IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 03Sep20 |
| 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, 03Sep20

Chair calls the meeting to order at 15:04 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0122r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, 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 & next meetings
	4. Discussion items
		1. EU Items
		2. Other regions Items
		3. ITU-R Items
		4. FCC R&O and more on 6 GHz
		5. General Discussion Items
	5. Actions required
		1. Saudi Arabia consultation
		2. WRC-19 carry over AIs.
		3. 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: Hassan Yaghoobi (Intel))

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 20 August 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0120-00-0000-minutes-20aug20-rrtag-teleconference.docx> 21-Aug-2020 11:46:46 ET, with editorial privilege for the 802.18 chair.

Moved by: Edward Au (Huawei)

Seconded by: Ben Rolfe (Blind Creek)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward -**
		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)
		2. At this time 802.18 will just have our normal weekly Thursday calls, like we have been doing, stay tuned, with no overall participation credit per op manual.
		3. With that, the RR-TAG is able to conduct needed business as normal in our teleconferences.
		4. 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,
		1. Do have a protentional conflict with 802.19 the second Thursday in the 2nd hour.
		2. What if we started the 2-hour plenary call 1 hour earlier, so both Thursdays’s are 2:00-4:00et? There are conflicts an hour early, also.
		3. What about keeping to 1 hour, both calls? Agenda is not known till we get closer, what if we need more time?
		4. **Or 2hr 1st week & 1hr 2nd week? 🡸 This will be the plan.**
		5. 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. Updated document, from meeting #106 on adaptivity in 6 GHz, was updated with more signatures, with ED of -72dBm/20MHz and no preamble detection.
		2. Document: BRAN(20)106f003r1 - Joint Contribution on 6 GHz Channel Access Mechanism
		3. Discussion continues at 5 GHz to do the same, with some text for framed base equipment
		4. 60GHz, packet-based solution being replaced with higher power longer range (several kms) discussion continues.

* 1. **ETSI - ERM -** [**<TG-11>**](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next calls, SRDoc #14, 09sep20**
		1. Had a meeting recently and the draft SRDoc is in place now.
		2. Looking for a new chair for TG-11, current chair steps down end of September
		3. Call for nominations will be next. Watch the reflectors. (Discussions on if at ERM level or at TG level?
		4. The doc on the ERM site: DTR/**ERM-590 (TR 103 665) – revision 02\_\_**
	2. **CEPT – ECC** [**<SE45>**](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next calls: #12, 27-28Aug and 21-23Sep20**
		1. Any update from call last week? Yes, quite interesting.
		2. 4 of 6 documents were on Comm Based Train Control should not block out EU above 5925 MHz. Discussions included what other countries are doing.
		3. Administrations to work this out by 09 Sept. (Still has to go to WGSE then WGFM….)
	3. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call, meeting #12, 05-07Oct20**
		1. Draft CEPT report 75 (Report B) and ECC Decision (20)01 (rules of lower 6 GHz band), comments/public consultation due 04 Sept. 20
		2. From 20Aug: Many contributions are expected for the October call.
		3. Hearing some concern if there will be enough discussion time for all the contributions.
1. Chair presents slides 12-14, **Other regions (outside EU and USA), items to share**
	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; IEEE 802.18 we need to approve by 10Sept.
		3. <https://mentor.ieee.org/802.18/dcn/20/18-20-0116-00-0000-citc-saudi-arabia-five-year-outlook-on-spectrum-to-2024.pdf>
		4. Do we want to review and possibly comment, the deadline will allow?
		5. 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.
			4. No contributions so far. Need a final version to vote on next week, 10Sep20.
			5. 59-64GHz not allocated to any licensed users now.
	2. **UAE consultation on UWB, ITS (5.9 GHz), and short range device**
		1. UAE TRA ( United Arab Emirates  Telecommunications Regulatory Authority) has begun a public consultation on revised technical conditions and/or spectrum allocations for UWB, 5.9 GHz, and short range devices.
		2. For details, [https://www.tra.gov.ae/en/eparticipation/consultations/details.aspx?id=1630](https://urldefense.com/v3/__https%3A/www.tra.gov.ae/en/eparticipation/consultations/details.aspx?id=1630__;!!F7jv3iA!g5bQbxEC3rDqw3MrkwuNPhtwbU_DYwJWdeQChYTzL_ZZEUjv0SZshMAentEDT4mv5Q$)
		3. Or <https://mentor.ieee.org/802.18/dcn/20/18-20-0121-00-0000-uae-tra-uwb-and-srd-regulations-consultation.docx>
		4. September 17, 2020 is the deadline. IEEE 802.18 needs to approve by 03Sept20.
		5. 1.1.6 – UWB & SRD - okay to add unmanned aircraft radio systems (UAS)
		6. 2.1.19 – 802.11 in general, not specific amendments
		7. 2.1.xx ITS; and 5855-5925MHz add ITS to M.2121
		8. 870-875.8 and 5795-5815 MHz - delete transport and traffic telematics
		9. 76-81 GHz remove railway, radar and more.
		10. Question 5 on RLAN/WLAN and recent IEEE 802.11 developments.
		11. 4.2 – Generic UWB shall comply with EN 302 065
		12. Sounds like they are open to additional recommendations beyond their specific points in the questions.
		13. No contributions were seen, **we will pass considering due date.**
	3. **Korea MIST has begun a consultation to propose revising the footnote K125B in allowing UWB communications from 3.735 to 4.8 GHz and 6.0 to 10.2 GHz to 4.2 - 4.8 GHz and 6.0 - 10.2 GHz.**
		1. For details, please refer to: <http://english.msip.go.kr/web/msipContents/contentsView.do?cateId=_law4&artId=3001321>
		2. The comment submission deadline is September 30, 2020. (.18 by 17Sept., 2 weeks left)
		3. 3.7 – 4.2 GHz for 5G is why UWB is being reduced.
	4. **FYI - Sri Lanka Regulator – Telecommunications Regulatory Commission (TRC) –** is working on updating / including some new frequency ranges for low-power devices in the National Spectrum Allocation Table.
		1. Some of the updates already implemented include the addition of the following:

Application Frequency Band (MHz) E.I.R.P. (mW)

Max. Working Range (m) Usage

Ultra-Wide Band (UWB) 6000.0 - 8500.0 (6-8.5GHz) 200 100

Short Range Radar 24050.0 - 24250.0 (24.05-24.25GHz) 200 100

For passenger cars & trucks

RFID 865 - 868 200 100

1. Chair presents slides 15, **ITU-R items to share**
	1. WP 1A next meeting is: [Tuesday 2020-11-24 - Wednesday 2020-12-02](https://www.itu.int/events/eventdetails.asp?eventid=17584); Place: **Switzerland [Geneva]**
		1. For WP 1A contribution on SM-2352, chair to confirm with Author next steps and timing. Do we pull out to review and approve it for the LMSC(EC) and WP 1A?
	2. ATU – (Africa) had first preparatory meeting, setting up task groups/committees, leadership and how to work on WRC-23 AIs.
	3. APT – first preparatory meeting is 24-25 Sept, registration by 10 Sept., contributions 17 Sept. Then much like ATU’s meeting setting up groups, leaderships, etc.
		1. Note: APT website, they list related organizations, and IEEE 802 was not there. (our contributions we sent were not listed?)
	4. 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> (updated 26Aug20)
			2. <https://www.itu.int/dms_pub/itu-r/oth/0c/0a/R0C0A00000D0041PDFE.pdf>
		1. On Mentor:
		2. <https://mentor.ieee.org/802.18/dcn/20/18-20-0107-00-0000-res-811-wrc-19-wrc-23-agenda-items.docx>
	5. With Mentor Doc. 18-20/0107, we will over time identify the Agenda Items of interest to IEEE 802, to form some viewpoints.
	6. **Note: will fill in at end of calls with working through the list.**
	7. Learned some WRC-19 items are being carried over to WRC-23, we should review those also.
		1. 1.11, **1.12 (ITS-5.9GHz),** 1.13 from WRC-19 were not acted upon and should be brought forward.
2. Chair presents slides 16-17, **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 published the draft KDB, 14 August 2020
			1. <https://apps.fcc.gov/eas/comments/GetPublishedDocument.html?id=455&tn=713821>
			2. Title: U-NII 6 GHz devices operating in the 5.925-7.125 GHz band; Short Title: U-NII 6 GHz
			3. Reason: Guidance for Certification 15, Subpart E
			4. Addendum is out with 4 changes from the 14 Aug version.
			5. More changes should be coming; we need to monitor.
			6. FCC KDB on 6GHz, the Chair (and others) should look for the addendum(s).
			7. <https://apps.fcc.gov/eas/comments/GetPublishedDocument.html?id=456&tn=673286>
		3. For the 8 filings, Petitions for review/reconsideration they are in the First Circuit Court of appeals. Deadline to join this is 27 August 20.
			1. This will take some time.
	4. **FCC R&O 6 GHz – MSG**
		1. **The 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, with around 20 others.
		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, 11Sep20,** will be technical detail, the first real meeting.
		4. The MSG site is not public but open to any interested party that wants to join in, *you do have to register and apply.* Renamed to the “6GHz M.S. Committee”
		5. [https://www.wirelessinnovation.org/6ghz-multistakeholder-committee](https://urldefense.com/v3/__https%3A/www.wirelessinnovation.org/6ghz-multistakeholder-committee__;!!F7jv3iA!miq8gKDh5u9EeBEqnJQ0xEKNYPoCPGlGj45FX_qjQNRwSaW1Br7N6myjjcdbTNciew$)
		6. New doc today (03 Sept 20) with the agenda/presentation for next week.
		7. Lots of work behind the scenes and prepping for the call next week.
3. Chair presents slides 18, **General discussion items**
	1. **Proposed Rule- Updating the Commission's Ex Parte Rules**
		1. **FR Document:** [**2020-17266**](https://urldefense.com/v3/__https%3A/www.federalregister.gov/documents/2020/09/02/2020-17266/updating-the-commissions-ex-parte-rules?utm_medium=email&utm_campaign=subscription*mailing*list&utm_source=federalregister.gov__;Kys!!F7jv3iA!joBhQgMlj-BDeVj-Dd_EFoSiYy4LVGi9vD-Reif_zJse7_K5XLICA9P5yMdYzITS-Q$) **Citation: 85 FR 54523**
		2. [**PDF**](https://urldefense.com/v3/__https%3A/www.govinfo.gov/content/pkg/FR-2020-09-02/pdf/2020-17266.pdf?utm_campaign=subscription*mailing*list&utm_source=federalregister.gov&utm_medium=email__;Kys!!F7jv3iA!joBhQgMlj-BDeVj-Dd_EFoSiYy4LVGi9vD-Reif_zJse7_K5XLICA9P5yMd_mFj84Q$) **Pages 54523-54528 *(6 pages)*** [**Permalink**](https://urldefense.com/v3/__https%3A/www.federalregister.gov/d/2020-17266?utm_campaign=subscription*mailing*list&utm_source=federalregister.gov&utm_medium=email__;Kys!!F7jv3iA!joBhQgMlj-BDeVj-Dd_EFoSiYy4LVGi9vD-Reif_zJse7_K5XLICA9P5yMfgYadkWQ$)
		3. Abstract: In this document, the Commission begins a new proceeding to consider several updates to the Commission's ex parte rules. First, the Commission seeks comment on a proposal to exempt from its ex parte rules, in certain proceedings, government-to-government consultations between the Commission and federally recognized Tribal Nations. Second, the Commission seeks comment on a proposal to extend the exemption to its ex parte rules for communications with certain program administrators, such as the...
		4. DATES: Comments due on or before October 2, 2020; reply comments due on or before November 2, 2020.
		5. 1 of the 3 seek comments is timing of ex partes before the sunshine period (1-week quiet period before FCC commissioners monthly open meeting).
	2. **New FCC Public Notice on E911/WiFi.**
		1. Chair (and others) look for Public Notice (soon to be out (today)) on E911 for WiFi devices.
4. Chair presents slide 19, Actions required
* All - Saudi Arabia consultation, comments to review, to submit.
* For WP 1A contribution on SM-2352, chair to confirm with Author next steps and timing.
* Find and ID WRC-19 AIs carried over to WRC-23 we have interest in.
* FCC KDB on 6GHz, the Chair **(and others) should l**ook for the addendum(s).
* Chair (and others) look for Public Notice (soon to be out (today)) on E911 for WiFi devices.
1. Chair presents slide 20 Any Other Business
	1. none heard
2. Chair presents slide 21, Adjourn
	1. **Next weekly teleconference (scheduled to 07Jan21): 10 Sep 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. Adjourn:
		1. Any objection to Adjourn.
		2. None heard, Adjourn at 15:52et
	4. **The next face to face meeting is tbd.**
	5. **The next plenary will be electronic from 30Oct20 to 13Nov20.**
	6. **Thank You**

Voters:

Au Edward Huawei

Ecclesine Peter Cisco Systems, Inc.

Fang Yonggang ZTE TX Inc

Holcomb Jay Itron Inc.

Kenney John TOYOTA InfoTechnology Center U.S.A.

Kerry Stuart OK‐Brit, Self

Levy Joseph InterDigital

Rolfe Benjamin Blind Creek Associates

Yaghoobi Hassan Intel Corporation

Non Voting Attendees

Goldberg Jonathan IEEE

Hamilton Mark Ruckus/CommScope

Madhavan Narendar Ericsson

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