 ET.
	3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 12–17 Jan. 2019 Wireless Interim in the Hotel Irvine, Irvine, California, USA
	4. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start) – remember no reciprocal from other WGs
	5. **Thank You**