IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 13 Mar 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 Ad Hoc Telecon

These are the Minutes of the IEEE 802 RR-TAG Ad Hoc Telecon, Tuesday, 13 Mar 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **13mar** | **12mar** | **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** |
| Auluck | Vijay | Self Employed |  | **x** | **x** | **x** | **x** |  |  |  |  |
| Boldy | David | Broadcom |  |  |  | **x** | **x** | **x** | **x** | **x** | **x** |
| De Vegt | Rolf | Qualcomm |  |  |  |  |  | **x** |  |  |  |
| Ecclesine | Peter | Cisco Systems, Inc. |  | **x** |  | **x** | **x** | **x** | **x** |  | **x** |
| Fang | Yonggang | ZTE TX Inc |  | **x** |  | **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** |  |  |  |
| Kain | Carl | Noblis, Inc. | **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** |
| Lansford | Jim | Qualcomm |  |  |  |  |  |  |  |  | **x** |
| Lepp | James | BlackBerry |  | **x** |  |  | **x** | **x** | **x** |  | **x** |
| Lynch | Mike | MJLynch Assoc |  |  |  | **x** | **x** |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others | x | x |  |  | 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** |
| Shellhammer | Steve | Qualcomm |  |  |  |  | **x** |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE |  |  |  |  | **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** | | | | | | | | | |
| **13mar** | **12mar** | **11mar** | **05mar** | **27feb** | **20feb** | **19feb** | **18feb** | **14feb** | |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  |  | **x** |  |  | |
| Au | Edward | Huawei |  |  |  |  |  |  |  |  |  | |
| Hamilton | Mark | Ruckus/CommScope |  |  |  |  |  |  |  |  |  | |
| Haskou | Abdullah | Interdigital | **x** |  |  |  |  |  |  |  | **x** | |
| Hervieu | Lili | Cable TV Labs |  |  |  |  |  | **x** |  |  |  | |
| Levy | Joseph | Interdigital | **x** | **x** | **x** |  | **x** | **x** | **x** | **x** | **x** | |
| Lisa | Ward | Rohde&Schwarz |  | **x** |  |  |  |  |  | **x** |  | |
| Roy | Dick | Self |  |  |  |  | **x** | **x** | **x** | **x** | **x** | |
| Schiessl | Sebastian | u-blox |  |  |  | **x** | **x** | **x** | **x** | **x** | |  |
| Yucek | Tevfik | Qualcomm |  |  |  |  |  |  |  |  |  | |

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

1. Chair presents slides 2 – 6 of 802.18-20/0039r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0039r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Jay Holcomb (Itron)
   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** 
      1. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
      2. 390 filings at the end of yesterday / 12th.
   4. **Reply comments timeline due Monday 06 April**
      1. For Friday EC close or 10-day LMSC ballot,
         1. need to approve next Thursday, 19March in either case.
      2. From the 802 chair it is on the closing meeting agenda.
   5. **Are there comments that we should consider reply comments on? Need input from members.**
   6. **A summary of the comments has been done with focus on 3 points:** 
      1. Pro/Con/Neutral – Supportive of reallocation of 45 MHz from ITS to U-NII
      2. Pro/Con/Neutral - Commented on DSRC
      3. Yes/No - Discussed technical issues regarding OOBE
      4. <https://mentor.ieee.org/802.18/dcn/>[20/18-20-0038](https://mentor.ieee.org/802.18/dcn/20/18-20-0038)
      5. Initial feedback from the review of comments:
      6. 1) on the CONs on DSRC, can we find errors to point out and correct.
      7. 2) OOBE: 1) all okay (limited sources) 2) lots on interference 3) in-between
   7. **Would like to send to the .11 folks and ask for specific contributions for the reply comments.**
   8. **Potential direction for reply comments from earlier:** 
      1. Stay away from band split, we are neutral, though a big point by many.
      2. **What about anti-DSRC (/IEEE) comments? This may be a priority.** 
         1. With this respond to pro-C-V2X comments with our pro-DSRC.
      3. Should consider “fit for purpose” and can support other commenters with this. We should be able to do this and stay away from band split.
      4. Any other points we should consider in our reply comments? need input from members.
   9. **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.
5. Chair presents slide 11, FCC NPRM on 5.9 GHz reply comments-timeline.
   1. Proposed timeline
   2. Ad hoc Fri 13th - 3pm–et-2hr
      1. put the points/sections/outline together on our potential comments.
   3. Ad hoc Mon 16th - 3pm–et-2hr
      1. Core doc in place, by end of Monday, e.g. primary sections ID’d
   4. Ad hoc Tues 17th - 3pm–et-2hr
      1. Doc is coming together
   5. Ad hoc Wed 18th - 3pm–et-2hr
      1. need to finish reply comments for a clean version for Thursday vote.
   6. Normal 802.18 Thursday 19th is target for .18 approve
      1. Extremely fast read and vote.
   7. 20March, Friday – EC close will bring up on agenda –
6. Chair presents slide 12, Actions required
   1. **Are there NPRM comments that we should consider reply comments on? Need input from members.**
   2. **Any other points we should consider in our reply comments? need input from members.**
7. Chair presents slide 13 Any Other Business
   1. nothing heard
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: Monday 16Mar20–*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 16:57et
   4. **Thank You**