IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 18feb21 |
| Name | Affiliation | Address | Phone | Email |
|  |  |  |  |  |
| Author and Officer presiding:  |
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Abstract

Minutes of the IEEE 802 RR-TAG weekly teleconference

These are the Minutes of the IEEE 802 RR-TAG weekly teleconference, Thursday, 18feb21

Chair calls the meeting to order at 15:02 et.

1. Chair presents slides 2 – 6 of 802.18-21/0016r01, 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.
		1. Remember to mute when not speaking, thanks.
		2. Please request Q in the chat window.
	2. Administrative items
		1. Someone to take some notes, Peter E.
		2. Attendance & monitor chat window, Stuart K
	3. Approve agenda, last minutes and announcements.
	4. Discussion items
		1. EU Items
		2. Other Regions Items
		3. ITU-R Items
		4. MSGs on 6 GHz (& FCC)
		5. Table of Frequency Bands
		6. General Discussion Items
	5. Actions required.
		1. Set up WRC-23 AIs ad hoc
		2. 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 11 February 2021 in document <https://mentor.ieee.org/802.18/dcn/21/18-21-0013-00-0000-minutes-11feb21-rrtag-teleconference.docx> 12-Feb-2021 08:54:13 ET , with editorial privilege for the 802.18 chair..

Moved by: Stephen Palm (Broadcom Corp)

Seconded by: Vijay Auluck (self)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward**
		1. For **March 2021,** the EC on 01Dec20 **approved to cancel the in-person part** of the March 2021 Plenary originally at Hyatt Denver and to hold an electronic session for the plenary. The EC is taking up the rule exceptions needed.
			1. **EC has updated times from 05Mar21 (Friday) to 18Mar21 (Thursday) 19Mar21**
			2. 802.18’s meetings will be Thursday 11Mar21 and **Wednesday 17Mar21**, 1500-1600 et.
				1. Learned no conflict with .24 for the 17th call. So no known conflicts.
			3. 11th will be normal call-in; call-in for 17th  is in backup slides here.
			4. Being a plenary, it will take attending both calls for participation/voting member credit.
			5. IMAT is setup with the other WGs and TAGs like a normal plenary.
		2. For **May 2021** at the Hilton in Panama City, Panama, the WCSC on 03Feb21 **approved to cancel the in-person 802W interim**. This leaves the WGs and TAGs to hold interims as they wish.
			1. Note: Working to move the Hilton in Panama to January 2022 Wireless Interim and then moving out the Hotel Irvine to a later date that was planned for January 2022. (Hotel Irvine has indicated they will probably not be ready to open in January 2022.)
		3. Nominations for 2 RR-TAG Vice-Chair open until 03 Mar 21, see email, and 11feb21 agenda and minutes for more.
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 #109, 05-12Mar21**
		1. At this point another ad hoc is not likely before #109.
	2. **CEPT – ECC** [**<SE21>**](https://cept.org/ecc/groups/ecc/wg-se/se-21/client/introduction/)  **next meeting #112, 24-26Feb21**
		1. Next week (25th): SE21 has established a correspondence group for receiver resilience requirements.
			1. ERM explicitly includes 2.4 GHz, implicitly it covers all license-exempt.
	3. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next call/meeting #13, 01-02Jun21** (13:30-18:30 CEST)
		1. nothing to share
	4. **CEPT – ECC** [**<WGFM>**](https://cept.org/ecc/groups/ecc/wg-fm/client/introduction/) **#98 is this week; next meeting #99, 24-28May21**
		1. Item 5.5 in draft minutes is affirmation on 5 GHz decision (04)08 pushed up here from FM57. There are also inputs on 5.8 GHz.
		2. #1-Final minutes will be out shortly. There are notes on conflicts that is being pushed up to the ECC
		3. #2- ERM doc came out on receive performance. This is fundamental and affects all bands (including shared bands) and affects many industries.
		4. Next week: more on outcome for #98.
	5. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call #14 now 19-22Apr21**
		1. nothing to share
2. Chair presents slides 12, **Other regions (outside EU-Stds and USA), items to share**
	1. nothing to share
3. Chair presents slide 13, **ITU-R items to share**
	1. M.1450 and M.1801 submissions are in LMSC (EC) ballot.
	2. FYI: 802.15 THz SC will be bringing a submission soon for a Liaison statement from ITU-R WP 5A to external organizations - Use of the 252-296 GHz frequency range by land-mobile service applications, <https://mentor.ieee.org/802.15/dcn/21/15-21-0002-00-0thz-liaison-statement-from-itu-r-wp5a.docx>
	3. WRC-23 agenda items
		1. Will try a small focused ad hoc, 3 folks stepped up
		2. Chair to call a focused ad hoc call on putting together IEEE 802 viewpoints on WRC-23 agenda items of interests to IEEE 802. (sent some options to the volunteers)
		3. Need to start up document with 4 + 3 WRC-23 agenda items IEEE 802 should consider viewpoints on.
			1. Do have a start on this power point.
		4. Updated WRC-23 Agenda Item list: [https://mentor.ieee.org/802.18/dcn/20/18-20-0107-01-0000-res-811-wrc-19-wrc-23-agenda-items.docx](https://mentor.ieee.org/802.18/dcn/20/18-20-0107-00-0000-res-811-wrc-19-wrc-23-agenda-items.docx)
		5. Btw- initial AIs to consider IEEE 802 viewpoints:
			1. 1.1 800-4 990 MHz and Resolution 223. Connection w/ITS going there?
			2. 1.2 300-3 400MHz, 3 600-3 800MHz, 6 425-7 025MHz, 7 025-7 125MHz and 10.0-10.5GHz for International Mobile Telecommunications (IMT) and resolution 245.
			3. 1.5 470-960 MHz in Region 1-consider possible regulatory actions, Resolution **235.**
			4. 10recommend to the Council items for inclusion in the agenda for the next WRC,
4. Chair presents slide 14, **MSG 6 GHz (& FCC)**
	* 1. **Multi-stake holder groups on 6 GHz and what happens in the band.**
		2. **1. The Winnforum “6 GHz M.S. Committee”, every 2 weeks (met wk of 08Feb)**
			+ 1. <https>[://www.wirelessinnovation.org/6ghz-multistakeholder-committee](https://www.wirelessinnovation.org/6ghz-multistakeholder-committee)
			1. WS1 – is where there is more activity than the other WSs, WS1 meets every week.
			2. WS2 – did a report to FCC on ULS cleanup and will go into the FCC ex parte record.
			3. WG – AFC, working on a document to send to another MSGroup in another organization.
			4. Anything to share?
				1. Took a decision to start a test and certification work group, with a proposal of self-certification.
				2. AFC is now a work group
				3. For access to documents from the committee, can request to be an observer from the MSG below.
		3. **2. From the FCC R&O, an informal MSG (“Group”) has also been formed.**
			+ 1. <https://groups.wirelessinnovation.org/wg/6MSG/dashboard>.
			1. Work stream 1 - interference protection and resolution (CableLabs, EPRI, Lake Cty, APCO) Meets biweekly, from 28Jan21 at 10:00 et,
			2. Work stream 2 - correct incumbent data (ULS) (Comsearch, APCO)
			3. Work stream 3 - AFC and how it provides protection, etc. (Charter, Google, UTC)
			4. Overall Co-chairs: NPSTC, UTC, WFA, WISPA. Next overall meeting – 26Feb21
			5. Anything to share? This MSG is more watching other efforts and sharing with this group.
5. Chair presents slide 15, **Table of Frequency Bands – IEEE 802 Stds**
	1. **Problem statement**
		1. It is difficult for 802 wireless standards developers to quickly and accurately identify all the frequency bands by the family of 802 wireless standards in a regularly maintained database.
		2. The primary application is to simplify identification of potential frequency bands for coexistence assessment.
	2. **Initial Audiences:**
		1. 1) 802 wireless standards developers
		2. 2) 802.19 wireless coexistence working group
	3. **Has reviewed the .15**  <https://mentor.ieee.org/802.18/dcn/21/18-21-0005-00-0000-freq-table-802-15-work.xlsx>
		1. Good discussion and will hide the num channel column (maybe something for later on). The use category column seems useful, but subjective.
		2. Action: 2 members to break workbook to 2 work sheets, again trying to keep simple,
	4. **Looked at .11 annex E but from -2016 version**, really need to get the -2020 version.
		1. The -2016 version has some focus on 3 specific regions (USA, EU, Japan) and a global section. Somehow, we need to come up to just frequency bands in the standard and remove the country specific (for now…)
	5. **The next meeting will be 23Feb21. (call-in is in backup slides here)**
6. Chair presents slide 16, **General discussion items**
	1. none today
7. Chair presents slide 17, **Actions required.**
* **Chair to call a focused ad hoc call on putting together IEEE 802 viewpoints on WRC-23 agenda items of interests to IEEE 802.**
1. Chair presents slide 18 Any Other Business
	1. none heard
2. Chair presents slide 19, Adjourn
	1. Next “weekly” teleconference (sched’d to 20may21): 25feb21–*15:00–<15:55* ET
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-17-0000-teleconference-call-in-info.pptx> (new call-in starting 14Jan21)
			1. Also, see back up slide in this 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>
		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 15:26et (20:26UTC)
	4. The next face to face meeting is tbd.
	5. The next IEEE 802 plenary will be electronic in March 2021.
	6. Thank You
3. Attendance

Voting members:

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| --- | --- | --- | --- |
| Auluck | Vijay | Self | x |
| Boldy | David | Broadcom Corporation | x |
| Ecclesine | Peter | Cisco Systems, Inc. | x |
| Holcomb | Jay | Itron Inc. | x |
| Kain | Carl | USDoT | x |
| Kerry | Stuart | OK‐Brit, Self | x |
| Levy | Joseph | InterDigital | x |
| Lynch | Michael | MJ Lynch & Associates, LLC. | x |
| Nikolich | Paul | Self, HPE, Huawei, Itron, octoScope, Wyebot, UNH BCoE, YAS BBV, Origin Wireless  | x |
| Palm | Stephen | Broadcom Corporation | x |
| Rolfe | Benjamin | Blind Creek Associates | x |
| Stanley | Dorothy | Hewlett Packard Enterprise | x |
| Yaghoobi | Hassan | Intel Corporation | x |
| Non Voting Attendees |   |   |
| Hamilton | Mark | Ruckus/CommScope | x |
| Petrick | Al | Skyworks (Jones-Petrick and Associates, LLC.) | x |
| Pirhonen | Riku | NXP Semicondustors | x |
| Yucek | Tevfik | Qualcomm | x |