IEEE 802.18

Radio Regulatory-TAG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 14 May 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, 14 May 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **14may** | **07may** | **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** |
| Auluck | | Vijay | Self Employed | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** |
| Berens | | Friedbert | FBConsulting Sarl |  |  |  |  |  |  | **x** | **x** | **x** |
| Boldy | | David | Broadcom |  |  |  | **x** |  | **x** |  |  |  |
| de Vegt | | Rolf | Qualcomm Incorporated |  | **x** |  |  |  |  |  |  |  |
| Ecclesine | | Peter | Cisco Systems, Inc. | **x** |  | **x** | **x** | **x** |  |  |  |  |
| Fang | | Yonggang | ZTE TX Inc | **x** | **x** | **x** | **x** | **x** | **x** |  |  |  |
| Harrington | | Tim | Pro ID & UWB Alliance | **x** |  | **x** | **x** | **x** | **early** |  |  |  |
| Holcomb | | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | | Tim | FutureWei | **x** | **x** |  | **x** | **x** |  |  |  |  |
| Jones | Vincent Knowles IV | | Qualcomm Incorporated |  | **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** |  |
| Kerry | | Stuart | Ruckus/CommScope | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lepp | | James | BlackBerry |  |  | **x** |  |  | **x** |  |  |  |
| Lynch | | Mike | MJLynch Assoc | **x** | **x** | **x** | **x** | **x** | **x** |  |  |  |
| Nikolich(lmsc) | | Paul | Self and others | x | x | x |  | x | x |  |  |  |
| Rolfe | | Ben | Blind Creek Assoc. & UWB All. | **x** |  |  |  |  |  |  |  |  |
| Sarris | | Ioannis | u-blox |  |  |  |  |  | **x** |  |  |  |
| Stanley (lmsc) | | Dorothy | HPE | **x** | **x** |  |  | **x** | **x** |  |  |  |
| Yaghoobi | | Hassan | Intel Corporation | **x** | **x** | **x** | **x** |  |  |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **14may** | **07may** | **30apr** | **23apr** | **16apr** | **09apr** | **08apr** | **07apr** | **06apr** |
| Andersdotter | Amelia | Self | **x** | **x** |  |  |  |  | **x** | **x** | **x** |
| Au | Edward | Huawei | **x** | **x** | **x** | **x** | **x** | **x** |  |  |  | |
| D’Ambrosia | John | FutureWei | **x** |  |  |  |  |  |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** | |
| Roy | Dick | Self |  |  |  |  |  | **x** |  | **x** | **x** | |
| Schiessl | Sebastian | u-blox | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | |
| Lisa | Ward | Rohde&Schwarz |  | **x** | **x** | **x** |  | **x** |  |  |  | |

Chair calls the meeting to order at 15:03 ET.

1. Chair presents slides 2 – 6 of 802.18-20/0080r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0080r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes:
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. APAC status
      4. ACMA 5-year spectrum outlook
      5. FCC FNPRM on 6 GHz
      6. General Discussion Items
   5. Actions required
      1. ACMA FYSO contribution text for comments
      2. FCC FNPRM on 6 GHz, anything for IEEE 802
      3. 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: Stuart Kerry (Ruckus/CommScope)

Seconded by: Ben Rolfe (Blindcreek Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 07 May 2020 in document <https://mentor.ieee.org/802.18/dcn/20/18-20-0078-00-0000-minutes-07may20-rrtag-teleconference.docx> 08-May-2020 13:51:09 ET, with editorial privilege for the .80218 chair.)

Moved by: Vijay Auluck (Self)

Seconded by: Stuart Kerry (Ruckus/CommScope)

Discussion? None

Vote: Approved by unanimous consent

1. Chair presents slides 9-10-12, EU items to share
   1. **CEPT – ECC** [<FM57>](https://cept.org/ecc/groups/ecc/wg-fm/fm-57/client/introduction/) **next meeting #10, 12-15May20, online only**
      1. Calls all week, 60 folks on calls from all the industries and regulatory bodies.
      2. Troubles to get to agreement on Report B by tomorrow, so may end up going to next week.
      3. Many opposing viewpoints, e.g. on urban rail (in 5 countries, but not many kilometers)
      4. Proposal on LPI 2 stages to set up connection. 1) country determination up front then 2) check data base and what is permitted. (This is different from FCC…)
      5. Once report B is done, then to WGFM later in May (with numbers in [] that will still need to be decided on further up the process), then public consultation, then to ECC.
2. **Chair presents slide1 11, ITU-R items to share**
   1. Working Party 5D, meeting “35e” will now be online from 23 June – 9 July 2020
3. Chair presents slide 12 **APAC status:**
4. **Every 2-month update:** 
   1. <https>[://mentor.ieee.org/802.18/dcn/20/18-20-0082-01-0000-apac-update-may-2020.pptx](https://mentor.ieee.org/802.18/dcn/20/18-20-0082-00-0000-apac-update-may-2020.pptx)
   2. **Every 2-month update:**
   3. [https://mentor.ieee.org/802.18/dcn/20/18-20-0082-01-0000-apac-update-may-2020.pptx](https://mentor.ieee.org/802.18/dcn/20/18-20-0082-00-0000-apac-update-may-2020.pptx)
   4. Very nice layout of the ACMA consultation IEEE 802 should review in more detail and will help if / what 802.18 does comments on.
   5. Question asked how to prioritize all the activities in APAC and can IEEE 802 be more pro-active.
      * Feedback was for the non-English regulatory bodies it has been/is difficult to respond to those (did not come up but with shorter time frames on many that adds to this difficulty)
      * For the more active regulatory bodies that use English IEEE 802 has been able to review and respond as appropriate to these. E.g. APT, ACMA(AU), RMS (NZ) and Singapore. These are some regulatory bodies that other counties in the region look to also.
        + This touches another input that some other organizations focus on regulatory bodies that make decisions quicker that could help or hurt a market.
      * It is not clear how to be more pro-active, e.g. to send these regulatory bodies info or IEEE 802 updates w/o them asking for it via a consultation e.g.
5. Chair present slide 13 **ACMA 5-year spectrum Outlook**
   1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0079-00-0000-acma-5year-spectrum-outlook-fys-2020-24.docx>
   2. The closing date for submissions is COB, Wednesday 24 June 2020.
      1. **Need to have .18 approval by Thursday 11 June 2020**.
   3. The ACMA invites comments on the draft FYSO 2020-–24 and on the following specific questions:
      1. What are the expected impacts of the COVID-19 pandemic on the short- and medium-term capacity of your industry?
      2. Do you have any feedback on the ACMA’s approach to its spectrum work program in the current environment? Do you have alternative proposals or priorities?
      3. Are there other technology developments or sources of spectrum demand that the ACMA should be aware of in considering spectrum management over the next five years?
      4. Do you have any other feedback on the ACMA’s plans for monitoring, initial investigation, preliminary replanning or replanning of bands?
      5. Do you have any comments about the ACMA’s approach to forward allocations?
      6. Could look at Sharing, LIPDs (6 GHz), WRC-19 1.16 and 1.2. See APAC update 18-20/0082r01 for great review of these points to consider.
6. Chair presents slide 14, **FCC R&O and FNPRM 6GHz**
   1. CHAIRMAN PAI PROPOSES NEW RULES FOR THE 6 GHz BAND, UNLEASHING 1,200 MEGAHERTZ FOR UNLICENSED USE News Release: [Docx](https://urldefense.proofpoint.com/v2/url?u=https-3A__docs.fcc.gov_public_attachments_DOC-2D363451A1.docx&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=qkYmo1P6XmH1YvH1UkP-tyoCfcURwF2UYPYmrj-ahdc&s=C2AkcvEPrUX932nUH8F7u7RFWhncPxXDubaY_WcjOgY&e=)
      1. If adopted, the draft Report and Order would authorize 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. An automated frequency coordination system would prevent standard power access points from operating where they could cause interference to incumbent services.
      2. Preceding:
      3. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
      4. FNPRM as approved on 24 Apr 20 is on Mentor:
      5. <https://mentor.ieee.org/802.18/dcn/20/18-20-0062-01-0000-fcc-r-o-fnprm-promoting-unlicensed-use-of-the-6ghz-band-et-18-295.docx>
      6. Anything for IEEE 802 as a whole to consider? \_\_\_\_\_\_\_\_\_
      7. Nothing brought up today
7. Chair presents slide 15, General discussion items
   1. None today
8. Chair presents slide 16, Actions required
   * **ACMA contribution text for comments from IEEE 802.**
   * **Review 6 GHz FNPRM, if anything for IEEE 802 as a whole to consider?**

* **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 slide17 Any Other Business
   1. 19 in attendance, 14 voters.
2. Chair presents slide 18, Adjourn
   1. **Next weekly teleconference (scheduled to 03sep): 21May20–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-15-0000-teleconference-call-in-info.pptx> (*or latest) (new – starting 14 May 20)*
         1. Or back up slide in this agenda.
      2. All late changes/cancellations will be sent out to the 802.18 list server.
      3. Now on the IEEE Webex teleconference calendar: <http://ieee802.org/802tele_calendar.html>
      4. And Overall schedule, works in progress: <http://ieee802.org/16/cal-temp.html>
   2. Adjourn:
      1. Any objection to Adjourn.
      2. None heard, Adjourn at 15:56et
   3. **The next face to face meeting is tbd. Note, Montreal in July is cancelled.**
   4. **Thank You**