IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 18 Feb 20 |
| 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 Ad Hoc Telecon

These are the Minutes of the IEEE 802 RR-TAG Ad Hoc Telecon, Tuesday, 18 Feb 20

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **18feb** | **14feb** | **13feb** | **11feb** | **06feb** | **30jan** | **23jan** | **09jan** | **02jan** |
| Auluck | Vijay | Self Employed |  |  |  |  |  |  |  | **x** | **x** |
| Boldy | David | Broadcom | **x** | **x** | **x** | **x** | **x** | **x** |  |  |  |
| De Vegt | Rolf | Qualcomm |  |  | **x** |  |  | **x**  |  |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. |  | **x** | **x** | **x** | **x** | **x** |  | **x** |  |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  | **x** |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jefferies | Tim | FutureWei |  |  | **x** |  | **x** | **x** | **x** |  |  |
| Kain | Carl | Noblis, Inc. |  | **x** | **x** | **x** |  | **x** | **x** | **x** |  |
| Kenney | John | Toyota ITC | **x** |  |  |  | **x** | **x** | **x** | **x** |  |
| Kerry | Stuart | Ruckus/CommScope | **x** | **x** | **x** | **x** |  | **x** | **x** |  |  |
| Lansford | Jim | Qualcomm |  | **x** |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry |  | **x** | **x** | **x** | **x** |  | **x** | **x** |  |
| Lynch | Mike | MJLynch Assoc |  |  | **x** |  |  | **x** |  | **x** | **x** |
| Nikolich(lmsc) | Paul | Self and others | **x** |  |  |  |  |  |  |  |  |
| Palm  | Stephen | Broadcom |  |  |  |  |  | **x** | **x** |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** |  |  | **x** | **x** |  |  |  | **x** |
| Sarris | Ioannis | u-blox | **x** | **x** |  | **x** | **x** |  | **x** |  |  |
| Schiessl | Sebastian | u-blox | **x** |  | **x** | **x** | **x** |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  | **x** | **x** |  | **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** |
| **18feb** | **14feb** | **13feb** | **11feb** | **06feb** | **30jan** | **23jan** | **09jan** | **02jan** |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  |  |  |  |  |
| Au | Edward | Huawei |  |  | **x** |  | **x** | **x** |  |  | **x** |
| Hamilton | Mark | Ruckus/CommScope |  |  | **x** |  |  |  |  |  |  |
| Haskou | Abdullah | Interdigital |  | **x** |  |  |  |  |  |  |  |
| Hervieu | Lili | Cable TV Labs |  |  | **x** |  | **x** |  |  |  |  |
| Levy | Joseph | Interdigital | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lisa | Ward | Rohde&Schwarz | **x** |  |  |  | **x** |  |  | **x** |  |
| Perkins | Richard | Qorvo |  |  |  |  |  |  |  |  |  |
| Roy | Dick | Self | **x** | **x** |  | **x** |  |  |  |  |  |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  |  |
| User 4 |  |  |  |  |  |  |  |  | **x** |  |  |

Chair calls the meeting to order at 15:033 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0025r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0025r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Someone to take some notes: jay
	3. Approve agenda & last minutes
	4. Discussion items
		1. FCC 5.9 GHz FCC’s NPRM
		2. General Discussion Items
	5. Actions required
		1. FCC 5.9 GHz NPRM contributions
		2. Anything new today
	6. AOB and Adjourn
	7. Motion: Any objection to approving the agenda as presented? None heard.
		1. Vote: Unanimous consent
3. Chair presents slide 8-11, FCC’s 5.9 GHz NPRM
	1. The NPRM:
		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> (🡺r01/**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. Timeline, with the NPRM published - 06Feb.
		1. **30 days has comments due Monday 09March.** (reply comments due 06April)
		2. For 10-day LMSC ballot: absolute latest would be .18 approves 27Feb,
			1. However very risky, only a few hours of pad, and would have to depend on early close from EC to help mitigate the risk, etc.
		3. **Very short discussion…**
		4. **we will target to approve in .18 on Thursday 20 February**.
	4. Ad hocs coming up: see back up slides for all the call-in info.
		1. Sending to .11 list server now also.
	5. Wednesday 19th - 3pm–et-2hr
	6. Thursday 20th, morning – 10am-noon-et? just in case
	7. 20th is target to approve, in 3 days (only minutes for last read and vote.)
	8. Friday 21st - 3pm–et–2hr tbd
	9. Tuesday 25th - 3pm–et-2hr tbd
	10. Of course, not all can make each one and/or the entire time, so just asking to do what you can.
	11. Any adjustment, cancellations, etc. watch the .18 list server.
	12. .18 document is now 18-20/0020;
		1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0020>
		2. r05 – after the meeting friday (14th) ad hoc
	13. **Remember from discussions in Irvine.**
		1. Focus on what we all can agree on, pass on what we don’t have agreement on.
		2. Neutral on the partitioning, e.g. 45MHz/30MHz split in the NPRM
		3. Use the migration from 802.11p to 802.11bd to our advantage and how it strengthens the future of ITS, e.g. compatibility etc.
		4. What ITS functions can be done in general unlicensed spectrum, so then IEEE 802.11 can be used throughout the entire band.
			1. Promote IEEE 802 as an open standard and update the standards terminology used.
	14. Have not received OOBE contribution that we could drop in and discuss.
		1. We may have to depend on contributions from external organizations, to cover this.
	15. See agenda backup slides for details and some historical points already discussed.
4. Chair presents slide 11, 5.9 GHz NPRM – Timeline.
	1. proposed timeline
	2. Ad hoc Friday 14th – 3pm–et-2hr
		1. Sections 2.1, 2.2, 3.1, 3.2
	3. Ad hoc Tuesday 18th – 3pm–et-2hr
		1. Sections 4, 5.1, 6 and 7.4
		2. Do we remove OOBE?
		3. Need more contributions for 6.1
	4. Ad hoc Wednesday 19th - 3pm–et-2hr
		1. 8.0, conclusion, references, sections w/o blue ?s, and overall review.
	5. Normal 802.18 meeting, this Thursday 20th is target to approve
		1. Extremely fast read and vote.
	6. 21Feb – 02Mar LMSC(EC) ballot
		1. 03Mar 24 hrs for all votes to come in per the rules.
		2. 04Mar ready to upload to FCC
	7. We proceeded through the draft and wrapped up section 5, 6 and 7 in good shape.
		1. Section 4 and turns our new sections inputs were clarified, somewhat involved. Review a side document with the new sections and will work to integrate them the coming night.
		2. Sections 5 and 6 were pretty straight forward, see marked up drafts.
		3. Sections 7.1, 7.2 and 7.3 were from the approved IEEE 802 comments to the 5GAA waiver request last year so didn’t want to change those since already approved.
		4. Section 7.4 is new and received
		5. Section 8 we went through and made a plan for a member to update for tomorrow. basically summarize a list of place in the NPRM to use the IEEE 802.11-2016 Annex D.2 and D.5 not 802.11p
5. Chair presents slide 12, Actions required
	* **Comment contributions for 5.9 GHz NPRM**
		1. **Request inputs the night calls before to allow time to integrate.**
6. Chair presents slide 13 Any Other Business
	1. passed over this slide, we were running long.
7. Chair presents slide 14, Adjourn
	1. Next weekly teleconference: 20feb2020 – 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 listserver.
	2. **Next ad hoc on 5.9 GHz NPRM comments: Wednesday, 19Feb at 3pm-et**
		1. Email will be sent with call in info. Also in back up slides in agenda.
	3. Adjourn:
		1. Agenda complete, any objection to Adjourn.
		2. None heard, Adjourn at 17:05et
	4. **Thank You**