IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 11 April 2019 | | | | |
| 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, 11 April 2019

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **13Feb** | **14Feb** | **21Feb** | **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** |
| Auluck | Vijay | Self Employed | **X** | **X** |  |  | **X** | **X** | **X** |  | **X** |
| Ecclesine | Peter | Cisco Systems, Inc. | **X** | **X** | **X** | **X** | **X** | **X** |  | **X** | **X** |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  | **X** |  |
| Holcomb | Jay | Itron Inc. | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** | **X** |
| Kain | Carl | Noblis Inc. |  |  |  |  |  |  |  |  |  |
| Kennedy | Richard | Self |  |  |  |  |  |  |  |  |  |
| Kerry | Stuart | ARRIS/Ruckus | **X** | **X** | **X** |  | **X** |  | **X** | **X** |  |
| Lepp | James | BlackBerry |  | **X** | **X** | **X** | **X** |  |  |  |  |
| Lynch | Mike | MJLynch Assoc |  |  | **X** | **X** |  |  | **X** | **X** | **X** |
| Nejatian | Alireza | Ericsson | **-** | **-** | **-** | **-** | **-** |  |  | **X** |  |
| Salazar | Ruben | Landis Gyr Group WW |  |  |  |  |  |  | **X** |  |  |
| Yaghoobi | Hassan | Intel Corporation |  |  | **X** |  |  |  | **X** | **X** |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **13Feb** | **14Feb** | **21Feb** | **28Feb** | **07Mar** | **21Mar** | **28Mar** | **04Apr** | **11Apr** |
| Awasthi | Antriksh | **Ericsson** |  |  |  |  |  |  |  |  | **X** |
| Fischer | Michael | NXP Semiconductors | **X** | **X** |  |  |  |  |  |  |  |
| Hamilton | Mark | Ruuckus |  |  |  |  |  | **X** |  |  |  |
| Kenney | John (nv) | Toyota ITC | **X** | **X** | **X** | **X** |  | **X** |  |  | **X** |
| Levy | Joeseph | Interdigital |  | **X** | **X** | **X** |  |  | **X** |  |  |
| Nejatian | Alireza | Ericsson |  |  | **X** | **X** |  | **-** | **-** |  |  |
| Rajkotia | Purva | IEEE Staff |  |  |  |  |  |  |  |  |  |
| Rison | Mark | Samsung |  | **X** |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. and UWB Alliance |  |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2, 3, and 4 of 802.18-19/049r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 5, of 802.18-19/0049r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Need a recording secretary, Peter Ecclesine (Cisco)
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ACMA 5-year outlook
      3. General Discussion Items
   5. Actions required
      1. ACMA comments possibly
      2. Anything new today
   6. AOB and Adjourn
3. Chair presents slide 6, Administrative – Motions and more
   1. **Motion: To approve the agenda as presented on previous slide**
      1. Moved by: Peter Ecclesine (Cisco))
      2. Seconded by: Vijay Auluck (Self))
      3. Discussion? None
      4. Vote: Unanimous consent
   2. **Motion: To approve the minutes from the IEEE 802.18 teleconference 04 April 2019 in document:** <https://mentor.ieee.org/802.18/dcn/19/18-19-0047-00-0000-minutes-04april19-rrtag-teleconference.docx> Posted: 05-Apr-2019 07:39:02 ET
      1. Moved by: Peter Ecclesine (Cisco)
      2. Seconded by: Jay Holcomb (Itron)
      3. Discussion? None
      4. Vote: Unanimous consent
   3. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help? no response**
4. Chair presents slides 7-8, EU Items to share
   1. Nothing of note this past week.
5. Chair presents slide 9, **ACMA 5 year Outlook**
   1. <https://www.acma.gov.au/theACMA/draft-five-year-spectrum-outlook-2019-23>
   2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0048-00-0000-acma-draft-five-year-spectrum-outlook-2019-23.docx>
   3. Comments due 16 May 2019 (to EC by 03 May – 3 weeks)
      1. 3.4–3.575 GHz band; 900 MHz (890–915 MHz and 935–960 MHz); 5.6 GHz (5600–5650 MHz); and more.
   4. There is some discussion on 5925MHz and above in Q2, Q4 and Q8.
   5. **Some possible points for comments**
      1. Are they doing enough to make the 6GHz spectrum usable?
         1. Talks to spectrum space apparatus license
         2. We would want them to align with FCC and EU, and not this proposed licensing.
      2. They are looking at an older version of VNI, this relates to Q2.
   6. Will continue to gather points and text for possible comments, though only have 2-3 calls to finalize.
   7. **As normal, any comment ready text really helps.**
6. Chair present slides 10-12 General Discussion Items.
   1. 5GAA respectfully requests that the Commission consider a forward-looking approach
      * 1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=18-357&sort=date_disseminated,DESC>
      1. **New ex parte, 05 April 2019: (includes the 03 April ex parte)** 
         1. <https://ecfsapi.fcc.gov/file/1040534706725/5GAA%20Ex%20Parte%20Notice%204.5.19.>[pdf](https://ecfsapi.fcc.gov/file/1040534706725/5GAA%20Ex%20Parte%20Notice%204.5.19.pdf)
         2. <https://mentor.ieee.org/802.18/dcn/19/18-19-0051-00-0000-5gaa-waiver-ex-parte-notice-4-5-19-fcc-gn-18-357.pdf>
      2. **At the end they propose to re-band 75MHz of the 5.9GHz ITS spectrum:**
         1. 5850-5855 5MHz Guard Band
         2. 5855-5865 10MHz 802.11 channel 172
         3. 5865-5905 40MHz for 5G-V2X
         4. 5905-5925 20MHz for LTE-V2X
      3. **We could respond to the 05 April ex parte, some points to consider**
         1. This is less DSRC bandwidth from original waiver, DSRC would be Chan. 172 only.
         2. Sharing in the band is not being accomplished as was one of the directives.
         3. Technology evolution does not work into this C-V2X approach
         4. How it affects the testing that the DoT has been doing and moving forward with.
         5. Note they want 4G and 5G in this.
   2. FCC NPRM Expanding Broadband to the 896/935 MHz pair
      1. Interest is not there to comment. Will drop this to focus on other needs.
7. Chair presents slide 13, Actions required
   1. **Review ACMA 5 Year outlook for possible comments, only a few weeks.**
   2. **Review the 5GAA ex partes and refine bullets and text on possible reply.**
8. Chair presents slide 14 Any Other Business
   1. **EU V2X – Delegated Act, regulation latest was published 13.3.2019.**
      1. The EC published a (ITS) delegated regulation in March, beginning a 60-day period when European Parliament could vote an objection. The Transportation Committee voted such an objection, and on April 17 the European Parliament will vote on the objection.
      2. 5GAA has been lobbying the EU parliament hard to not accept this regulation.
      3. If **anyone** can let the EU parliament know your concerns and opinion and to support the regulation in the short time till next Wednesday, please do.
      4. We could explain the role of NGV in evolution or they end up with a fragmented spectrum.
      5. The Delegated Act can be found at:
      6. Posted here: [https://ec.europa.eu/transport/themes/its/news/2019-03-13-c-its\_en](https://urldefense.proofpoint.com/v2/url?u=https-3A__ec.europa.eu_transport_themes_its_news_2019-2D03-2D13-2Dc-2Dits-5Fen&d=DwMFAg&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=xwsJSIpdkXphp9yJ6sqp09if5MQ270E-QdGhVHkUoT0&s=Hggugr9gepDP0oZRG_q47454KnvpFEZCsmrpdkapQJg&e=)
      7. And revised on Mentor from draft posted here in January:
      8. <https://mentor.ieee.org/802.18/dcn/19/18-19-0007-01-0000-european-commission-v2x-draft-law.pdf>
9. Chair presents slide 15, Adjourn
   1. Next teleconference: 18 April 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. 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 15:49 ET.
   3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 14 – 16 Wireless Interim in Atlanta, GA, USA at the Grand Hyatt in Buckhead
      1. Time slots, Tuesday AM2 and Thursday AM1