IEEE 802.18

Radio Regulatory-TAG

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| Radio Regulatory Technical Advisory Group Minutes | | | | |
| Date: 02 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, 02 Jan 20

**Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** | **17oct** |
| Auluck | Vijay | Self Employed | **x** |  |  | **x** | **x** | **x** | **x** | **x** |  |
| Ecclesine | Peter | Cisco Systems, Inc. |  |  | **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** |
| Jefferies | Tim | FutureWei |  |  | **x** |  |  |  |  |  |  |
| Kain | Carl | Noblis, Inc. |  |  | **x** | **x** | **x** |  |  |  |  |
| Kenney | John | Toyota ITC |  |  | **x** | **x** | **x** |  | **x** |  |  |
| Kerry | Stuart | Ruckus/ |  |  |  |  |  |  | **x** |  |  |
| Lansford | Jim | Qualcomm |  |  |  | **x** |  |  |  |  |  |
| Lepp | James | BlackBerry |  |  | **x** | **x** |  | **x** |  |  |  |
| Lynch | Mike | MJLynch Assoc | **x** | **x** | **x** |  | **x** | **x** |  | **x** | **x** |
| Mody | Apurva | AIRANACULUS |  |  |  |  |  |  |  |  |  |
| Nikolich(lmsc) | Paul | Self and others |  |  |  |  |  |  |  |  |  |
| Rolfe | Ben | Blind Creek Assoc. & UWB All. | **x** | **x** | **x** | **x** | **x** | **x** |  | **x** |  |
| Sarris | Ioannis | u-blox |  |  |  |  | **x** |  |  |  |  |
| Scott | Andy | NCTA |  |  |  |  |  |  |  |  |  |
| Stanley (lmsc) | Dorothy | HPE | **x** |  | **x** | **x** |  |  |  |  |  |
| Verso | Billy | DecaWave |  |  |  |  |  |  |  |  |  |
| Yaghoobi | Hassan | Intel Corporation | **x** |  | **x** | **x** | **x** |  |  |  | **x** |

**Non-Voters for this meeting:**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Last Name** | **First Name** | **Affiliation** | **Attendance** | | | | | | | | |
| **02jan** | **26dec** | **19dec** | **12dec** | **05dec** | **21nov** | **07nov** | **24oct** | **17oct** |
| 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** |
| Perkins | Richard | Qorvo |  |  | **x** |  |  |  |  |  |  |
| Yucek | Tevfik | Qualcomm |  |  | **x** |  |  |  |  |  |  |

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

1. Chair presents slides 2 – 6 of 802.18-19/0168r01, the call to order and administrative items
   1. Includes IEEE 802 meeting and participant’s guidelines and requirements.
2. Chair presents slides 7, of 802.18-19/0168r01, the agenda:
   1. Call to Order
   2. Administrative items
      1. Someone to take some notes: Chair.
   3. Approve agenda & last minutes
   4. Discussion items
      1. EU Items
      2. ITU-R Items
      3. Ofcom Consultation license exempt
      4. FCC 5.9 GHz FCC’s NPRM
      5. General Discussion Items
   5. Actions required
      1. FCC 5.9 GHz NPRM contributions
      2. Ofcom consultation comments
      3. Anything new today
      4. 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: Vijay Auluck (self))

Seconded by: Mike Lynch (MJLynch Assoc.)

Discussion? None

Vote: Approved by unanimous consent

* 1. **Motion:** To approve the minutes from the IEEE 802.18 Teleconference 26 Dec 2019 in document <https://mentor.ieee.org/802.18/dcn/19/18-19-0165-00-0000-minutes-26dec19-rrtag-teleconference.docx> 27-Dec-2019 11:12:55 ET

Moved by: Mike Lynch (MJLynch Assoc.)

Seconded by: Jay Holcomb (Itron)

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 slides 12-13, **Ofcom consultation license exempt**
   1. **Ofcom consultation on changes to the licence exemption for Wireless Telegraphy Devices; closing 17 Jan 20 (02jan for us).** [**<click here, long link>**](https://www.ofcom.org.uk/consultations-and-statements/category-3/proposal-changes-licence-exemption-wireless-telegraphy-devices?utm_medium=email&utm_campaign=Ofcom%20consults%20on%20new%20regulations%20for%20short%20range%20wireless%20devices&utm_content=Ofcom%20consults%20on%20new%20regulations%20for%20short%20range%20wireless%20devices+CID_3d9e647de99bfd4993b55510c88bf5d5&utm_source=updates&utm_term=published%20proposals)
      * 1. Mentor: <https://mentor.ieee.org/802.18/dcn/19/18-19-0160-00-0000-ofcom-consultation-exemptions-wireless-telegraphy.pdf>
        2. To implement the decision on SRD applications within the 874 to 876 and 915 to 921 MHz bands, we are proposing to make the Wireless Telegraphy (Exemption and Amendment) (Amendment) Regulations 2020 and to update the technical requirements for applications contained in UK Interface Requirement (IR 2030). Our proposal will allow several new SRD applications such as networked SRDs and advanced radio-frequency identification devices (RFIDs) to operate on a licence-exempt basis.
      1. Have received some inputs for possible filing:
         1. <https://mentor.ieee.org/802.18/dcn/>[19/18-19-0161-01-0000-ofcom-consultation-comments-ieee-802-exemptions-wireless-telegraphy.odt](https://mentor.ieee.org/802.18/dcn/19/18-19-0161-01-0000-ofcom-consultation-comments-ieee-802-exemptions-wireless-telegraphy.odt)
      2. Including to add 873 – 874.4 MHz with the 874-876 MHz band, seems it was missed in the consultation.
      3. Reviewed …r01 and with some discussion no edits. (needed to approve this week, 02jan at the latest)
      4. **Motion:** Move to approve the comments in [https://mentor.ieee.org/802.18/dcn/19/18-19-0161-02-0000-ofcom-consultation-comments-ieee-802-exemptions-wireless-telegraphy.odt](https://mentor.ieee.org/802.18/dcn/19/18-19-0161-00-0000-ofcom-consultation-comments-ieee-802-exemptions-wireless-telegraphy.odt) ; response to Ofcom on changes to the licence exemption for Wireless Telegraphy Devices. For review and approval by the EC for sending to the Ofcom before 15 January 2020. The Chair of 802.18 is authorized to make editorial changes as necessary.

**Moved by**: Ben Rolfe (Blind Creek Assoc.)

**Seconded by:**  Vijay Auluck (Self)

**Discussion?** none

**Vote:** \_6\_Y / \_0\_N / \_0\_A

**Voters:** Vijay, Dorothy, Hassan, Ben, Jay, Mike

**Motion -** Passes

8 on the call

1. Chair presents slide 14-20, 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. See agenda slides for details and some historical points already discussed.
   6. **Possible points to discuss next week (9th).**
      1. The OOBE/Interference statements in the NPRM.
      2. Points from filings on the record already?
   7. On this call some areas expanded upon:
      1. **Could we request all 30 MHz for DSRC, there are comments already asking for all 30MHz to C-V2X and no DSRC.** 
         1. We need to consider the political environment and where do we have a better chance to get spectrum?
         2. There was a previous requirement to be able to control all devices from one base, and the NPRM does not do well with that.
      2. **Back from earlier calls, what is better C-V2X or DSRC?**
         1. Seems C-V2X has gained momentum with many and getting their ear. How are they are doing that?
         2. Can we make a good technical argument, to overcome this trend we are hearing about, C-V2X….
      3. **We need to re-iterate what we have said in the past why DSRC works to meet the needs (as we question if C-V2X can).** 
         1. Can we go beyond what we have said before, and how 11bd with 20MHz is more advanced than 11p?
         2. However, there could be an issue with the 10 MHz safety channel.
         3. Is this something 11bd will be looking at?
      4. **It was brought up again, the general .11 Wi-Fi 45MHz and then DSRC.**
      5. **No one has seen anything from the DoT yet.** 
         1. Not sure what the mechanics are of what to watch for?
      6. **Action required: review filings on ECFS and report back next week points we should consider, beyond the seek comments.**
      7. **Another input that is out there:** [**https://ride.tech/self-driving/fcc-plan-could-stall-v2x-car-safety-revolution/**](https://ride.tech/self-driving/fcc-plan-could-stall-v2x-car-safety-revolution/)
      8. **Ad Hoc’s, next Tuesday (not for now), in Irvine, who, etc.?**
2. Chair presents slide 21, General discussion items
   1. **Rule; Bridging the Digital Divide for Low-Income Consumers**
      1. **FR Document:** [2019-27220](https://www.federalregister.gov/documents/2019/12/27/2019-27220/bridging-the-digital-divide-for-low-income-consumers?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email) **Citation:** 84 FR 71308
      2. [PDF](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.govinfo.gov_content_pkg_FR-2D2019-2D12-2D27_pdf_2019-2D27220.pdf-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=z04GUPXcGvBSDKIDaNcU0kvhXWzTBSzUqJhdkGCpW6o&s=BUs9MzPGwzUobctAnuaxr-45AhanxZQ_nNKdSVTh6U8&e=)Pages 71308-71329 (22 pages) [Permalink](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_d_2019-2D27220-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=z04GUPXcGvBSDKIDaNcU0kvhXWzTBSzUqJhdkGCpW6o&s=Dn1BUaomwASU659mzG4pXh898Bk0QQX-0xfzNvCpABk&e=)
      3. **Abstract:** In this document, the Federal Communications Commission (Commission) acts to restore the traditional role of states in the eligible telecommunications carrier (ETC) designation process. The Commission also acts to strengthen the Lifeline program's enrollment, recertification, and reimbursement processes so that limited Universal Service Fund (USF or Fund) dollars are directed only toward qualifying low-income consumers.
   2. **Proposed Rule; Bridging the Digital Divide for Low-Income Consumers**
      1. **FR Document:** [2019-27221](https://www.federalregister.gov/documents/2019/12/27/2019-27221/bridging-the-digital-divide-for-low-income-consumers?utm_campaign=subscription+mailing+list&utm_source=federalregister.gov&utm_medium=email) **Citation:** 84 FR 71338
      2. [PDF](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.govinfo.gov_content_pkg_FR-2D2019-2D12-2D27_pdf_2019-2D27221.pdf-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=z04GUPXcGvBSDKIDaNcU0kvhXWzTBSzUqJhdkGCpW6o&s=0zYDQg4u0mE6zzJdgrDi1NXH6PjQklWOcKEboDZDnww&e=)Pages 71338-71347 (10 pages [Permalink](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.federalregister.gov_d_2019-2D27221-3Futm-5Fcampaign-3Dsubscription-2Bmailing-2Blist-26utm-5Fsource-3Dfederalregister.gov-26utm-5Fmedium-3Demail&d=DwMFaQ&c=pqcuzKEN_84c78MOSc5_fw&r=z8R-nWJ8GIxwjOjNKhEFByb-tZ6XE3GZXWSggNdVo-w&m=z04GUPXcGvBSDKIDaNcU0kvhXWzTBSzUqJhdkGCpW6o&s=kellWLgd5Cboa_6PcLDDFANR1hLYOL3_Po3fm30MOuc&e=)
      3. **Abstract:** In this document, the Federal Communications Commission (Commission) seeks comment on adding a goal of broadband adoption to the Lifeline program, making additional program integrity improvements to the program, and establishing privacy training requirements for entities accessing Lifeline subscribers' personal information.
3. Chair presents slide 22, Actions required
   * **Contribution ideas for 5.9 GHz NPRM, maybe go through the Seek Comments and which ones could we focus on, and filings already on the record.**
   * **Chair start Ofcom LMSC ballot.**
   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. Nothing heard
2. Chair presents slide 24, Adjourn
   1. Next teleconference: 02Jan2020 – 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) *(this is new call in starting 09Jan)*
      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 15:53 ET.
   3. The next face to face meeting of the 802.18 RR-TAG will be at the IEEE 802, 12–17 Jan. 2019 Wireless Interim in the Hotel Irvine, Irvine, California, USA
   4. Normal time slots, Tuesday AM2 and Thursday AM1 (8:30 start) – remember no reciprocal from other WGs
   5. **Thank You**