IEEE 802.18

Radio Regulatory-TAG

|  |
| --- |
| Radio Regulatory Technical Advisory Group Minutes |
| Date: 17 Oct 2019 |
| Name | Affiliation | Address | Phone | Email |
|  |
|  |
|  |  |  |  |  |
|  |
| 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, 17 Oct 2019

**Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **17oct** | **03oct** | **12sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** |
| Auluck | Vijay | Self Employed |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Harrington | Tim | Pro ID & UWB Alliance |  | **x** |  | **x** |  | **x** | **x** |  | **x** |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kenney | John | Toyota ITC |  |  |  | **x** | **x** | **x** | **x** | **x** |  |
| Kerry | Stuart | Ruckus/ |  | **x** | **x** | **x** |  | **x** | **x** | **x** |  |
| Lynch | Mike | MJLynch Assoc | **x** | **x** |  | **x** | **x** | **x** |  | **x** | **x** |
| Mody | Apurva | A10 Systems |  | **x** | **x** |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  | **x** |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** |
| Scott | Andy | NCTA |  |  |  |  |  | **x** | **x** |  | **x** |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  | **x** |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** | **x** | **x** |  | **x** |  | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** |
| **17oct** | **03oct** | **12sep** | **05sep** | **29aug** | **22aug** | **15aug** | **08aug** | **01aug** |
| Au | Edward | Huawei |  |  |  | **x** | **x** |  |  | **x** | early |
| Caldwell | Winston | Fox |  |  |  |  |  |  |  |  |  |
| Levy | Joseph | Interdigital | **x** | **x** |  | **x** | **x** |  |  | **x** | **x** |
| Sherlock | Ian | TI |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

Chair calls the meeting to order at 15:05 ET.

1. Chair presents slides 2, 3, and 4 of 802.18-19/0135r01, the call to order and administrative items
	1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0135r01, the agenda:
	1. Call to Order
	2. Administrative items
		1. Someone to take some notes: Peter Ecclesine (Cisco), thanks!
	3. Approve agenda & last minutes
	4. Discussion items
		1. EU Items
		2. ITU-R Items
		3. Vietnam Digital Consultation
		4. General Discussion Items
	5. Actions required
		1. Anything new today
	6. AOB and Adjourn
3. Chair presents slide 6, Administrative – Motions and more
	1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Hassan Yaghoobi (Intel)

Seconded by: Peter Ecclesine (Cisco)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 03 Oct 2019 in document <https://mentor.ieee.org/802.18/dcn/19/18-19-0132-00-0000-minutes-03oct19-rrtag-teleconference.docx> Posted: 06-Oct-2019 09:19:49 ET

Moved by: Hassan Yaghoobi (Intel)

Seconded by: Jay Holcomb (Itron)

Discussion? None

Vote: Approved by unanimous consent

* 1. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help?** no response
1. Chair presents slides 7-8, EU items to share
	1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meetings #103/#104, 07-10Oct19/02-05dec19-Sophia Antipolis**
		1. Guido Hiertz is the new chair. 77-77 participant/entity, 2300-1300 weighted. Took 2nd vote by weighted majority.
		2. What else from meeting #103?
		3. Spectrum mask of a punctured channel, no final solution and liaison back to IEEE 802 and 3GPP.
		4. First draft of EN for 6 GHz, discussed, actions noted and is available. 250 mW indoor only, and 25 mW anywhere. Will need to watch what speed this proceeds.
		5. 5 GHz standard still in revision.
	2. **CEPT – ECC** [**<SE45>**](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #89 09-11 Dec 19, ECO Copenhagen**
		1. 21Oct was a SE19 (fixed wireless) call.
		2. Was not able to provide input on short term interference criteria to SE45 at #104.
		3. Web meetings scheduled, 1st was 08oct.
		4. Industry gave ranges for portable devices, very short /very low power, 25mW.
		5. More web meeting coming, watch their site.
	3. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #9, tbd, Czech Republic**
		1. Meeting #9 is with SE45 also, working out logistics.
		2. There is a first draft of the EC decision (used by BRAN).
2. Chair presents slides 9, ITU-R items to share
	1. Additional information on the ITU-R Working Party 5D Workshop on IMT-2020 Terrestrial Radio Interfaces Evaluation are now available on:

[**https://www.itu.int/oth/R0A06000080/en**](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.itu.int_oth_R0A06000080_en&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=T9Uqha58uAlhH85QkX-emolu8_7ro4VZn59AJZ4pcLQ&s=nk5jbvnqA4fC0rKacRAfIQTyLJ61Bkz8SBKBlOACNQM&e=)**.**

1. Chair presents slide 10, Vietnam Digital Consultation:
	1. Vietnam MIC seeks comments from the public on the compulsory standards applied on digital signatures and digital signature authentication services on mobile devices. Please refer to the following URL for more information:
		1. <http://mic.gov.vn/Pages/DuThaoVanBan/XemYKienDongGop.aspx?iDDTVB_DuThaoVanBan=1947&replyUrl=/pages/duthaovanban/danhsachduthaovanban.aspx>
	2. The comment submission deadline is November 5, 2019
		1. (should approve today, 17 oct.)
	3. See, a translation on parts of the consultation that summarizes the list of required standards applying digital signature and digital certification services on mobile services
		1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0134-00-0000-vietnam-mic-digital-signatures-mobile-devices-consultation-stds.docx>
	4. We will pass.
2. Chair presents slides 11-15, General discussion items
	1. **ISED RSP: 100 Certification of Radio Apparatus and Broadcasting Equipment**
		* 1. Many updates on equipment certification.
	2. **ISED: Notice 2019-DRS001 Regarding Radio Frequency Exposure Compliance**
		1. IEC 69909-2 AMD1:2019 for RF Exposure Compliance, mandatory 01 Mar 20
	3. **ISED: New version of RSS-123, Issue 4**
		1. Certification of licensed wireless microphones in specific bands, e.g. 6930-6955 and 7100-7125MHz.
	4. **Vietnam: Guidance for implementation of Circular 05/2019/TT-BTTTT**
		1. MIC has released official guidance Document 2902/BTTTT-KHCN, much on ISO/ IEC 17025 accredited labs needed for specific products.
	5. **Does anyone want to look more into any of these? All are good.**
	6. Fyi - **Indonesia: Changes for Short Range Devices**
		1. **Indonesia: Changes for Short Range Devices**
		2. New regulation, PERDIRJEN NOMOR 161 TAHUN 2019) that covers requirements for Short Range Devices consisting of the following categories:
		3. (a) Bluetooth
		4. (b) Telecommunication device with transmit power less than 10 mW (commonly called low power device)
		5. (c) RFID
		6. (d) NFC
		7. (e) IEEE 802.15.4 based WPAN
			1. [2] Technical characteristics and conformance requirement of IEEE 802.15.4 based WPAN is shown in page 14.
		8. (f) Intelligent transport system
		9. (g) Other SRD telecommunication equipment
			1. [3] It does not explicitly mention WLAN but it would be parts of
			2. "Other SRD telecommunication equipment" operating at the frequency
			3. bands as listed in pages 15 - 19, including 920-923 MHz, 2400-2483.5
			4. MHz, 5150-5250 MHz, 5250-5350 MHz, 5725-5825 MHz.
	7. Fyi - In 2016, **Vietnam MIC circulated a draft that revises the regulation on license-exempt frequency bands.** It is now effective.
		1. <http://mic.gov.vn/Pages/VanBan/14306/1_VBHN-BTTTT.html>
		2. Select highlights:
		3. [1] Increase the maximum RF output power allowed of WLAN devices operating at 2.4 GHz up to 200mW.
		4. [2] Wide Band Communication Device is a radio device that is used in IMT-Advanced wideband transmission applications using the bands 5150-5350 MHz and 5470-5850 MHz at the bandwidth of at least 20 MHz or for access with the rate of up to Gigabit/s in WLAN or WPAN operating in the 57- 66 GHz frequency band.
			1. NOTE: WLAN devices can operate at the following bands: 2400 - 2483.5 MHz, 5150 - 5250 MHz (indoor only), 5250 - 5350 MHz (subject to DFS/TPC), 5470 - 5725 MHz (subject to DFS/TPC), 5725 - 5850 MHz, and 57- 66 GHz.
		5. [3] Updated regulation on devices with operating frequency up to 246 GHz including automotive radars and UWB devices
		6. [4] Replace the operating frequencies of RFID from 920-925 MHz to 918-923 MHz band.
		7. [5] Remove the operating frequencies of 866 ~ 868 MHz allocated for RFID. The RFID products operating at these bands which have been manufactured or imported before enforcing date of this Circular can still be used in Vietnam, but must be stopped if cause harmful interference to licensed bands.
	8. Fyi - **Japan MIC has published a list of changes in technical conditions forradar systems operating at 60 GHz:**
		* 1. <http://www.soumu.go.jp/menu_news/s-news/01kiban14_02000401.html>
		1. For the existing technical conditions, these are still applied for the 60 GHz low power data communications systems. Some of the conditions are difference depending on the maximum antenna power.
		2. For the proposed technical conditions for radar, maximum antenna power is not used as a criterion. Instead, carrier sense is used as a criterion for drafting the technical conditions. For example, if the radar system is not equipped with carrier sense, then the operating frequency is 57 - 64 GHz. If the radar system is equipped with carrier sense, then the operating frequency is 57 - 66 GHz.
		3. summarized at:
			1. <https://mentor.ieee.org/802.18/dcn/19/18-19-0133-00-0000-update-on-the-60-ghz-technical-conditions-for-millimeter-wave-radar-systems-in-japan.ppt>
	9. **NIST has issued an open/public comment period for its Draft NISTIR 8267, *Security Review of Consumer Home Internet of Things (IoT) Products.***
		1. The public comment period is open to 1 November.
		2. **The draft document is at:**
			1. [**https://nvlpubs.nist.gov/nistpubs/ir/2019/NIST.IR.8267-draft.pdf**](https://nvlpubs.nist.gov/nistpubs/ir/2019/NIST.IR.8267-draft.pdf)
		3. *Draft NIST Interagency or Internal Report (NISTIR) 8267, Security Assessment of Consumer Home IoT Products, presents the results of technical assessments on security features of smart light bulbs, security lights, security cameras, doorbells, plugs, thermostats, and televisions. This report provides recommendations, along with information on the observations of the devices' security features, to indicate current practices and how these current practices could be improved.*
		4. **Scanning the document there is Wi Fi and MAC addresses noted.**
		5. IEEE USA is responding, though looking for input from IEEE 802 by 29 Oct? (This went out to the LMSC(EC))
		6. A member had some history and how NIST has worked with contractors and companies on the research.
		7. **Chair will send out for input from .18 members and will discuss next week(24th) if we want to send anything to IEEE USA or not.**
3. Chair presents slide 16, Actions required
	* Chair to send out to listserver about the NIST consultation on security of home IoT devices. Next week will review and anything to send to IEEE USA?
	1. Ongoing:
	2. WPT use of license-exempt bands and UWB in cell phones
	3. Digital Divide, how can we help?
4. Chair presents slide 17 Any Other Business
	1. Nothing brought up
5. Chair presents slide 18, Adjourn
	1. Next teleconference: 24 Oct 2019 – 15:00 – <15:55 ET
		1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-13-0000-teleconference-call-in-info.pptx> (or latest)
		2. All late changes/cancellations will be sent out to the 802.18 listserver.
	2. Adjourn:
		1. Agenda complete, any objection to Adjourn.
		2. None heard, Adjourn at 15:41 ET.
	3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 10 – 15 November 2019 Plenary in the Hilton Waikoloa Village, Kona, HI, USA
	4. Normal time slots, Tuesday AM2 and Thursday AM1 – remember no reciprocal from other WGs
	5. **Thank You**