IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | |
| Date: 11-17mar21 | | | |
| Name | Affiliation | Address | Email |
|  |  |  |  |
| Author and Officer presiding: | | | |
| Jay Holcomb,  Chair, RR-TAG | Itron | Liberty Lake, (Spokane) WA | jholcomb@ieee.org |

Abstract

Minutes of the IEEE 802 RR-TAG electronic Plenary

These are the Minutes of the IEEE 802 RR-TAG electronic Plenary Thursday, 11-17mar21

Chair calls the meeting to order at 15:02 et., Thursday 11Mar21

1. Chair presents slides 2 – 6 of 802.18-21/0025r01, 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. Attendance on IMAT with Webex check
         1. Please check your affiliation
      2. Remember to mute when not speaking, thanks.
      3. 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 & announcements.
   4. Ballots: teleconferences and Vice-Chairs
   5. 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
   6. Actions required.
      1. Set up WRC-23 AIs ad hoc
      2. Anything new today
   7. AOB and Adjourn
3. Chair presents slides 8 - 13 Administrative – Motions and more
   1. **Motion: To approve the agenda as presented on previous slide**

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

Seconded by: Hassan Yaghoobi (Intel Corp)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion: To approve the minutes from the IEEE 802.18 Interim 14-21 Jan 2021 in document** [**https://mentor.ieee.org/802.18/dcn/21/18-21-0003-01-0000-minutes-electronic-interim-14-21jan21-rr-tag-sna.docx**](https://mentor.ieee.org/802.18/dcn/21/18-21-0003-01-0000-minutes-electronic-interim-14-21jan21-rr-tag-sna.docx) **22-Jan-2021 10:14:54 ET, with editorial privilege for the 802.18 chair.**

Moved by: Steve Palm (Broadcom)

Seconded by: Edward Au (Huawei Tech.)

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.
        2. Need to coordinate with the other WGs & TAGs on meeting times: .11 is 10-18may21
        3. Question brought up can there be participation credit at a teleconference between plenaries, it is a matter of interpretation why the EC has an action to clarify.
     3. For **July 2021** proposed for Madrid, Spain, the LMSC(EC) on 05Mar21 **approved to cancel the in-person 802 Plenary.** It will be electronic like the past ones.
  2. **At the EC closing, on 18 Mar 21, there is a proposal of a motion to charge a $50 fee for the July 2021 electronic plenary. Fyi.** 
     1. This is to help cover some ongoing costs working future meetings and fees from working cancellations of past meetings.
     2. Voting membership status will be tied to paying of the fees.
        1. How were future meeting expenses handled in the past?
        2. Only talking plenary for now, likely will go to interims also, watch for updates
     3. For more info:
        1. WCSC finance report: <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0024-00-WCSG-wireless-treasurer-report-march-2021-electronic-plenary.pptx>
        2. EC finance report: <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0051-03-00EC-march-2021-treasurer-s-opening.pdf>
  3. **IEEE 802 2021 Edition of all the standards will be electronic only – 922MB** 
     1. Email to be sent to all individuals who participate in IEEE 802 March Plenary Meetings who sign into IMAT.
     2. IEEE SA will email these individuals with invite to download the 2021 Edition after the close of the Mar Plenary (19 Mar).
     3. For more info: <https://mentor.ieee.org/802-ec/dcn/21/ec-21-0048-00-00EC-ieee-802-electronic-media-2021-edition-update.pdf>
  4. **Teleconferences**
     1. **Motion: The 802.18 Chair or Chair designee is directed to conduct, as necessary, teleconferences on Thursdays at 15:00 ET through 02 Sep 2021**

Moved by: Stuart K. (OK-Brit/Self)

Seconded by: Vijay A. (self)

Discussion? None

Passed by Unanimous Consent

Motion passed, \_\_\_28\_\_\_ voters with \_\_34\_\_\_\_attendees

* 1. **Officer Elections -1**
     1. LMSC P&P sections 3.1 and 4.0: 802 EC election/appointments/membership
        1. All 802 executive committee members are elected or appointed and confirmed at the first Plenary session of each even numbered year.
        2. The 802.18 Vice-Chair position has been open, and we have had two volunteers become available, willing to help and be elected for vice-chair and its responsibilities.
     2. Per email sent to 802.18 on 07Feb21 and meeting on 11Feb21 nominations were opened for two RR-TAG co-Vice Chairs and then closed on 03Mar21, for elections now at the March 2021 Plenary.
     3. Last week it was announced at close of nominations, these 2 candidates were nominated:
        1. Stuart Kerry (OK-Brit, self)
        2. Al Petrick (Skyworks Solutions)
     4. Responsibilities / expectations for all offices have been in the back up slides in weekly agenda slide deck.
  2. **Officer Elections -2**
     1. The chair will use the web-ex polling
        1. And the Chair stated only he will see the specific results.
     2. Remember: only 802.18 voters are allowed to vote.
     3. **Ballot1:** To approve Stuart Kerry (OK-Brit/Self) as a Vice-Chair for IEEE 802.18 RR-TAG until the next election cycle, currently through the first IEEE 802 Plenary of 2022.
     4. **Yes \_22\_\_ No \_0\_\_\_ Abstain \_4\_\_** (later validated to voting membership)
     5. **Ballot2:** To approve Al Petrick (Skyworks Solutions) as a Vice-Chair for IEEE 802.18 RR-TAG until the next election cycle, currently through the first IEEE 802 Plenary of 2022.
     6. **Yes \_20\_\_ No \_\_1\_\_ Abstain \_5\_\_** (later validated to voting membership)
     7. **Voters present: 29**
     8. **Total # present at time of vote: 35**

1. Chair presents slides 14 & 15, **EU items to share**
   1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next call #109, 05-12Mar21 (this week)** 
      1. The 802.11 private area is being updated daily this week.
      2. EN 303 587 (6 GHz) is revising BRAN(21)109050r1 for approval Friday.
      3. Contribution: BRAN(21)109053r1 - Rapporteur's copy of EN 301 893 (5 GHz), plan to approve Friday also.
      4. Remember: BRAN as a whole approves each draft candidate, promoting it to draft. The rapporteur not allowed to edit.
      5. ETSI TS 103 754 V0.0.3 (2020-12) BRAN; Multiple Access Points Performance Testing
      6. BRAN(21)109045 – Software Controlled radios , will be sent to ERM . User access restrictions
   2. [**<RSCom>**](https://ec.europa.eu/digital-single-market/en/radio-spectrum-committee-rsc) **met this week, 09-10 Mar 21, and considering outcome from ECC, e.g. the mandatory 6 GHz decision and the 5GHz Decision (04)08;** 
      1. Nothing to share, yet,
   3. **CEPT –** [**<ECC>**](https://cept.org/ecc/groups/ecc/client/introduction/) **(and more) next meeting #56, 29Jun-02Jul21**
      * 1. <https://cept.org/Documents/ecc/62914/ecc-21-001-rev5_draft-agenda-55th-ecc-plenary>
      1. nothing to share
2. Chair presents slides 15, **Other regions (outside EU-Stds and USA), items to share**
   1. Canada has opened up two consultations as discussed last week.
      1. Comments due 07May21 for both.
      2. <https://www.rabc-cccr.ca/ised-white-space-database-specification-dbs-01-issue-3-february-2021-draft-white-space-database-specifications/>
      3. <https://www.rabc-cccr.ca/ised-radio-standard-specifications-rss-222-issue-3-february-2021-draft-white-space-devices-wsds/>
      4. Send questions to [ic.consultationradiostandards-consultationnormesradio.ic@canada.ca](mailto:ic.consultationradiostandards-consultationnormesradio.ic@canada.ca)
   2. *There are other Canadian consultations coming in bands of interest to us.*
   3. Saudi Arabia, CITC has a new consultation at:
      1. <https://www.citc.gov.sa/ar/new/publicConsultation/Documents/144201/TS_Public_Consultation.>[pdf](https://www.citc.gov.sa/ar/new/publicConsultation/Documents/144201/TS_Public_Consultation.pdf)
      2. The new consultation updates and modernizes a range of technical specifications, including RI054 (specification for Short Range Devices) and RI085 (specification for Ultra-Wideband Equipment), among others.
      3. <https://www.citc.gov.sa/en/new/publicConsultation/Pages/144202.aspx>
      4. Comments due 03 April 2021.
3. Chair presents slides 17-18, **ITU-R items to share**
   1. 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>
      1. **THz SC is finishing up, the submission draft at:** 
         1. <https://mentor.ieee.org/802.15/dcn/21/15-21-0122-01-0thz-liaison-statement-to-itu-r-wp5a.docx>
      2. 802.18 should see it for approval next week, only 2 pages of text.
      3. The draft is not expected to change much, will review today (11th).
      4. Goal is to have approved at the EC closing meeting on 18Mar21
   2. WRC-23 agenda items
      1. Will try a small focused ad hoc. 3 folks stepped up. **Are there any others to help?**
      2. Two more volunteered
      3. 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)
      4. Do have a start on this power point with 4+3 WRC-23 AIs IEEE 802 should consider viewpoints on
      5. 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)
      6. btw- the 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. 10 **-**recommend to the Council items for inclusion in the agenda for the next WRC,
4. Chair presents slide 19, **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)
     3. 2. From the FCC R&O, an informal MSG (“Group”) has also been formed.
     4. Anything to share? Not today.
5. Chair presents slide 20 and 21 for discussion, **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. **Ad hoc, last one.** 
      1. Good discussion on proposed initial spreadsheet format, see latest with some notes at:
      2. <https://mentor.ieee.org/802.18/dcn/21/18-21-0020-01-0000-proposed-frequency-table-format.pptx>
      3. Need to consider creating lists for the future: country/regions and final tool/maintenance.
      4. With initial data **gathering spreadsheet format, who is going to populate it?**
   4. **The next meeting will be 30Mar21. (call-in in backup slides here) (5th Tuesday this month)**
   5. **Points for future adding countries / regions.** 
      1. Different countries/regions different users/services for same frequency range.
      2. How to handle regulators always updating users/services for different frequency ranges.
      3. Does licensed and licensed-exempt come into this table?
   6. **Points for future going to a user-friendly tool, and how to maintain**
      1. Stay with spreadsheet?
         1. Data Base online, easier to search and sort
         2. If so how far out to change over?
      2. Where to keep it?
         1. Stay with .18 mentor for now.
         2. Can IEEE SA post it if it goes to a data base? (and maintain)
      3. How often to update it? Or what is trigger?
      5. We need a clear source of the data, along with date of last info/update. If too old, how good is the data?
6. Chair presents slide 22, **General discussion items**
   1. **None today**
7. Chair presents slide 23, **Actions / AOB / Recess**
   1. **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. **AOB before recess to next Wednesday, 17Mar21?**
      1. Straw Poll from the EC Exec Secretary <<<< next week.
         1. ~~When do you expect the next in person 802.18 Session will be?~~
            1. ~~September 2021~~
            2. ~~November 2021~~
            3. ~~after 2021~~
            4. ~~No Answer~~
   2. **Recessed at 15:57 until Wednesday 17Mar21, 15:00et**
8. Chair presents slide 24, **2nd -meeting wednesday 17nov21 Agenda**
   1. Chair calls the meeting to order at 15:02 et
   2. **Reminder we are still under all IEEE policies as shown last Thursday (05Nov20)**
      1. **Attendance on IMAT with Webex check**
      2. Remember to state your name, affiliation, employer and/or clients first time you speak.
      3. Someone to take a few notes: Peter E.
      4. Attendance and request queue in chat window, Stuart K
   3. **Items from last week or new**
      1. Affirmations of ballots for the vice chairs
      2. EU Items
      3. Other Regions Items
      4. ITU-R Items
      5. MSG 6 GHz & FCC
      6. Table of Frequency Bands
      7. General Discussion Items
   4. **Actions Required**
      1. Anything new today
   5. **AOB**
   6. **Adjourn**
   7. Any objections to accepting the agenda?

* None heard

**Results:** Approved by unanimous consent

1. Chair presents slides 25 and 26, **Vice-Chairs Election - Affirmations**
   1. The chair will use the web-ex polling and will be the only one to see specifics.
   2. Remember: only 802.18 voters are allowed to vote.
   3. **Moton:** Move that the IEEE 802.18 RR-TAG affirms the ballots and results of 11 March 21 for:

* Stuart Kerry (OK-Brit/Self) Yes \_22\_ No \_0\_ Abstain \_4\_

As Vice-Chair for IEEE 802.18 RR-TAG until the next election cycle, currently through the first IEEE 802 Plenary of 2022.

Move: Ben Rolfe (BlindCreek Assoc.)

Second: Vijay Auluck (Self)

Discussion: none

Results: Yes \_21\_ No\_0\_ Abstain \_1\_ (later validated to voting membership)

Voters present: \_24\_

**Affirmation: passes**

Total # present at time of vote: \_29\_

* 1. The chair will use the web-ex polling and will be the only one to see specifics.
  2. Remember: only 802.18 voters are allowed to vote.
  3. **Motion:** Move that the IEEE 802.18 RR-TAG affirms the ballots and results of 11 March 21 for:
* Al Petrick (Skyworks Solutions) Yes \_20\_ No \_1\_ Abstain \_5\_

As Vice-Chair for IEEE 802.18 RR-TAG until the next election cycle, currently through the first IEEE 802 Plenary of 2022.

Move: Ben Rolfe (BlindCreek Assoc.)

Second: Vijay Auluck (Self)

Discussion: none

Results: Yes \_20\_ No \_0\_ Abstain \_2\_ (later validated to voting membership)

Voters present: \_25\_

**Affirmation: passes**

Total # present at time of vote: \_30\_

1. Chair presents slides 27 & 28, **EU items to share**
   1. **ETSI –** [**<BRAN>**](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **last call #109, 05-12Mar21 (last week) (#109a-15-22Apr21)** 
      1. Friday – 2 new versions of the 5 and 6 GHz standards were out.
      2. For 5 GHz the energy detection threshold was discussed. -62 dBm/20MHz for A and AC, and now AX. Depending on your power then -72 dBm to -62 dBm was agreed upon in the end and in the new draft. (An earlier objection was dismissed.)
      3. Next is User Access Restrictions that needs further discussion with EC. BRAN will discuss with the desk officer.
      4. 5.8 GHz band is being opened in some countries, but not all.
      5. 6 GHz narrow band frequency hopping concern being discussed on interference to others.
      6. 60 GHz – 3 stds today. Fixed deployment one is okay for assessment at EC.
      7. C1 Band one, AD and AY, coming out of ENAP now. Will need comment resolution next.
      8. There is a TR for coex in 5.8GHz band, need a new rapporteur.
      9. There is also TS 103 754 test plan for multi AP, for mesh systems being worked.
      10. See page 15 of <https://docdb.cept.org/download/25c41779-cd6e/Rec7003e.pdf> for details on the three different 60 GHz assignments.
      11. 11Mar: EN 303 687 (6 GHz) is revising BRAN(21)109050r1 for approval Friday.
          1. Contribution: BRAN(21)109053r1 - Rapporteur's copy of EN 301 893 (5 GHz), plan to approve Friday also.
   2. **CEPT** 
      1. EC RSComm met earlier. There are no formal minutes, decisions are public however.
         1. The Draft decisions are available on [https://circabc.europa.eu](https://circabc.europa.eu/) , in the RSC library.
         2. Key point is by 01Dec21, all member countries are to adopt the 6 GHz regulations.
         3. Question on channels, they are defined in Annex E of 802.11. channel 2 with 5935 MHz center frequency is not allowed in Europe though is available for the FCC, that was the only channel brought up that is different.
2. Chair presents slides 29, **Other regions (outside EU-Stds and USA), items to share**
   1. Nothing to share today? Nothing brought up.
3. Chair presents slides 30 and 31, **ITU-R items to share**
   1. WRC-23 agenda items
      1. 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) (07April, 16:00et so far)
      2. btw- the 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. 10 **-**recommend to the Council items for inclusion in the agenda for the next WRC,
   2. 802.15 THz SC & 802.15 is bringing the submission 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, the Liaison: <https://mentor.ieee.org/802.15/dcn/21/15-21-0002-00-0thz-liaison-statement-from-itu-r-wp5a.docx>
      1. THz SC and 802.15 finished up, and their submission:

<https://mentor.ieee.org/802.15/dcn/>[21/15-21-0122-03-0thz-liaison-statement-to-itu-r-wp5a.docx](https://mentor.ieee.org/802.15/dcn/21/15-21-0122-03-0thz-liaison-statement-to-itu-r-wp5a.docx)

* 1. The .18 version of the submission for ballot today will be:
     1. <https://mentor.ieee.org/802.18/dcn/21/18-21-0027-00-0000-Liaison_Response_to_ITU-R_WP_5A_on-THz-communications(.15_THz-SC).docx>
  2. Goal is to have approved at the EC closing meeting on 18Mar21, tomorrow.

1. **ITU-R THz 252-296 GHz band submission**
   1. **Motion:** Move to approve document <https://mentor.ieee.org/802.18/dcn/21/18-21-0027-00-0000-Liaison_Response_to_ITU-R_WP_5A_on-THz-communications(.15_THz-SC).docx> on THz communications submission in response to ITU-R WP 5A Liaison, for review and approval by the LMSC(EC) for submission to ITU-R WP 5A via ITU-R Liaison before 1 week before ITU-R WP 5A next meeting submission deadline. The Chair of 802.18 is authorized to make editorial changes as necessary.

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

Seconded by: Vijay Auluck (self)

Discussion? none

Vote: \_17\_Y / \_0\_\_N / \_3\_\_A

Voters: \_27\_

Motion - Passes

\_32\_ on the call

1. Chair presents slide 32, **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)
     3. 2. From the FCC R&O, an informal MSG (“Group”) has also been formed.
     4. Anything to share?
        1. Reconstituted itself today. There will be two high level groups/efforts and the other work streams will be under these two:
           1. Requirements
           2. Testing and Certifications
   1. **From the FCC R&O, an informal MSG (“Group”) has also been formed.**
      1. Anything to share? Not today.
2. Chair presents slide 33 and 34, **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. **Ad hoc, last one.** 
      1. Good discussion on proposed initial spreadsheet format, see latest with some notes at:
      2. <https://mentor.ieee.org/802.18/dcn/21/18-21-0020-01-0000-proposed-frequency-table-format.pptx>
      3. Need to consider creating lists for the future: country/regions and final tool/maintenance.
   4. How do we fill in the spreadsheet now?
   5. **The next meeting will be 30Mar21. (call-in in backup slides here) (5th Tuesday this month)**
   6. **Points for future adding countries / regions.** 
      1. Different countries/regions have different users/services for same frequency range.
      2. How to handle regulators always updating users/services for different frequency ranges?
      3. Does licensed and licensed-exempt come into this table?
   7. **Points for future going to a user-friendly tool, and how to maintain**
      1. Stay with spreadsheet?
      2. Or a Data Base online, easier to search and sort possibly.
         1. If so how far out to change over? tbd
      3. Where to keep it?
         1. Stay with .18 mentor for now.
         2. Can IEEE SA post it if it goes to a data base? (and maintain)
      4. How often to update it? Or what is trigger?
      5. We need a clear source of the data, along with date of last info/update.
         1. Something to keep in mind, if too old, how good is the data?
         2. That is, add URL per item (if possible) and it should be the date \*per\* item not the overall document.
3. Chair presents slide 35 and 36, **General discussion items**
   1. **From last week and question on Electronic Interim meetings and participation credit:** 
      1. Per the 802 Operations Manual,  <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0090-24-0PNP-ieee-802-lmsc-operations-manual.pdf> , section 5,
      2. " Additionally, IEEE 802 LMSC Working Groups and Technical Advisory Groups are allowed to have electronic meetings to make decisions between Plenary Sessions, but such meetings do not count for participation credit."
      3. The EC does have an action to review this, so participation credit is available.
      4. FYI: for May 21; 11: 10-18May21; 15: 11-20(early)May21;
      5. Will propose at next weekly teleconference: .18: 13&20(normal times) May21
   2. **ITU-R WP 5D recent meeting. Next week.**
      1. In accordance with § A1.3.2.9 of Resolution ITU-R 1-8, the Working Party (WP) 5DCorrespondence Group on IMT parameters will work by electronic means (via correspondence and preferably via up to two virtual meetings with two or three sessions) in the period between the virtual meeting of WP 5D in March 2021 and the meeting of WP 5D in June 2021 to advance the working document on IMT parameters
      2. This includes 6-8GHz, and only IMT, not WAS/RLAN.
   3. 802.18 activity since January Interim
      1. Approvals:
         1. ITU-R submissions on M.1450 and M.1801
      2. Other discussions:
         1. Canada RABC consultations on white spaces.
         2. USA FCC NPRM non white spaces
         3. Mexico IFR list of consultations for 2021
         4. Brazil Anatel will follow FCC 6 GHz 1200 MHz
         5. Japan MIC reviewing 6 GHz from others.
         6. Colombia consultation on 6 GHz
         7. Saudi Arabia CITC spectrum outlook 2021-2023
         8. China MIIT consultation on 2.4 and 5 GHz.
         9. FCC PN on client to client communication at 6 GHz.
4. Chair presents slide 37, **Actions required.**

* **Chair to get to EC the 802.15 submission to ITU-R WP 5A on THz communications.**
* **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 sent to ad hoc members options for a call. (looking like 07April21, 16:00et)

1. Chair presents slide 38 Any Other Business
   1. Straw Poll from the EC Exec Secretary:
   2. When do you expect the next in person 802.18 Session will be?
      1. September 2021 7
      2. November 2021 8
      3. after 2021 9
      4. -----------
      5. No Answer 7

31 on the call.

1. Chair presents slide 39, Adjourn.
   1. Next “weekly” teleconference (sched’d to 02sep21): 25mar21–*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 15:56et
   4. The next face to face meeting is tbd.
   5. **The next IEEE 802.18 (wireless) interim proposed for May 2021**
   6. **The next IEEE 802 plenary will be electronic in July 2021**
   7. Thank You
2. Attendance

Voting members: Thur 11mar21 and Wed 17mar21

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Au | Edward | Huawei Technologies Co., Ltd | x | x |
| Auluck | Vijay | Self | x | x |
| de Vegt | Rolf | Qualcomm Incorporated | x | x |
| Ecclesine | Peter | Cisco Systems, Inc. | x | x |
| Furuichi | Sho | Sony Corporation | x | x |
| Godfrey | Tim | Electric Power Research Institute, Inc. EPRI) | x | x |
| Hiertz | Guido | Ericsson AB | x | x |
| Holcomb | Jay | Itron Inc. | x | x |
| Jones | Vincent Knowles IV | Qualcomm Incorporated | x | x |
| Kain | Carl | USDoT | x | x |
| Kenney | John | TOYOTA InfoTechnology Center U.S.A. | x | x |
| Kerry | Stuart | OK‐Brit, Self | x | x |
| Kuerner | Thomas | TU Braunschweig | x |  |
| Lansford | James | Qualcomm | x | x |
| Lepp | James | BlackBerry | x |  |
| Levy | Joseph | InterDigital | x | x |
| Lynch | Michael | MJ Lynch & Associates, LLC. | x | x |
| Nikolich | Paul | Self, HPE, Huawei, Wyebot, UNH BCoE, YAS BBV, Origin Wireless | x | x |
| Palm | Stephen | Broadcom Corporation | x | x |
| Petranovich | James | ViaSat, Inc. | x | x |
| Petrick | Al | Skyworks | x | x |
| Robert | Joerg | University of Erlangen-Nuremberg | x | x |
| Rolfe | Benjamin | Blind Creek Associates | x | x |
| Salazar Cardozo | Ruben E | Landis Gyr Group Worldwide | x |  |
| Sand | Stephan | German Aerospace Center (DLR) |  | x |
| Sato | Naotaka | Sony Corporation | x | x |
| Sherlock | Ian | Texas Instruments | x | x |
| Stanley | Dorothy | Hewlett Packard Enterprise | x |  |
| Verso | Billy | Qorvo | x | x |
| Wang | Lei | Huawei R&D USA | x | x |
| Yaghoobi | Hassan | Intel Corporation | x |  |
| Yucek | Tevfik | Qualcomm | x | x |
| Non Voting Attendees | |  |  |  |
| Haasz | Jodi | IEEE-SA | x | x |
| Hamilton | Mark | Ruckus/CommScope | x |  |
| Kennedy | Richard | Huawei France | x | x |
| Pirhonen | Riku | NXP Semiconductors | x | x |
| Scott | Andy | NCTA | x | x |
| Sommansson | Magnus | Qualcomm | x |  |
| Ward | Lisa | Rohde & Schwarz | x | x |