IEEE 802.18

Radio Regulatory-TAG

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 28 Feb 19 | | | | |
| Name | Affiliation | Address | Phone | Email |
|  | | | | |
| Author(s): | | | | |
|  |  |  |  |  |
|  |  |  |  |  |
|  | | | | |
| 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, 28 Feb 19

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **10Jan** | **28Jan** | **31Jan** | **06Feb** | **07Feb** | **13Feb** | **14Feb** | **21Feb** | **28Feb** |
| Auluck | Vijay | Self Employed |  | **X** |  |  |  | **X** | **X** |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. | **X** | **X** | **X** |  | **X** | **X** | **X** | **X** | **X** |
| Harrington | Timothy | Pro-ID Consulting |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Jeffries | Timothy | Huawei Technologies |  |  |  |  |  |  |  |  |  |
| Kain | Carl | Noblis Inc. |  | **X** | **X** |  | **X** |  |  |  |  |
| Kennedy | Richard | Self |  |  | **X** |  |  |  |  |  |  |
| Kerry | Stuart | ARRIS/Ruckus | **X** |  |  |  | **X** | **X** | **X** | **X** |  |
| Lansford | James | Qualcomm |  |  |  |  |  |  |  |  |  |
| Lepp | James | BlackBerry | **X** | **X** | **X** |  | **X** |  | **X** | **X** | **X** |
| Lynch | Mike | MJLynch Assoc | **X** |  | **X** |  | **X** |  |  | **X** | **X** |
| Notor | John | Notor Research |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **X** |  | **X** |  | **X** |  |  | **X** |  |
| Verso | Billy | DecaWave | **X** |  |  |  |  |  |  |  |  |
| Zhu | Chunhui | Huawei Technologies |  |  |  |  |  |  |  |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **10Jan** | **28Jan** | **31Jan** | **06Feb** | **07Feb** | **13Feb** | **14Feb** | **21Feb** | **28Feb** |
| Boldy | David | Broadcom |  |  |  |  |  |  |  |  |  |
| Cook | Charles | Windstream Communications |  |  |  |  |  |  |  |  |  |
| Fischer | Michael | NXP Semiconductors |  | **X** | **X** | **X** | **X** | **X** | **X** |  |  |
| Hamilton | Mark | ARRIS/ Ruckus |  |  |  |  |  |  |  |  |  |
| Hervieu | Lilli | CableLabs |  |  |  |  |  |  |  |  |  |
| Kenney | John | Toyota ITC | **X** | **X** | **X** |  |  | **X** | **X** | **X** | **X** |
| Levy | Joeseph | Interdigital |  |  |  |  |  |  | **X** | **X** | **X** |
| Nejatian | Alireza | Ericsson |  |  | **X** |  | **X** |  |  | **X** | **X** |
| Rajkotia | Purva | IEEE Staff |  |  | **X** |  |  |  |  |  |  |
| Rison | Mark | Samsung |  |  |  |  |  |  | **X** |  |  |
| Rolfe | Ben | Blind Creek Assoc. and UWB Alliance | **X** |  | **X** |  | **X** |  |  |  |  |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/0025r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0025r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Need a recording secretary, Peter Ecclesine (Thank You)
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. FCC open meeting, 15 March
      3. Fellowship Tutorial review
      4. FCC NPRM 18-295
      5. General Discussion Items
         1. U.S. DoT comment status
         2. ACMA comment status
         3. 5GAA claims their test report incorrec
   5. Actions required
      1. And anything new from today
   6. AOB and Adjourn
3. Chair presents slide 6, Administrative – Motions and more
   1. The Chair noted an RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help?**
   2. **Motion: To approve the agenda as presented on previous slide**
      1. Moved by: Peter Ecclesine (Cisco)
      2. Seconded by: James Lepp (Blackberry)
      3. Discussion? None
      4. Vote: Unanimous consent
   3. **Motion: To approve the minutes from the IEEE 802.18 teleconference 21 February 2019 in document:** [**https://mentor.ieee.org/802.18/dcn/19/18-19-0024-00-0000-minutes-21feb19-rrtag-teleconference.docx**](https://mentor.ieee.org/802.18/dcn/19/18-19-0024-00-0000-minutes-21feb19-rrtag-teleconference.docx) **Posted: 22-Feb-2019 08:08:54 ET**
      1. Moved by: Jay Holcomb (Itron)
      2. Seconded by: James Lepp (Blackberry)
      3. Discussion? None
      4. Vote: Unanimous consent
4. Chair presents slides 7-8, EU Items to share
   1. **ETSI –** [<BRAN>](https://portal.etsi.org/tb.aspx?tbid=287&SubTB=287) **next meeting #101, 25-28 Feb, Sophia Antipolis** 
      1. Meeting #101 just finished with TN 301631 on 6 GHz approved for publication.
      2. Adaptivity discussions continue, how much detail is really needed?
      3. BRAN responded to liaison from IEEE 802.11 about the July meeting. It is BRAN doc (19) 101-037r1. Some detail in the response. Should be in 802.11 private area next week.
   2. **ETSI - ERM -** [<TG-11>](https://portal.etsi.org/tb.aspx?tbid=442&SubTB=442) **next meeting #55, 08-11 Apr, Sophia Antipolis**
      1. April #55 cancelled; 2 web meetings were setup instead. F2F now 27-28 June - or in July, tbd.
      2. 09 Apr – call on Rx requirements
      3. 11 Apr – call on SRDoc on 2.4 GHz WBDS
      4. These are to work on response to consultants.
   3. **CEPT – ECC** [<SE45>](https://cept.org/ecc/groups/ecc/wg-se/se-45/client/introduction/) **next meeting #7, 24-25 Apr, Copenhagen**
      1. ECC Report 302 is in public consultation, its due date confirmed on 01 April.
5. Chair presents slide 9, FCC open meeting, 15 March.
   1. **Spectrum Horizons**
      1. The Commission will consider a [First Report and Order](https://www.fcc.gov/document/promoting-innovation-spectrum-horizons-airwaves) that would adopt rules to make available 21.2 GHz of spectrum above 95 GHz for unlicensed operations and create a new class of experimental licenses for the 95 GHz to 3 THz spectrum range. (ET Docket No. 18-21; RM-11795)
      2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0027-00-0000-draft-first-r-o-18-21-spectrum-horizons-95-ghz.pdf>
      3. Since this is a R&O, it is informative for us.
   2. **Expanding Broadband to the 900 MHz Band**
      1. The Commission will consider a [Notice of Proposed Rulemaking](https://www.fcc.gov/document/expanding-broadband-900-mhz-band) that would propose to reconfigure the 900 MHz band to create a broadband segment to facilitate technologies and services for a wide variety of businesses, including critical infrastructure, as well as seek comment on various transition mechanisms to achieve this goal. (WT Docket No. 17-200)
      2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0028-00-0000-draft-nprm-17-200-expanding-broadband-to-896-935-mhz.pdf>
      3. This is for the 896-901/935-940MHz land mobile licenses band today, so not sure what our interests are.
6. Chair presents slide 10, Fellowship Tutorial
   1. The chair pages through an early draft built from last years and clarified a couple of points, including:
      1. Yes, should look at updating the GDP country ranking and it ETSI, FCC or other focused.
      2. And the info on the spectrum crunch is now out dated, so will review that more if could we add something else.
7. Chair presents slide 11, FCC NPRM 18-295, 6 GHz
   1. Comments: <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-295&sort=date_disseminated,DESC>
   2. Reply comments due 18 March.
   3. **There are 112 entities, into 88 unique filings, 1500+… pages**
   4. Nothing reported other than other interests are working hard due to short time frame.
   5. The chair will move this to general discussion items moving forward.
8. Chair present slide 12 General Discussion Items.
   1. U.S. DoT Releases RFC on V2x Communications
      1. Comments:<https://www.regulations.gov/document?D=DOT-OST-2018-0210-0001>
      2. Status of our comments: 1 of 133 on the DoT site. (date is 2/22)
   2. ACMA - Proposed updates to class licensing arrangements supporting 5G and other technology innovations
      1. [IFC 45/2018 Class licensing updates: Supporting 5G and other technology innovations](https://www.acma.gov.au/theACMA/class-licensing-updates-supporting-5g-and-other-technology-innovations)
      2. Status of our comments: Confirmation from their help line we are uploaded, though no comments posted yet.
   3. 5GAA claims their test report is incorrect.
      1. They announced their devices did not utilize receive antenna diversity...
         1. (no mention though the test report was for 10 MHz and they asked for 20 MHz.)
      2. But *they* say *their* conclusions are still valid... … …
9. Chair presents slide 13, Actions required
   1. Nothing at this time.
10. Chair presents slide 14, Any Other Business
    1. None heard
11. Chair presents slide 14, Adjourn
    1. Next teleconference: 07 March 2019 – 15:00 – <15:55 ET
       1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-11-0000-teleconference-call-in-info.pptx> (or latest)
       2. Note: If the call-in link doesn’t work send the Chair an email right away.
       3. All changes/cancellations will be sent out to the 802.18 list server.
    2. Adjourn:
       1. Agenda complete, any objection to Adjourn.
       2. None heard, Adjourn at 15:53 ET.
    3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802 11-15 March 19 the Plenary in the Hyatt Regency Vancouver and Fairmont Hotel Vancouver, Vancouver, BC, Canada
       1. Time slots, Tuesday AM2 and Thursday AM1
       2. Note: this Plenary has Fellowship attendees; Monday AM2 is the 802.18 tutorial for them.