IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 06Aug20 |
| Name | Affiliation | Address | Phone | Email |
|  |  |  |  |  |
| 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, 06Aug20

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

1. Chair presents slides 2 – 6 of 802.18-20/0113r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0113r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Someone to take some notes, Peter E.
		2. Attendance & request queue in chat window, Stuart K.
	3. Approve agenda & last minutes
		1. Latest on moving forward
	4. Discussion items
		1. EU Items
		2. APAC Items
		3. ITU-R Items
		4. FCC R&O and FNPRM on 6 GHz
		5. General Discussion Items
	5. Actions required
		1. Anything new today
	6. AOB and Adjourn
3. Chair presents slides 8 - 9 Administrative – Motions and more
	1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Stuart Kerry (self/OK-Brit)

Seconded by: Vijay Auluck (self)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 30 July 2020 in document https://mentor.ieee.org/802.18/dcn/20/18-20-0112-00-0000-minutes-30jul20-rrtag-teleconference.docx 01-Aug-2020 18:53:13 ET, with editorial privilege for the 802.18 chair.

Moved by: Mike Lynch (MJLynchAssoc)

Seconded by: Ben Rolfe (Blind Creek)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward – no change**
		1. For September 2020 Wireless Interim (Atlanta) , the Wireless Chairs met and have postponed this interim to first available NAM wireless slot. (Today it is Jan 2024)
			1. Per 802 Op Manual section 5, we can have electronic meetings in between Plenaries, but such meetings do not count for participation credit.
			2. At this time 802.18 will just have our normal weekly Thursday calls, like we have been doing, stay tuned.
			3. Note: To have an interim is up to the WG or TAG. With that other groups may have a virtual interim, 802.15 will not have a formal interim. 802.11 will have an interim meeting, including officer elections for the task groups and other positions.
			4. And with that, the RR-TAG is able to conduct needed business as normal in our teleconferences.
		2. For November 2020 Plenary (Bangkok), the LMSC call on 07Jul20 (Tuesday) approved to cancel the venue for the Nov 2020 Plenary in Bangkok.
			1. A ballot just passed by LMSC/EC to approve to have the November Plenary electronic from Friday 30Oct20 to Friday 13Nov20.
			2. This will allow 802.18 to have our 2 Thursday meetings, like the July Plenary.
			3. Which will be the 05nov20 and 12nov20, **depending on coordinating with other WG/TAGs, such as 802.19, 802.24, etc.**
			4. As RR-TAG has done in plenaries, it will take attending both for attendance credit.
1. Chair presents slides 10 & 11, **EU items to share**
	1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next call, meeting #107, 24Sep-02Oct20**
		1. Call on Wednesday was on the 6 GHz draft & adaptivity and liaisons from other groups.
		2. A liaison on media access was not accepted as not complete, however in the past it would have been fine to work off of. Seems some of the members are taking a different approach on what liaisons should include now, which some think is different from before.
		3. Some notes about that are on the BRAN email reflector.
	2. **ETSI - ERM -** [**<TG-11>**](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next calls, SRDoc #13 – 26Aug20, #14-09sep20**
		1. Note was sent to 802.15.4 about the SRDoc is looking for 802.15 input.
		2. .15 did review and ID’d which PHYs use the 2.4 GHz band, see [<18-20-0115>](https://mentor.ieee.org/802.18/dcn/20/18-20-0115-00-0000-802-15-4-2-4ghz-phy-summary.docx)
		3. Need contribution 7 days before which does not allow IEEE 802 to approve one.
		4. Suggestion made the .15 chair could send email to TG11 chair; we are working on contributions and we need process time to get to TG11.
		5. It was also noted process and format for a contribution is not or may not be clear as it has not been done by some involved on this.
		6. Also, how to get the ERM draft document to work on it, and sample contributions, is not accessible to many folks. A member sending out links to those looking into this.
		7. The doc on the ERM site: DTR/**ERM-590 (TR 103 665)**
	3. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call, meeting #12-05-07Oct20**
		1. nothing to share today.
2. Chair presents slide 12, **APAC and other regions, items to share**
	* 1. (Other regions outside EU and NAM)
	1. Consultation from Kingdom of Saudi Arabia spectrum outlook:
		1. <https://www.citc.gov.sa/en/new/publicConsultation/Documents/Spectrum_Innovation_E.PDF>
		2. September 27 is the deadline
		3. Do we want to review and possibly comment, the deadline will allow?
	2. Some possible points to look at further:
		1. Figure 13 is proposed spectrum to comment on, they do have the 6 GHz band.
		2. mmWave 66-71 GHz, should they allow un-licensed?
			1. See section 8.9 on some details.
			2. And see section 11.20 on questions on this.
		3. Much in the consultation is on IMT to work around.
	3. The consultation is now on Mentor for review, see:
	4. <https://mentor.ieee.org/802.18/dcn/20/18-20-0116-00-0000-citc-saudi-arabia-five-year-outlook-on-spectrum-to-2024.pdf>
3. Chair presents slides 13 & 14, **ITU-R items to share**
	1. It was shared now real meetings of ITU-R before November.
	2. WRC-23 agenda items, the list is on the ITU-R website at:
		1. <https://www.itu.int/en/ITU-R/study-groups/rcpm/Pages/wrc-23-studies.aspx>
			1. There are updated documents recently, over the past week or so.
		2. <https://www.itu.int/dms_pub/itu-r/oth/0c/0a/R0C0A00000D0041PDFE.pdf>
		3. On Mentor:
		4. <https://mentor.ieee.org/802.18/dcn/20/18-20-0107-00-0000-res-811-wrc-19-wrc-23-agenda-items.docx>
	3. With Mentor Doc. 18-20/0107, we will over time identify the Agenda Items of interest to IEEE 802, to form some viewpoints.
	4. Note: will fill in at end of calls with working through the list.
	5. Anything new to share on the M.1450/M.1801 contributions?
		1. Anything new to share on the M.1450/M.1801 contributions?
		2. 802.11 is reviewing for any updates to the contributions for November. Likely will be some, now with a better understanding what ITU-R is looking for.
		3. 30July: Will go into monitor mode the next weeks.
4. Chair presents slides 15 -16, **FCC R&O and FNPRM 6GHz**
	1. The Report and Order authorizes two different types of unlicensed operations: standard-power in 850-megahertz of the band and indoor low-power operations over the full 1,200-megahertz available in the 6 GHz band.
	2. **Proceeding:** [**https://www.fcc.gov/ecfs/search/filings?proceedings\_name=18-295&sort=date\_disseminated,DESC**](https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC)
	3. **R&O became effective 27July20,**
		1. <https://www.federalregister.gov/documents/2020/05/26/2020-11236/unlicensed-use-of-the-6-ghz-band?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email>
		2. The FCC Lab is working on KDB, with report in effect now. Base line LPI mode and clients.
	4. APCO, AT&T and EEI have filed for a Stay, see 18-295 proceeding link above for more.
		1. Now it is 6 filings and they will go to First Circuit Court of appeals.
		2.
	5. Petitions for review have been filed. New deadline is 27 August 2020.
		* + 1. Several new analyses have been sent to FCC and they are reviewing.
		1. The studies will take some effort
	6. 6 GHz is penciled into the November 2020 open commission meeting, 5.9 GHz is in the October open meeting
	7. **FCC R&O 6 GHz – MSG**
		1. **There is One - Multi-stake holder group (MSG) to discuss 6 GHz and what happens in the band.**
			1. WInn Forum and WFA are the initial organizations.
			2. Around 20 other organization and members of other organizations came together at the launch on the 31st (1300-1700 et) (127 were registered a week before call).
		2. Some feedback from the call:
			1. Plan to make a plan as expected.
			2. Worked on scope which had a notable discussion, rules to move forward, etc.
			3. There were new users and incumbents to the band present.
			4. AFC brought out some discussion.
			5. Seemed to have missed some of the point of how all can use the band together.
			6. Minutes are not out yet,
				1. Work stream 1 - interference protection and resolution
				2. Work stream 2 - correct incumbent data (ULS)
				3. Work stream 3 - AFC and how it provides protection, etc.
				4. Sounds like a question was asked, what is an incumbent to do?
				5. It was noted, nothing on contentious based protocol.
		3. The next meeting with more technical detail is 11Sep20, the first real meeting.
5. Chair presents slides 17, **General discussion items**
	1. The FCC NPRM 70/80/90 GHz comments were uploaded to the FCC Tuesday morning, 04Aug20.
	2. U.S. President Trump on Monday withdrew the nomination of Commissioner Michael O’Rielly to serve another term as a member of the FCC, an abrupt move after Senate committee voted in favor of the appointment last month.
		1. O’Reilly has been in IEEE 802’s corner on many issues. So far, no replacement has been offered. Many are worried about interference into the workings of the FCC by the Trump administration, and the integrity of its independence.
6. Chair presents slide 18, Actions required
	* **802.15 request from ETSI ERM TG11 for inputs to 2.4GHz SRDoc.**
	* **All - Saudi Arabia consultation, inputs on points to comment on.**
7. Chair presents slide19 Any Other Business
	1. APT – new date for first WRC-23 APT Conference Preparatory Group meeting, APG23-1, is now 24-25 Sept, to setup for working on the agenda items. Need to register by 10Sep20 if want to attend. It is now a virtual meeting.
8. Chair presents slide 20, Adjourn
	1. **Next weekly teleconference (scheduled to 07Jan21): 13 Aug 20–*15:00–<15:55* ET**
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-16-0000-teleconference-call-in-info.pptx> (*or latest)* ***(new – weekly call in starts 30july20)***
			1. Or back up slide in the agenda.
		2. All late changes/cancellations will be sent out to the 802.18 list server.
	2. **Overall IEEE 802 schedule:** [**http://ieee802.org/802tele\_calendar.html**](http://ieee802.org/802tele_calendar.html)
		1. or only 802.18: [IEEE 802.18 TAG Calendar](https://calendar.google.com/calendar/embed?src=c2gedttabtbj4bps23j4847004%40group.calendar.google.com&ctz=America%2FNew_York)
	3. ***Note: there will likely not be a teleconference on 27Aug20, tbd.***
	4. Adjourn:
		1. Any objection to Adjourn.
		2. None heard, Adjourn at 15:53et
	5. **The next face to face meeting is tbd.**
	6. **The next plenary will be electronic from 30Oct20 to 13Nov20.**
	7. **Thank You**

Voters:

Au Edward Huawei

Auluck Vijay Self

Ecclesine Peter Cisco Systems, Inc.

Fang Yonggang ZTE TX Inc

Holcomb Jay Itron Inc.

Kain Carl Noblis, Inc.

Kenney John TOYOTA InfoTechnology Center U.S.A.

Kerry Stuart OK‐Brit, Self

Levy Joseph InterDigital

Lynch Michael MJ Lynch & Associates, LLC.

Nikolich Paul Various

Rolfe Benjamin Blind Creek Associates

Yaghoobi Hassan Intel Corporation

Non-Voting:

Goldberg Jonathan IEEE

Hamilton Mark Ruckus/CommScope

Petrick Al InterDigital (Jones-Petrick and Associates, LLC.)

Ward Lisa Rohde & Schwarz

Yucek Tevfik Qualcomm