IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 23 Jan 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 Teleconference.

These are the Minutes of the IEEE 802 RR-TAG Teleconference, Thursday, 23 Jan 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **23jan** | **09jan** | **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** |
| Auluck | Vijay | Self Employed |  | **x** | **x** |  |  | **x** | **x** | **x** | **x** |
| Ecclesine | Peter | Cisco Systems, Inc. |  | **x** |  |  | **x** | **x** |  |  | **x** |
| Harrington | Tim | Pro ID & UWB Alliance |  | **x** |  |  | **x** |  |  |  |  |
| Holcomb | Jay | Itron Inc. | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** | **x** |
| Jefferies | Tim | FutureWei | **x** |  |  |  | **x** |  |  |  |  |
| Kain | Carl | Noblis, Inc. | **x** | **x** |  |  | **x** | **x** | **x** |  |  |
| Kenney | John | Toyota ITC | **x** | **x** |  |  | **x** | **x** | **x** |  | **x** |
| Kerry | Stuart | Ruckus/ | **x** |  |  |  |  |  |  |  | **x** |
| Lansford | Jim | Qualcomm |  |  |  |  |  | **x** |  |  |  |
| Lepp | James | BlackBerry | **x** | **x** |  |  | **x** | **x** |  | **x** |  |
| Lynch | Mike | MJLynch Assoc |  | **x** | **x** | **x** | **x** |  | **x** | **x** |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  |  |  |  |
| Palm | Stephen | Broadcom | **x** |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. |  |  | **x** | **x** | **x** | **x** | **x** | **x** |  |
| Sarris | Ioannis | u-blox | **x** |  |  |  |  |  | **x** |  |  |
| Stanley (lmsc) | Dorothy | HPE | **x** |  | **x** |  | **x** | **x** |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** | **x** | **x** |  | **x** | **x** | **x** |  |  |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **23jan** | **09jan** | **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** |
| Aboul-Magd | Osama | Huawei |  |  |  |  |  |  |  | **early** |  |
| Au | Edward | Huawei |  |  | **x** | **x** |  | **x** |  | **x** |  |
| Hervieu | Lili | Cable TV Labs |  |  |  |  | **x** |  | **x** |  |  |
| Levy | Joseph | Interdigital | **x** | **x** | **x** |  | **x** |  | **x** | **x** |  |
| Lisa | Ward | Rohde&Schwarz |  | **x** |  |  |  |  |  |  |  |
| Perkins | Richard | Qorvo |  |  |  |  | **x** |  |  |  |  |
| Yucek | Tevfik | Qualcomm |  |  |  |  | **x** |  |  |  |  |
| User 4 |  |  | **x** |  |  |  |  |  |  |  |  |

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

1. Chair presents slides 2 – 6 of 802.18-20/0007r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-20/0007r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Jay
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. FCC 5.9 GHz FCC’s NPRM
      4. General Discussion Items
   5. Actions required
      1. FCC 5.9 GHz NPRM contributions
      2. Anything new today
      3. Later: WRC-xx Agenda Items, interest to IEEE 802
   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: Stephen Palm (Broadcom))

Seconded by: Hassan Yaghoobi (Inte)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 09 Jan 2020 in document [https://mentor.ieee.org/802.18/dcn/20/18-20-0002-00-0000-minutes-09jan20-rrtag-teleconference.docx](https://mentor.ieee.org/802.18/dcn/19/18-19-0165-00-0000-minutes-26dec19-rrtag-teleconference.docx) 10-Jan-2020 00:00:36 ET

Moved by: \_\_\_\_\_\_Tim Jefferies (FutureWei))

Seconded by: Stephen Palm (Broadcom))

Discussion? None

Vote: Approved by unanimous consent

* 1. The Chair noted the RR-TAG is in need of a vice-chair and secretary**, is there anyone that can help?** nothing heard

1. Chair presents slides 9-10, EU items to share
   1. Nothing shared
2. Chair presents slide 11, ITU-R items to share
   1. Nothing shared.
3. Chair presents slide 12-19, FCC’s 5.9 GHz NPRM
   1. **The NPRM: <<= new OOBE was updated some from the draft.**
   2. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0163-00-0000-fcc19-138-nprm-revisiting-use-of-the-5-850-5-925-ghz-band.docx>
   3. **Proceeding 19-138:**
   4. <https://www.fcc.gov/ecfs/search/filings?proceedings_name=19-138&sort=date_disseminated,DESC>
   5. News this morning from FCC Chairman Pai, a V2X deployment under an experimental license:
      1. <https://www.fcc.gov/document/chairman-pai-statement-announcement-new-c-v2x-deployment>
      2. “Today’s C-V2X deployment announcement was only made possible through an experimental license. That’s because the current rules governing the 5.9 GHz band lock us into DSRC, a technology authorized by the FCC more than twenty years ago that has never been widely deployed. …”
   6. News at this meeting from US House Committee on Transportation:
      1. <https://transportation.house.gov/imo/media/doc/2020-01-22%20Full%20TI%20Letter%20to%20FCC.pdf>
      2. "DOT has significant concerns with the Commission's proposal, which represents a major shift in the FCC's regulation of the 5.9 GHz Band and jeopardizes the significant transportation safety benefits that the allocation of this Band was meant to foster.“ and the Committee concurs.
      3. Additionally, the Committee understands that the FCC has been sitting on approximately 500 applications for DSRC Roadside Unit licenses.
   7. Will review latest updates to the working draft comments (from 802.11bd)
   8. <https://mentor.ieee.org/802.11/dcn/20/11-20-0104>
   9. Latest revision is Rev09
   10. Reviewed section 3.1 that talks to the full 75 MHz.
       1. Much discussion on how to approach the full 75 MHz.
       2. Last week at the wireless interim, it was decided to be silent on the partitioning of the 75 MHz and focus on areas that there is agreement on.
       3. It was noted any new technology has issues, and we could push IEEE 802 (as a whole) works here.
       4. E.g. can we stress the forward compatibility with IEEE stds. This is included in part of the 4 points discussed on terminology at the wireless interim.
       5. Comment was made FCC actions are delaying the overall deployment, but do we want to go here? We should focus on other points first.
   11. Next week will discuss if we have some ad hocs in-between the weekly teleconferences.
   12. See agenda later slides for details and some historical points already discussed.
4. Chair presents slide 20-21, General discussion items
   1. Ofcom consultation on on Improving spectrum access for Wi-Fi
      1. <https://mentor.ieee.org/802.18/dcn/20/18-20-0006-00-0000-ofcom-consultation-improving-spectrum-access-for-wi-fi.pdf>
      2. Comments due 20 March 2020. (would need .18 approval 05 March.)
      3. Based on our initial analysis and stakeholder engagement, we are proposing the following:
      4. To permit access to the 6 GHz (5925-6425 MHz) band on a licence-exempt basis with maximum EIRP levels of 250mW for indoor use and 25mW for outdoor use; and
      5. To remove the DFS requirements from the 5.8 GHz (5725-5850 MHz) band for unlicensed indoor use only.
   2. **FCC Proposed Rule: Facilitating Shared Use in the 3.1-3.55 GHz Band**
      1. FR Document: [2020-00535](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_documents_2020_01_22_2020-2D00535_facilitating-2Dshared-2Duse-2Din-2Dthe-2D31-2D355-2Dghz-2Dband-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=L4rBLt5nL8YRQFyOUM3ZwMCT3GnzGmloJHJbdXJdKD8&s=wsxacKjRSUvRWKBXIje6_I98IPT_2-adrCD0jINevhc&e=) Citation: 85 FR 3579 [PDF](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.govinfo.gov_content_pkg_FR-2D2020-2D01-2D22_pdf_2020-2D00535.pdf-3Futm-5Fmedium-3Demail-26utm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=L4rBLt5nL8YRQFyOUM3ZwMCT3GnzGmloJHJbdXJdKD8&s=CFdnTGivf3c_PCudhHk0qFQiAbIe-P8rwCHjNfENJvs&e=)
      2. Pages 3579-3586 *(8 pages)* [Permalink](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_d_2020-2D00535-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=L4rBLt5nL8YRQFyOUM3ZwMCT3GnzGmloJHJbdXJdKD8&s=Z6qzykLNw7DdnVkq1GORW0ZMseQH_QnEBV6K9yVhyjQ&e=)

Abstract: In this document, a Notice of Proposed Rulemaking (NPRM) proposes to remove the existing non-federal secondary radiolocation and amateur allocations in the 3.3-3.55 GHz band and to relocate incumbent non-federal operations out of the band, in order to prepare the band for possible expanded commercial wireless use. Specifically, the NPRM would eliminate the non-federal radiolocation services allocation in the 3.3-3.55 GHz band and the non-federal amateur allocation in the 3.3-3.5 GHz band....

1. Chair presents slide 22, Actions required
   * **Comment Contributions for 5.9 GHz NPRM**
   1. Soon (after 5.9 GHz):

* **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 slide 23 Any Other Business
   1. None Heard
2. Chair presents slide 24, Adjourn
   1. Next teleconference: 30Jan2020 – 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 listserver.
   2. Adjourn:
      1. Agenda complete, any objection to Adjourn.
      2. None heard, Adjourn at 15:58 ET.
   3. Next Plenary:
   4. The next face to face meeting (after next week) of the 802.18 RR-TAG will be at the IEEE 802, 15-20 March 2020 Plenary in Hilton Atlanta, Atlanta, GA, USA
   5. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start)–remember no reciprocal from other WGs
   6. **Thank You**