IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes |
| Date: 19nov20 |
| 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, 19nov20

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

1. Chair presents slides 2 – 6 of 802.18-20/0150r01, 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 & monitor chat window, Stuart K
	3. Approve agenda, last minutes announcements
	4. Discussion items
		1. EU Items
		2. Other Regions Items
		3. ITU-R Items
		4. FCC 6 GHz
		5. FCC FNPRM 5.9 GHz
		6. General Discussion Items
	5. Actions required
		1. WRC-23 IEEE 802 viewpoints
		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 (OK-Brit/Self)

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 29 October 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0146-00-0000-minutes-29oct20-rrtag-teleconference.docx> 30-Oct-2020 11:09:27 ET, with editorial privilege for the 802.18 chair.

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

Seconded by: Vijay Auluck (Self)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Administrative moving forward**
		1. For **January** **2021** Wireless Interim (Irvine) the Wireless Chairs met 30Sep20 and have cancelled the face-to-face meeting in Irvine, CA. This leaves open for the WGs to decide on their own if they do an electronic Interim or not. The LMSC (EC) rules are being reviewed for possible participation credit.
		2. For **March 2021** there was a presentation from F2F on the EC 06Oct20 EC call of what all the Hyatt Denver is doing (w/450 guess on attendees) and from a SME on the international hotel industry. At this time the EC will take it up again in their Dec 2020 call, though could wait till Jan21 call, which seemed to be the lean.
			+ 1. EC discussing sending out a poll/survey, but timing will be critical with things changing daily yet.
		3. For **May 2021** at the Hilton in Panama City, Panama, the straw poll was to continue with the contract with clear cancellation policies. With that, the IEEE has new language on cancellation policies, considering the pandemic, so it is much clearer.
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 #108, 7-11Dec20**
		1. Many go-to meetings.
		2. For 6GHz, there are many contributions for the 20Nov20 (tonight) call and would like to see many of those make it into the standard.
		3. DEN/BRAN-230021 (EN 303 687) HS for 6 GHz RLANs – version 0.0.10 was approved as the first stable draft at ad-hoc last week, 09Nov20.
	2. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next call, on TR 103 665 resolution meeting, 24Nov20**
		1. ERMTG11(20)000066ReportMeeting minutes of G2M#15 on the 2.4 GHz SRDoc TR 103 665
		2. Chair has been confirmed, [D'Angelo Wilfrid](https://portal.etsi.org/webapp/teldir/ListPersDetails.asp?PersId=79919) of Intel Corp SAS.
	* **All paths are heading to be done before RSC (EC votes included) 10Dec20, with final decisions. This is to make standards in the OJEU in April 2021.**
	1. Nice summary from 802.11 on status in CEPT on 6GHz:
		1. <https://mentor.ieee.org/802.11/dcn/20/11-20-1755-00-coex-6ghz-update-cept.pptx>
		2. 802.11 Coex Agenda 11-20/1620 (latest) has many ETSI references
	2. Very informative: DSA slides are at: <http://dynamicspectrumalliance.org/wp-content/uploads/2020/11/5-Economic-and-Social-Impact-of-Unlicensed-Access-in-6-GHz-Band.pdf>
	3. **CEPT –** [**<ECC>**](https://cept.org/ecc/groups/ecc/client/introduction/) **(themselves) next call, #54 Plenary, 17-20Nov20,**
		1. ECC DEC (20)01 decision was approved. The decision is as it is today for ECC.
		2. Questionnaire out if the decision can be implemented by 18May21? Replies dues this week.
		3. List of counties with replies should show up in the ECC minutes.
		4. March is 2nd meeting of RSComm, with all the admins, and will make final decision.
2. Chair presents slides 12, **Other regions (outside EU-Stds and USA), items to share**
	1. Japan MIC has published the second edition of its frequency reorganization action plan based on the feedback it received from its recent consultation that is closed in early October.  It is available at: <https://www.soumu.go.jp/main_content/000716599.pdf>
		1. For this revision,
			1. - it plans to release 150 MHz spectrum in 5.3 GHz and 5.8 GHz for WLAN
			2. it also plans to proceed with technical studies, e.g., sharing conditions with other wireless systems in the 5925 - 7125 MHz band.
	2. UWB 7.5-8.4 GHz may be allowed outdoors with rules published in the next year.
	3. Will consider the future of ITS 5850-5925 MHz next year.
	4. Tolling is in the 5.8GHz band and looking at V2X in the 5.9GHz.
	5. DSRC term used for the tooling here, so watch the definition of DSRC in different countries
3. Chair presents slide 13 **ITU-R items to share**
	1. WP 5A call started last week with our 2 contributions.
		1. China and Russa opposing these contributions, asking for sharing studies first, before these updates.
		2. Recommendation by chair to remove 6GHz ranges and consider rest of the updates, several countries objected.
		3. In the end, no conclusion.
	2. WP 1A meets next week, 24Nov20, IEEE 802 contribution is there and should make the agenda, it is on THz communication.
	3. WRC-23 agenda items
		1. 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)
		2. Next-get a Viewpoint document started like one for WRC-19 AIs.
		3. Btw- initial AIs to consider IEEE 802 viewpoints:
			1. 1.1 4 800-4 990 MHz and Resolution 223. Connection w/ITS going there?
			2. 1.2 3 300-3 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. Then need to find more info on the following.
			1. 5 Report from the Radiocommunication Assembly, Nos. 135&136 of Convention.
			2. 6 items requiring urgent action by study groups in preparation for next WRC.
			3. 9 Report of Director of Radiocommunication Bureau, Article 7 of Convention.
	4. After IEEE 802 viewpoints in place then APT WRC-23 possible contribution on 6GHz and 7025-7125MHz, etc. by their next meeting in April ‘21
		1. Need to get IEEE 802 recognized by APT as an SDO for comments. 🡪 being worked
		2. Could we attend virtually, may have a better impact on our comments?
4. Chair presents slides 14, **FCC FNPRM 5.9 GHz**
	1. The draft R&O did come out (28Oct20) as predicted.
		1. Proceeding: <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
			1. With DoT [strong letter](https://ecfsapi.fcc.gov/file/1109637413744/2020.11.06%20DOT%20Letter%20to%20FCC%20Chairman%20re%20Comments%20on%20Safety%20Band%20Decision%20%28Signed%29.pdf) to the FCC and on the draft and FNPRM.
		2. November Agenda Item: <https://www.fcc.gov/document/modernizing-59-ghz-band-wi-fi-and-automotive-safety>
		3. The Draft R&O and FNPRM (117 pages) on Mentor:
			1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0144-01-0000-fcc-r-o-draft-revisiting-use-of-the-5-850-5-925-ghz-band.docx> 51 seek comments highlighter in rev01
	2. The Open Meeting approved R&O and FNPRM:
		1. **The Open Meeting approved R&O and FNPRM:**
		2. \_\_\_\_Not out yet\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
			1.
			2. FCC 20-164A1 is where the statements can be found on this, this should be live late Friday (20th).
			3. It was shared the effort is to make it easy for C-V2X to put up test areas.
			4. 802.11bd 5.9GHz still important in other countries
			5. The TG may look to broaden the amendment to pick up some in US.
	3. Earlier question: Is it worth it to re-iterate any points from our previous comments?
		1. E.g. is there anything in the FNPRM that the FCC ignored or took the wrong way?
	4. What about suggesting additional spectrum for DSRC - ITS?
		1. More caveats need to be considered here, plus and minus, so would need more discussion on how to present this. (it links to the FCC first seek comment).
		2. What about 60GHz, that 802.11bd has this? EU has this also. Mid-band is tougher.
5. Chair presents slide 15, **FCC 6 GHz**
	1. **Any news on 1st circuit court of appeals?**
		1. As reported, they denied motions to the stay and denied motions to expedite, so now there is basically no more clock to get to done. So now this extends to get it finished to months +.
	2. **FCC R&O 6 GHz – MSG**
		1. Any news on 1st circuit court of appeals?
			1. As reported, they denied motions to the stay and denied motions to expedite, so now there is basically no more clock to get to done. So now this extends to get it finished to months +.
		2. Multi-stake holder group (MSG) on 6GHz and what happens in the band.
			1. The MSG site is not public but open to any interested party that wants to join in, *you do have to register and apply.* Was renamed to the “6GHz M.S. Committee”.
			2. [https://www.wirelessinnovation.org/6ghz-multistakeholder-committee](https://urldefense.com/v3/__https%3A/www.wirelessinnovation.org/6ghz-multistakeholder-committee__;!!F7jv3iA!miq8gKDh5u9EeBEqnJQ0xEKNYPoCPGlGj45FX_qjQNRwSaW1Br7N6myjjcdbTNciew$)
			3. From original organization meeting:
				1. Work stream 1 - interference protection and resolution (CableLabs, EPRI, Lake Cty, APCO)

Including Outside/Field testing

* + - * 1. Work stream 2 - correct incumbent data (ULS) (Comsearch, APCO)
				2. Work stream 3 - AFC and how it provides protection, etc. (Charter, Google, UTC)
			1. Overall Co-chairs: NPSTC, UTC, WFA, WISPA
		1. Next MSG meeting – 20Nov20
1. Chair presents slides 16, **General discussion items – fyi**
	1. The IEEE 802 chair is asking about what it would take to create a table of all the frequency bands used but all of IEEE 802 standards.
		1. Just asking, no details yet, though would need help from each of the Working Groups, so will be an agenda item on the LMSC (EC) call on 01Dec20.
		2. Starting with US/NAM, do we need to expand to global in the end?
		3. Just because in the standard, is the band being used in the industry or not?
		4. This would help with CA docs and regulatory comments.
2. Chair presents slide 17, Actions required
	* All – what are points and topics for possible comments on FCC FNPRM on 5.9GHz?
	* Chair – start up document with 3 + 2 WRC-23 agenda items IEEE 802 should consider viewpoints on.
	* Work with APT so IEEE 802 is a recognized SDO for comments.
3. Chair presents slide 18 Any Other Business
	1. None heard
4. Chair presents slide 19, Adjourn
	1. **Next weekly teleconference (scheduled to 07Jan21): 03Dec 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 15:56et
	4. **The next face to face meeting is tbd.**
	5. **The next IEEE 802 plenary will be electronic from 30Oct20 to 13Nov20.**
	6. **Thank You**

Attendees

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| --- |
| Edward Au (Huawei) |
| Timothy Jeffries (Futurewei) |
| Joseph Levy (InterDigital) |
| Riku Pirhonen (NXP)(nv) |
| Vijay Auluck, Self |
| Hassan Yaghoobi (Intel) |
| David Boldy (Broadcom) |
| Michael Lync (MJLynch Assoc.) |
| Benjamin Rolfe (BCA) |
| Sebastian Schiessl (u-blox) |
| Narendar [Ericsson] (nv)) |
| Carl Kain (USDoT/Noblis) |
| Stuart Kerry - OK-Brit; Self |
| John Kenney (Toyota) |
| Jay Holcomb (Itron) |
| Peter Ecclesine (Cisco Systems) |