IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 26 Mar 20 | | | | |
| 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, 26 Mar 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **26mar** | **19mar** | **18mar** | **17mar** | **16mar** | **13mar** | **12mar** | **11mar** | **05mar** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Boldy | David | Broadcom |  |  |  |  | **x** |  |  |  | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  |  |  |  |  |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **x** | **x** | **x** | **x** |  |  | **x** |  | **x** |
| Fang | Yonggang | ZTE TX Inc | **x** |  |  |  |  |  | **x** |  | **x** |
| Harrington | Tim | Pro ID & UWB Alliance | **x** |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei | **x** |  |  |  |  |  |  |  |  |
| Kain | Carl | Noblis, Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kenney | John | Toyota ITC | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Kerry | Stuart | Ruckus/CommScope | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Lansford | Jim | Qualcomm |  | **x** |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry |  |  |  |  |  |  | **x** |  |  |
| Lynch | Mike | MJLynch Assoc | **x** | **x** |  |  |  |  |  |  | **x** |
| Nikolich(lmsc) | Paul | Self and others | x | x | x |  |  | x | x |  |  |
| Palm | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  | **x** |  |  |  |  | **x** |  | **x** |
| Sarris | Ioannis | u-blox |  |  |  |  |  |  |  |  | **x** |
| Shellhammer | Steve | Qualcomm |  |  |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE | **x** | **x** |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** |  |  |  | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **26mar** | **19mar** | **18mar** | **17mar** | **16mar** | **13mar** | **12mar** | **11mar** | **05mar** |
| Au | Edward | Huawei | **x** |  |  |  |  |  |  |  |  | |
| Goldbberg | Jonathan | IEEE |  | **x** | **x** | **x** |  |  |  |  |  | |
| Haskou | Abdullah | Interdigital |  |  |  |  |  | **x** |  |  |  | |
| Hervieu | Lili | Cable TV Labs |  |  |  |  |  |  |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |  | |
| Lisa | Ward | Rohde&Schwarz |  |  |  |  |  |  | **x** |  |  | |
| Roy | Dick | Self | **x** | **x** | **x** | **x** | **x** |  |  |  |  | |
| Schiessl | Sebastian | u-blox | **x** | **x** | **x** | **x** | **x** |  |  |  | **x** | |

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

1. Chair presents slides 2 – 6 of 802.18-20/0050r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0050r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Peter Ecclesine (Cisco)
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. APAC update for March 2020
         1. Japan MIC consultation, spectrum from WRC-19
      4. FCC NPRM on 5.9GHz reply comments
      5. ITU-R SM.2352 submission
      6. ITU-R M.1450/M.1801 submissions
      7. General Discussion Items
   5. Actions required
      1. ITU-R submissions inputs
      2. Anything new today
   6. AOB and Adjourn
3. Chair presents slide 8, Administrative – Motions and more
   1. **Motion:** To approve the agenda as presented on previous slide

Moved by: Hassan Yaghoobi (Intel)

Seconded by: Stuart Kerry (Ruckus/CommScope)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 19 Mar 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0042-00-0000-minutes-19mar20-rrtag-teleconference.docx> 20-Mar-2020 08:03:23 ET

Moved by: Vijay Auluck (Self) )

Seconded by: Peter Ecclesine (Cisco Systems)

Discussion? None

Vote: Approved by unanimous consent

1. Chair presents slides 9-10-12, EU items to share
   1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #105, 23–27Mar20, Sophia-Antipolis 🡸 f2f - cancelled**
      1. Working out going to teleconference, there are many challenges. e.g. how approvals will done…
      2. Lots of teleconference being worked out.
      3. Will there be #106 in June or teleconference?
      4. There will be Goto meetings in the next months on specific topics.
      5. Need to communicate to the members clearly what topics, when, etc.
      6. So hard to get to all the contributions that are really needed.
   2. **CEPT–ECC** [**<ECC>**](https://cept.org/ecc/groups/ecc/client/introduction/) **53rd plenary, 30Jun-03Jul, Belgrade, Serbia** 
      1. Letter from ECO today they are closed for now and don’t know when we can do f2f.
   3. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #10, 12-14May20, Kristiansand, Norway**
      1. 2 call-ins in April, 07 & 17th, 1500-1700CET.
2. Chair presents slide1 11, ITU-R items to share
   1. **nothing to share today**
3. Chair presents slides 12, APC status and Japan
   1. **APAC update March 2020** (wait till 26Mar)
      1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0033-00-0000-apac-update-march-2020.pptx>
   2. **Japan MIC has issued a consultation on their spectrum frequency planning based on the outcomes of WRC-19.**

A few points that maybe of useful are listed as follows:

[1] Consider relaxing the requirement at 5.2 GHz so that it can be used in automobiles

[2] Consider developing an environment that allows flexible use of IoT devices at 915-935 MHz

[3] In response to future traffic increase of Wi-Fi by IoT, advance on technical considerations (e.g., sharing) with other existing wireless systems

[4] Consider technical conditions that UWB can be used not only indoor, but also outdoor in the 7 - 10 GHz band

[5] Consider introducing V2X in the 5.9 GHz band

[6] Next generation radar at 5 GHz:  start technical inspections, such as narrowing the band with weather radar

For details, please visit: [https://www.soumu.go.jp/menu\_news/s-news/01kiban09\_02000338.html](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.soumu.go.jp_menu-5Fnews_s-2Dnews_01kiban09-5F02000338.html&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=7P9SXuJiCv4C3W_4cov0TUzhXi0KQY7gr3F6D8M6cU8&s=SDoKODlFG4e9DbmP67QMbqHP0s0wmWpvFo50pw8CZWk&e=)

The deadline for comment submission is April 10, 2020.

1. Chair presents slide 13, FCC NPRM on 5.9 GHz reply comments
   1. **FCC NPRM on 5.9 GHz reply comments** 
      1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-02-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx> **(🡺r**01**/02 Fed. Reg. some updates.)**
      2. <https://www.federalregister.gov/documents/2020/02/06/2020-02086/use-of-the-5850-5925-ghz-band>
   2. **Proceeding 19-138:**
      1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
   3. **Reply comments now due Monday 27 April, status**
      1. Tuesday (24th) the LMSC(EC) ballot did start,
         1. Status: 2 approved, 1 abstain, 1 probable approve and 1 possible approve.
      2. With short time we had before we did what we could. With that, we could add a few more reply comments and clean up with the additional time.
      3. Or we could do a 2nd reply comments if there are things we want to add to the filing. Some questions on how it would look to the FCC and others.
      4. Could we call it and do a “supplemental” to the first one.
      5. Plan: stay the course with current ballot, with EC members providing feedback already., and then we know we have something to turn in.
      6. Member will provide input for possible points for supplemental, starting with the section 1 that we ran out of time last week.
      7. Will start with an ad hoc, next Tuesday, 31st, at 3pm-et. Call in info will be sent out.
      8. At very end, member brought up we should not file early, once the EC ballot is done, should wait till closer to the new due date, 27 April. Yes, and this will be looked at.
2. Chair presents slides 14 & 15, ITU-R SM.2352 on THz
   1. **From 802.15.3d, ITU-R SM.2352 on THz communications updates, standing by** 
      1. 802.15.3d has a draft of a submission to ITU-R on updates needed on SM.2352 and needs to get to ITR-R WP1A
      2. .15: <https://mentor.ieee.org/802.15/dcn/19/15-19-0276-03-0thz-ieee-802-15-tag-thz-input-to-the-revision-of-itu-r-sm-2352.docx>
      3. .18: (will be): <https://mentor.ieee.org/802.18/dcn/20/18-20-0052>
      4. WP1A meeting starts 29 May, so far
      5. Goal to have approved by 01 May so time to get submitted
      6. So best to approve in .18 by 16 April for either EC teleconference 21 Apr or a 10-day ballot.
      7. Reviewing now with ITU-R liaison and author.
3. Chair presents slides 16 & 17, **ITU-R M.1450/M.1801 updates**
4. **From 802.11 ad hoc, ITU-R M.1450/M.1801 updates**
   1. Latest drafts:
   2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0253-05-0itu-itu-ahg-m-1450-5-edits.docx>
   3. [https://mentor.ieee.org/802.11/dcn/20/11-20-0254-05-0itu-itu-ahg-m-1801-2-edits.docx](https://mentor.ieee.org/802.11/dcn/20/11-20-0254-03-0itu-itu-ahg-m-1801-2-edits.docx)
5. Have learned the new start date for WP5A is July 20th
6. Met with key people yesterday, 25th. Current plan
   1. 30 March final review and endorsement in ITU AHG
   2. Bring to .18 and when time permits next few weeks will review to have ready.
   3. \_tbd \_\_ .18 Approval
   4. 02 June EC approval during the EC teleconference
   5. Submission to WP5A 1st week of July
7. **earlier**
   1. Due to cancellation of the ATL March Plenary, the 802.11 ad hoc will bring the submission to 802.18 for approval and then LMSC(EC) approval for submission to ITU-R.
8. Chair presents slides 18-19, General discussion items FYI
   1. China MIIT has recently started a consultation asking for public opinions on its proposed regulations on the management of radio transmission equipment, including micro-power short range radio transmission equipment.
      1. Not specifically discussed, see listserver email or agenda for some basic info
      2. For details, please visit [https://www.imda.gov.sg/regulations-and-licensing/Regulations/consultations/Consultation-Papers/2020/Security-Requirements-for-Residential-Gateways](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.imda.gov.sg_regulations-2Dand-2Dlicensing_Regulations_consultations_Consultation-2DPapers_2020_Security-2DRequirements-2Dfor-2DResidential-2DGateways&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=ky3-b-DGSM4zEgSD26KWXJ3e4gI87gOsC-YDL8kGzpk&s=ROZ83xvqRZrnjHKrsl4oEqsj0mlBdYqtsv05gOcIESA&e=)
      3. The deadline for comment submission is 12pm Singapore local time, April 10, 2020.
   2. Singapore IMDA has recently started a consultation on its proposed security requirements for residential gateways.
   3. For this consultation, paragraphs 4.4 and 4.5 maybe of interest to Wi-Fi community.
      1. Not specifically discussed, see listserver email or agenda for some basic info
      2. For details, please visit [https://www.imda.gov.sg/regulations-and-licensing/Regulations/consultations/Consultation-Papers/2020/Security-Requirements-for-Residential-Gateways](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.imda.gov.sg_regulations-2Dand-2Dlicensing_Regulations_consultations_Consultation-2DPapers_2020_Security-2DRequirements-2Dfor-2DResidential-2DGateways&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=ky3-b-DGSM4zEgSD26KWXJ3e4gI87gOsC-YDL8kGzpk&s=ROZ83xvqRZrnjHKrsl4oEqsj0mlBdYqtsv05gOcIESA&e=)
      3. The deadline for comment submission is 12pm Singapore local time, April 10, 2020.
9. Chair presents slide 10, Actions required
   * **Chair to setup Tuesday ad hoc, 3pm-et/noon-pt,**
   * **Chair to notify EC of discussion today on the 5.9GHz reply comments**
   * **ITU-R M.1450 & M.1801 submissions from 802.11, inputs.**
   * **ITU-R SM.2352 submission from 802.15 Terahertz IG, inputs.**

* **Start to consider what are IEEE 802 viewpoints are for WRC-23 agenda items.** 
  1. Ongoing:
     1. WPT use of license-exempt bands and UWB in cell phones
     2. Digital Divide, how can we help?

1. Chair presents slide 21 Any Other Business
   1. **Today, 12voters, 17 on the call**
2. Chair presents slide 21, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 02Apr20–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-14-0000-teleconference-call-in-info.pptx> (or latest)
      2. All late changes/cancellations will be sent out to the 802.18 list server.
   2. **Note: current call-in, r14 is good through 07 May and is not on the IEEE new teleconference calendar.** <http://ieee802.org/802tele_calendar.html>
      1. Starting 14 May, there will be a new call-in, using the IEEE Seat 4 webex
         1. Have to copy out of the calendar and past into word to get the link,
      2. Or, on the .18 web page or in the next call-in doc18-16-0038r15.
   3. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:58et
   4. The next face to face meeting is tbd, possibly Montreal in July. Stay tuned.
      1. Warsaw Wireless Interim was cancelled.
   5. **Thank You**