IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 19 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, 19 Feb 20

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **19feb** | **18feb** | **14feb** | **13feb** | **11feb** | **06feb** | **30jan** | **23jan** | **09jan** |
| Auluck | Vijay | Self Employed |  |  |  |  |  |  |  |  | **x** |
| Boldy | David | Broadcom | **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** |
| Fang | Yonggang | ZTE TX Inc | **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** | **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** | **x** |  |  |  |  |  |  |  |
| Palm  | Stephen | Broadcom |  |  |  |  |  |  | **x** | **x** |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  | **x** |  |  | **x** | **x** |  |  |  |
| Sarris | Ioannis | u-blox | **x** | **x** | **x** |  | **x** | **x** |  | **x** |  |
| Schiessl | Sebastian | u-blox | **x** | **x** |  | **x** | **x** | **x** |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  | **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** |
| **19feb** | **18feb** | **14feb** | **13feb** | **11feb** | **06feb** | **30jan** | **23jan** | **09jan** |
| Aboul-Magd | Osama | Huawei | **x** |  |  |  |  |  |  |  |  |
| Au | Edward | Huawei |  |  |  | **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** |  | **x** |  |  |  |  |
| User 4 |  |  |  |  |  |  |  |  |  | **x** |  |

Chair calls the meeting to order at 15:05 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0027r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0027r01, 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 8-10, 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. Thursday 20th, morning – 10am-noon-et? just in case for grammar/formatting only
	6. 20th is target to approve, in 3 days (only minutes for last read and vote.)
	7. Friday 21st - 3pm–et–2hr tbd
	8. Tuesday 25th - 3pm–et-2hr tbd
	9. Of course, not all can make each one and/or the entire time, so just asking to do what you can.
	10. Any adjustment, cancellations, etc. watch the .18 list server.
	11. .18 document is now 18-20/0020;
		1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0020>
	12. R06/07/08 – after the ad hoc Tuesday (18th)
	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. 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 Wednesday 19th - 3pm–et-2hr
	3. ~~4, 8.0, conclusion, references, sections w/o blue ?s, and overall review.~~
		1. = the new/update sections (next)
		2. = finishing up the blue text questions
		3. = the conclusion
		4. = all the references
		5. = all of the non-blue (didn’t have ?s) sections/overall review
		6. = then it is ready to make a clean copy to vote on
	4. When do make a good clean copy?
	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
5. Chair presents slide 12, 5.9 GHz NPRM – sections.
	1. New sections (after some re-numbering)
	2. 4      Comments on the proposal on: “… designating 30 megahertz of spectrum will be sufficient to support ITS-related functions in the 5.9 GHz band—public safety applications involving safety of life and property—which will be part of a larger wireless ecosystem that advances national transportation and vehicular safety-related goals. [2] paragraph 10
	3. 5      Comments on “The Commission proposes to authorize C-V2X operations in the upper 20 megahertz of the 5.9 GHz band (5.905-5.925 GHz) as a means of authorizing the ITS technology that is most capable of ensuring the rapid development and deployment of continually improving transportation and vehicular safety-related applications now and into the future, that is robust, secure, and spectrally efficient, and that is able to integrate spectrum resources from other bands as part of its transportation and vehicular safety-related system. [2] paragraph 11
	4. 7       Comments on “… whether it should continue to set aside the 10 megahertz of spectrum at 5.895- 5.905 GHz for DSRC.” [2] paragraph 16
	5. 12      Comments on the statement: “… the DSRC service has evolved slowly and has not been widely deployed within the consumer automobile market …” [2] Paragraph 55
	6. We proceeded through the r09 draft.
		1. And, made it through all the content.
		2. Only the conclusion was left, and a member requested that the 2 authors get together and work on the conclusion.
			1. Another member reminded us, that general 802.18 conclusion are usually very short and high level to the point, just a thank you and please consider our comments.
			2. note: after the ad hoc, the 2 authors did spend 1 ½ hours Wednesday evening discussing the comments and did put together a conclusion.
		3. At this point it was agreed to use the comments as agreed upon in the ad hoc, and asked the chair to upload the marked up copy (adding the conclusion) and make a clean copy to vote on the next day (20th) at the normal .18 teleconference for approval to send to the LMSC(EC) and then the FCC.
6. Chair presents slide 13, Actions required
	* **Both current authors to get together and put a conclusion together.**
	* **The chair to add conclusion to the marked up r09 comments and upload.**
	* **Then make an r10 clean copy for vote in the normal .18 teleconference the next day, the 20th.**
7. Chair presents slide 14 Any Other Business
	1. **ran out of time and skipped this.**
8. Chair presents slide 15, 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. Adjourn:
		1. Agenda complete, any objection to Adjourn.
		2. None heard, Adjourn at 17:07et
	3. **Thank You**