IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 21 Feb 19 |
| Name | Affiliation | Address | Phone | Email |
|  |
| Author(s):  |
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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, 21 Feb 19

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **03Jan** | **10Jan** | **28Jan** | **31Jan** | **06Feb** | **07Feb** | **13Feb** | **14Feb** | **21Feb** |
| Auluck | Vijay | Self Employed | **X** |  | **X** |  |  |  | **X** | **X** |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **X** | **X** | **X** | **X** |  | **X** | **X** | **X** | **X** |
| Harrington | Timothy | Pro-ID Consulting |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Jeffries | Timothy | Huawei Technologies |  |  |  |  |  |  |  |  |  |
| Kain | Carl | Noblis Inc. | **X** |  | **X** | **X** |  | **X** |  |  |  |
| Kennedy | Richard | Self |  |  |  | **X** |  |  |  |  |  |
| Kerry | Stuart | ARRIS/Ruckus |  | **X** |  |  |  | **X** | **X** | **X** | **X** |
| Lansford | James | Qualcomm |  |  |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry |  | **X** | **X** | **X** |  | **X** |  | **X** | **X** |
| Lynch | Mike | MJLynch Assoc | **X** | **X** |  | **X** |  | **X** |  |  | **X** |
| Notor | John | Notor Research |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation |  | **X** |  | **X** |  | **X** |  |  | **X** |
| Verso | Billy | DecaWave |  | **X** |  |  |  |  |  |  |  |
| Zhu | Chunhui | Huawei Technologies  |  |  |  |  |  |  |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **03Jan** | **10Jan** | **28Jan** | **31Jan** | **06Feb** | **07Feb** | **13Feb** | **14Feb** | **21Feb** |
| Boldy | David | Broadcom |  |  |  |  |  |  |  |  |  |
| Cook | Charles | Windstream Communications |  |  |  |  |  |  |  |  |  |
| Fischer | Michael | NXP Semiconductors |  |  | **X** | **X** | **X** | **X** | **X** | **X** |  |
| Hamilton | Mark | ARRIS/ Ruckus |  |  |  |  |  |  |  |  |  |
| Hervieu | Lilli | CableLabs |  |  |  |  |  |  |  |  |  |
| Kenney | John | Toyota ITC | **X** | **X** | **X** | **X** |  |  | **X** | **X** | **X** |
| Levy | Joeseph | Interdigital |  |  |  |  |  |  |  | **X** | **X** |
| Nejatian | Alireza | Ericsson | **X** |  |  | **X** |  | **X** |  |  | **X** |
| Rajkotia | Purva | IEEE Staff |  |  |  | **X** |  |  |  |  |  |
| Rison | Mark | Samsung |  |  |  |  |  |  |  | **X** |  |
| Rolfe | Ben | Blind Creek Assoc. and UWB Alliance | **X** | **X** |  | **X** |  | **X** |  |  |  |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0023r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0023r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Need a recording secretary, Peter Ecclesine (Thank You)
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. FCC NPRM 18-295
		3. ECC Report 302
		4. General Discussion Items
			1. U.S. DoT comment status
			2. ACMA comment status
			3. Tutorial on Bi-Directional spectrum sharing
	5. Actions required
		1. And anything new from today
	6. AOB and Adjourn
3. Chair presents slide 6, Administrative – Motions and more
	1. The Chair noted an RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help?**
	2. **Motion: To approve the agenda as presented on previous slide**
		1. Moved by: Stuart Kerry (Ruckus)
		2. Seconded by: Hassan Yaghoobi (Itron)
		3. Discussion? None
		4. Vote: Unanimous consent
	3. **Motion: To approve the minutes from the IEEE 802.18 teleconference 14 February 2019 in document:** [**https://mentor.ieee.org/802.18/dcn/19/18-19-0021-00-0000-minutes-14feb19-rrtag-teleconference.docx**](https://mentor.ieee.org/802.18/dcn/19/18-19-0021-00-0000-minutes-14feb19-rrtag-teleconference.docx) **Posted: 15-Feb-2019 09:16:06 ET**
		1. Moved by: Mike Lynch (MJLynch Assoc)
		2. Seconded by: Peter Ecclesine (Cisco)
		3. Discussion? None
		4. Vote: Unanimous consent
4. Chair presents slides 7-8, EU Items to share
	1. **ETSI –** [<BRAN>](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #101, 25-28 Feb, Sophia Antipolis**
		1. Rush of filings, 7 to 8 of them on 5GHz adaptivity, for meeting next week.
		2. TN 103631 – 6725-7125MHz, is in process and available to be approved next week.
	2. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #7, 24-25 Apr, Copenhagen**
		1. Coming soon is a contribution to improve the Exec. Summary of ECC Report 302. (Like the FM57 web meeting contribution recently.)
		2. A key is the Exec Summary is not representing all the Exec. Summaries of the different sections by particular uses.
		3. Public consultation is in process, its due date confirmed on 01 April.
	3. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #5, 12-13 March, Masons Alfort**
		1. The meeting coming up is same time as IEEE Plenary.
		2. Satellite and RLAN was the main topic however most technical folks will be at IEEE meeting, so how this will work out we will see.
5. Chair presents slide 9, FCC NPRM 18-295, 6 GHz
	1. Comments: <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
	2. Reply comments due 18 March.
	3. **There are 112 entities, into 88 unique filings, 1500+… pages**
	4. Microwave – FWCC filing is the one of note.
		* + 1. Look at the Comsearch filing, the FCC data base is not sufficient, use us.
			1. Coals data base the FCC stopped using in 2014
	5. End result - use our data base and we will “control” you.
	6. Public safety & Utilities – many pointed to earlier FWCC filings and making same points. Both have microwave uses and cannot deal with interference…..
	7. Broadcast – NAB is the prime. A house divided. They run a minimal link margin.
	8. Auto makers – Very concerned with the 5925MHz and below.
	9. RLAN – a few filings here also, easily found.
	10. Other incumbents also.
	11. **For IEEE 802.18 at this time we will monitor the process and will not be doing comments. (Considering what was learned in the past year on considering IEEE 802 as a whole, there are other parties covering the different IEEE 802 interests)**
6. Chair presents slide 10, ECC Report 302, 6 GHz
	1. <https://www.cept.org/Documents/wg-se/49152/se-19-044a18_draft-ecc-302-report-rlan-6ghz_final-pc>
	2. Comments due 01 April
	3. SE45, 24-25 April will work to resolve the matters from comments received, then SE57 on 26th, will revise their report A with agreed upon resolutions of the comments.
		1. Then a follow-on meeting in May of FM57, to get their report A approved.
		2. FM 57 - Report A no technical #s, then Report B is done with the #s, so BRAN can do a standard.
		3. Remember, SE is the technical analysis needed for the rules, then FM writes the rules.
	4. **For IEEE 802.18 at this time we will monitor the process and will not be doing comments. (Considering what was learned in the past year on considering IEEE 802 as a whole, there are other parties covering the different IEEE 802 interests)**
7. Chair present slides 11-13, General Discussion Items.
	1. U.S. DoT Releases RFC on V2x Communications
		1. Comments:<https://www.regulations.gov/document?D=DOT-OST-2018-0210-0001>
		2. Our final comments: <https://mentor.ieee.org/802.18/dcn/19/18-19-0008-08-0000-usdot-v2x-communciations-rfc-ieee-802-comments.pdf>
		3. Status of our comments:
			1. Moderate update requested from EC on use of OCB.
			2. Thanks to authors last Friday, 15th, was able to adjust the request so approval by all.
			3. EC Ballot snuck by, 10-0-0-5, 66.67% response, 100% approval.
			4. If not uploaded by this teleconference it will be by 22 Feb.
	2. ACMA - Proposed updates to class licensing arrangements supporting 5G and other technology innovations
		1. [IFC 45/2018 Class licensing updates: Supporting 5G and other technology innovations](https://www.acma.gov.au/theACMA/class-licensing-updates-supporting-5g-and-other-technology-innovations)
		2. Our final comments: <https://mentor.ieee.org/802.18/dcn/19/18-19-0014-07-0000-comments-to-acma-on-proposed-updates-to-class-licensing-arrangements.pdf>
		3. Status of our comments
			1. EC Ballot passed in early close, 11-0-0-4, 73% response, 100% approval
			2. Should be uploaded by the time of this teleconference.
			3. Note: Did not get a confirmation email, tried again with an error - already there. The chair will monitor to be sure our comments are posted, after the ACMA close on this consultation March
			4. After this teleconference, the chair did receive confirmation from ACMA our comments are their okay.
	3. Plenary, Monday night Tutorial, 18:30 – 19:50:
		1. Spectrum .... Be Prepared for Sharing <http://www.ieee802.org/Tutorials.shtml>
		2. Not part of the tutorial, though this may be of interest to some: a multi-year Spectrum Collaboration Challenge:
			1. <https://www.darpa.mil/news-events/spectrum-collaboration-challenge-sc2>
			2. <https://www.spectrumcollaborationchallenge.com/>
8. Chair presents slide 14, Actions Require
	1. Nothing specific at this time
9. Chair presents slide 15, Any Other Business
	1. None heard
10. Chair presents slide 16, Adjourn
	1. Next teleconference: 28 Feb 2019 – 15:00 – <15:55 ET
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-11-0000-teleconference-call-in-info.pptx> (or latest)
		2. Note: If the call-in link doesn’t work send the Chair an email right away.
		3. All 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 15:47 ET.
	3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802 11-15 March 19 the Plenary in the Hyatt Regency Vancouver and Fairmont Hotel Vancouver, Vancouver, BC, Canada
		1. Time slots, Tuesday AM2 and Thursday AM1
		2. Note: this Plenary has Fellowship attendees; Monday AM2 is the 802.18 tutorial for them.