IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 11 Mar 20 | | | | |
| Name | Affiliation | Address | Phone | Email |
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|  |  |  |  |  |
|  | | | | |
| 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 Ad Hoc Telecon

These are the Minutes of the IEEE 802 RR-TAG Ad Hoc Telecon, Tuesday, 11 Mar 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** | **11feb** |
| Auluck | Vijay | Self Employed | **x** | **x** | **x** |  |  |  |  |  |  |
| Boldy | David | Broadcom |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  | **x** |  |  |  | **x** |  |
| Ecclesine | Peter | Cisco Systems, Inc. |  | **x** | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Fang | Yonggang | ZTE TX Inc |  | **x** | **x** |  | **x** |  |  |  |  |
| Harrington | Tim | Pro ID & UWB Alliance |  |  |  |  |  |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jeffries | Tim | FutureWei |  |  |  | **x** |  |  |  | **x** |  |
| Kain | Carl | Noblis, Inc. | **x** | **x** | **x** |  |  |  | **x** | **x** | **x** |
| Kenney | John | Toyota ITC | **x** | **x** | **x** | **x** | **x** | **x** |  |  |  |
| Kerry | Stuart | Ruckus/CommScope | **x** |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Lansford | Jim | Qualcomm |  |  |  |  |  |  | **x** |  |  |
| Lepp | James | BlackBerry |  |  | **x** | **x** | **x** |  | **x** | **x** | **x** |
| Lynch | Mike | MJLynch Assoc |  | **x** | **x** |  |  |  |  | **x** |  |
| Nikolich(lmsc) | Paul | Self and others |  |  | x | early | early | **x** |  |  |  |
| Palm | Stephen | Broadcom |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  | **x** |  |  |  | **x** |  |  | **x** |
| Salaszar | Ruben | Landis & Gyr |  |  |  | **x** |  |  |  |  |  |
| Sand | Stephen | DLR |  |  |  | **x** |  |  |  |  |  |
| Sarris | Ioannis | u-blox |  | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** |
| Shellhammer | Steve | Qualcomm |  |  | **x** |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  | **x** |  |  |  | **x** | **x** |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | | |
| **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | **13feb** | **11feb** | |
| Aboul-Magd | Osama | Huawei |  |  |  |  | **x** |  |  |  |  | |
| Au | Edward | Huawei |  |  |  |  |  |  |  | **x** |  | |
| Hamilton | Mark | Ruckus/CommScope |  |  |  |  |  |  |  | **x** |  | |
| Haskou | Abdullah | Interdigital | **x** |  |  |  |  |  | **x** |  |  | |
| Hervieu | Lili | Cable TV Labs |  |  |  | **x** |  |  |  | **x** |  | |
| Levy | Joseph | Interdigital |  |  | **x** | **x** | **x** | **x** | **x** | **x** | **x** | |
| Lisa | Ward | Rohde&Schwarz |  |  |  |  |  | **x** |  |  |  | |
| Roy | Dick | Self |  |  | **x** | **x** | **x** | **x** | **x** |  |  | |
| Schiessl | Sebastian | u-blox |  | **x** | **x** | **x** | **x** | **x** |  | **x** | | **x** |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  | **x** | |

Chair calls the meeting to order at 15:05 ET.

1. Chair presents slides 2 – 6 of 802.18-20/00\_\_\_r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/00\_\_\_\_r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Jay Holcomb
   3. Discussion items
      1. FCC 5.9 GHz FCC’s NPRM
      2. General Discussion Items
   4. Actions required
      1. FCC 5.9 GHz NPRM contributions
      2. Anything new today
   5. AOB and Adjourn
   6. Motion: Any objection to approving the agenda as presented? None heard.
      1. Vote: Approved by unanimous consent
3. Chair presents slide 8-10, FCC NPRM on 5.9 GHz reply comments
4. **FCC NPRM on 5.9 GHz**
   1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-02-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx> **(🡺r**01**/02 Fed. Reg. some updates.)**
   2. <https://www.federalregister.gov/documents/2020/02/06/2020-02086/use-of-the-5850-5925-ghz-band>
   3. **Proceeding 19-138: (208 results morning of 27th)** 
      1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
      2. 389 filings at the end of yesterday / 10th.
   4. **Reply comments timeline due Monday 06 April**
      1. For ~~Friday EC close or~~ 10-day LMSC ballot, need to approve next Thursday, 19March.
   5. **Are there comments that have been seen we should consider reply comments on?** 
      1. A summary of the comments, is being worked but need contributions?
      2. A member has been through about 45 fillings so far.
      3. Most are Con comments to the NPRM/not in favor of the band split.
      4. 7 of 44 - are for splitting the un-licensed off. 37 want to maintain the ITS band.
         1. Many are tech. neutral, then split between DSRC / C-V2X / etc. after that.
      5. One was for a potential overlay.
      6. Potential direction:
         1. Stay away from band split, we are neutral , though a big point by many.
         2. OOB interference comments
         3. Maybe can respond to pro-C-V2X comments with our pro-DSRC.
            1. & respond to the band split issues (BMW and Qualcomm (5GAA probably there.))
         4. What about anti-DSRC (/IEEE) comments? This may be a priority.
            1. E.g. how does these compare to pro-C-V2X.
         5. Could download from ECFS spreadsheet with all comments, add 3 columns + notes for our review
            1. Pro/Con – NPRM/split – informative as we are neutral
            2. C-V2X / DSRC (DSRC/IEEE pro/con)
            3. OOBE commented or not
   6. **Remember from discussions in Irvine.**
      1. Focus on what we all can agree on, pass on what we don’t have agreement on.
      2. Neutral on the partitioning, e.g. 45MHz/30MHz split in the NPRM
      3. Use the migration from 802.11p to 802.11bd to our advantage and how it strengthens the future of ITS, e.g. compatibility etc.
      4. What ITS functions can be done in general unlicensed spectrum, so then IEEE 802.11 can be used throughout the entire band.
         1. Promote IEEE 802 as an open standard and update the standards terminology used.
   7. See agenda backup slides for details and some historical points already discussed.
5. Chair presents slide 11, FCC NPRM on 5.9 GHz reply comments-timeline.
   1. Proposed timeline
   2. Thursday – which comments to dig deeper into.
   3. Ad hoc Fri 13th - 3pm–et-2hr
      1. put the points/sections/outline together on our potential comments.
   4. Ad hoc Mon 16th - 3pm–et-2hr
      1. Core doc in place, by end of Monday, e.g. primary sections ID’d
   5. Ad hoc Tues 17th - 3pm–et-2hr
      1. Doc is coming together
   6. Ad hoc Wed 18th - 3pm–et-2hr
      1. need to finish reply comments for a clean version for Thursday vote.
   7. Normal 802.18 Thursday 19th is target for .18 approve
      1. Extremely fast read and vote.
   8. 20March, Friday – EC close will bring up on agenda –
      1. May not be able to vote on it, this is being worked on.
6. Chair presents slide 12, Actions required
   * **Reply comment contributions for FCC NPRM on 5.9 GHz.**
     + **Chair to send out call-in info for ad hoc calls**
7. Chair presents slide 13 Any Other Business
   1. Update .18 webpage
8. Chair presents slide 14, Adjourn
   1. **Next weekly teleconference (scheduled to 07May): 19Mar20–*15:00–<15:55* ET** 
      1. Call in info: <https://mentor.ieee.org/802.18/dcn/16/18-16-0038-14-0000-teleconference-call-in-info.pptx> (*or latest)*
      2. All late changes/cancellations will be sent out to the 802.18 list server.
   2. **Next ad hoc: Friday 13Mar20–*15:00–17:00* ET** 
      1. See backup slides for call ins
   3. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 16:09et
   4. **Thank You**