IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 20Aug20 | | | | |
| 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, 20Aug20

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

\*\* Apologies from the chair for those that had wait for the chair to reboot after no keyboard, mouse or input control whatsoever.

1. Chair presents slides 2 – 6 of 802.18-20/0118r01, 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
      1. Latest on moving forward
   4. Discussion items
      1. EU Items
      2. Other regions Items
      3. ITU-R Items
      4. FCC R&O and FNPRM 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 13 August 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0118-00-0000-minutes-13aug20-rrtag-teleconference.docx> 14-Aug-2020 22:16:57 ET, with editorial privilege for the 802.18 chair.

Moved by: Mike Lynch (MJLyncAssoc)

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? Lots of positive feedback, will head this way.**
     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. Nothing new today

* 1. **ETSI - ERM -** [**<TG-11>**](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next calls, SRDoc #13 – 26Aug20, #14-09sep20**
     1. Have not heard back from .15 on the SRDoc this week.
     2. What has been seen is some of the .15 references are out of date.
     3. And there is some text on what technology is today, could be reviewed.
     4. We need to keep this going, best to get in by 09 Sept call, not sure the calendar will allow this. Hearing a desire to have the SRDoc by the end of September.
  2. **CEPT – ECC** [**<FM57>**](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next call, meeting #12-05-07Oct20**
     1. Many contributions are expected for the October call.
     2. Hearing some concern if there will be enough discussion time for all the contributions.

1. Chair presents slide 12, **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>
         1. Do we want to review and possibly comment, the deadline will allow?
      4. 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. There are 2 more teleconferences if we want to work out a filing.
   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:/www.tra.gov.ae/en/eparticipation/consultations/details.aspx?id=1630__;!!F7jv3iA!g5bQbxEC3rDqw3MrkwuNPhtwbU_DYwJWdeQChYTzL_ZZEUjv0SZshMAentEDT4mv5Q$)
      3. Or <https://mentor.ieee.org/802.18/dcn/20/18-20-0121-00-0000-uae-tra-uwb-and-srd-regulations-consultation.docx>
      4. September 17, 2020 is the deadline. IEEE 802.18 needs to approve by 03Sept20.
      5. 1.1.6 – UWB & SRD - okay to add unmanned aircraft radio systems (UAS)
      6. 2.1.19 – 802.11 in general, not specific amendments
      7. 2.1.xx ITS; and 5855-5925MHz add ITS to M.2121
      8. 870-875.8 and 5795-5815 MHz - delete transport and traffic telematics
      9. 76-81 GHz remove railway, radar and more.
      10. Question 5 on RLAN/WLAN and recent IEEE 802.11 developments.
      11. 4.2 – Generic UWB shall comply with EN 302 065
      13. Sounds like they are open to additional recommendations beyond their specific points in the questions.
      14. 802.18 would need to approve any comments at the next teleconference, 03Sept20, the Chair will setup an ad hoc on the Wednesday 02Sept20 if contributions have come in to review.
2. Chair presents slides 13 (-14), **ITU-R items to share**
   1. FCC - **World Radiocommunication Conference Advisory Committee**
      1. **FR Document:** [2020-18167](https://urldefense.com/v3/__https:/www.federalregister.gov/documents/2020/08/19/2020-18167/first-meeting-of-the-world-radiocommunication-conference-advisory-committee?utm_campaign=subscription*mailing*list&utm_source=federalregister.gov&utm_medium=email__;Kys!!F7jv3iA!hb818J9rl3BAU5G1WDOO6jplw6YJtmToESpKs8VBRu_Aqmzho8xxsPfB8QunwTLhgg$)**;** [PDF](https://urldefense.com/v3/__https:/www.govinfo.gov/content/pkg/FR-2020-08-19/pdf/2020-18167.pdf?utm_campaign=subscription*mailing*list&utm_source=federalregister.gov&utm_medium=email__;Kys!!F7jv3iA!hb818J9rl3BAU5G1WDOO6jplw6YJtmToESpKs8VBRu_Aqmzho8xxsPfB8QvnyN1vIQ$)Page 51030 *(1 page);* [Permalink](https://urldefense.com/v3/__https:/www.federalregister.gov/d/2020-18167?utm_medium=email&utm_campaign=subscription*mailing*list&utm_source=federalregister.gov__;Kys!!F7jv3iA!hb818J9rl3BAU5G1WDOO6jplw6YJtmToESpKs8VBRu_Aqmzho8xxsPfB8QtF_LI9YQ$)
      2. **Abstract:** In accordance with the Federal Advisory Committee Act, this notice advises interested persons that the first meeting of the World Radiocommunication Conference Advisory Committee (WAC) will be held on August 25, 2020
      3. Normally IEEE has not participated in this FCC committee, IEEE is global focused
         1. IEEE-USA has participated, since USA
         2. Should we (IEEE 802 / IEEE –SA) consider to participate?
      4. State Department TAC – now called IDET is an overall umbrella for some of this and we may have to work with them about any contributions from us.

* 1. 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>
     2. <https://www.itu.int/dms_pub/itu-r/oth/0c/0a/R0C0A00000D0041PDFE.pdf>
     3. On Mentor:
     4. <https://mentor.ieee.org/802.18/dcn/20/18-20-0107-00-0000-res-811-wrc-19-wrc-23-agenda-items.docx>
  2. With Mentor Doc. 18-20/0107, we will over time identify the Agenda Items of interest to IEEE 802, to form some viewpoints.
  3. **Note: will fill in at end of calls with working through the list.**
  4. Learned some WRC-19 items are being carried over to WRC-23, we should review those also.

1. Chair presents slides 14 -15 (15-16), **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
      3. Now it is 8 filings Petitions for review/reconsideration, and they are in the First Circuit Court of appeals. Deadline to join this is 27 August 20.
   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.
         2. Around 20 other organization and members of other organizations involved.
      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. Registered folks on the MSG website, can now see minutes and slides.
      5. The MSG is not public but open to any interested party that wants to join in, *you do have to register and apply.*
      6. Renamed to the “6GHz M.S. Committee” so will be a focused on this topic.
      7. [https://www.wirelessinnovation.org/6ghz-multistakeholder-committee](https://urldefense.com/v3/__https:/www.wirelessinnovation.org/6ghz-multistakeholder-committee__;!!F7jv3iA!miq8gKDh5u9EeBEqnJQ0xEKNYPoCPGlGj45FX_qjQNRwSaW1Br7N6myjjcdbTNciew$)
2. Chair presents slides 16 (17), **General discussion items**
   1. ANSI asking for public comment on the US Standards Strategy First Draft 2020 update, by 31 August 2020.
   2. <https://www.ansi.org/news_publications/news_story?menuid=7&articleid=f281d6c9-c08b-4d8d-afa3-cb58ac530839>
3. Chair presents slide 17 (18), Actions required

* **All - Saudi Arabia consultation, inputs on points to comment on.**
* **All - UAE consultation, inputs on points to comment on.**
* **Ad Hoc for Saudi Arabia and UAE, during the week before 03Sept.**
* **Find and ID WRC-19 AIs carried over to WRC-23 we have interest in.**

1. Chair presents slide18 (19) Any Other Business
   1. none heard
2. Chair presents slide 19 (20), Adjourn
   1. **Next weekly teleconference (scheduled to 07Jan21): 03 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. ***Note: there will not be a teleconference on 27Aug20.***
   4. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:56et
   5. **The next face to face meeting is tbd.**
   6. **The next plenary will be electronic from 30Oct20 to 13Nov20.**
   7. **Thank You**

Voters:

**Au** Edward Huawei

**Auluck** Vijay Self

**Ecclesine** Peter Cisco Systems, Inc

**Holcomb** Jay Itron Inc.

**Jeffries** Timothy FutureWei Technologies, Inc.**x**

**Kain** Carl Noblis, Inc.

**Kenney** John TOYOTA InfoTechnology Center U.S.A

**Kerry** Stuart OK‐Brit, Self

**Levy** Joseph InterDigital

**Lynch** Michael MJ Lynch & Associates, LLC.

**Nikolich** Paul Self, HPE, Huawei, Itron, octoScope, Wyebot, UNH BCoE, YAS BBV, Origin Wireless

**Rolfe** Benjamin Blind Creek Associates

**Yaghoobi** Hassan Intel Corporation

Non-Voters:

**Hamilton** Mark Ruckus/CommScope

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

**Ward** Lisa Rohde & Schwarz

**Yucek** Tevfik Qualcomm