IEEE P802.22 Wireless RANs

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| 2019 July Plenary IEEE 802.22 Working Group Minutes |
| Date: 2019-07-18 |
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**IEEE 802.22 Wireless Regional Area Networks**

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<[**http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf**](http://standards.ieee.org/guides/bylaws/sb-bylaws.pdf)>, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair Apurva N. Mody <**apurva.mody@ieee.org**> as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.22 Working Group. **If you have questions, contact the IEEE Patent Committee Administrator at <****patcom@ieee.org****>**.

Abstract

This document contains the minutes of the IEEE 802.22 Working Group 2019 July Plenary Meeting held in Vienna, Austria from July 14th to July 19th 2019.

**July 2019 Plenary Meeting Minutes**

**MINUTES**

##### 15th July Monday PM1 (WG Opening Plenary)

The WG chairman, Dr Apurva N. Mody called the meeting to order at 1:00 PM local time. There were 8 participants (6 were voting members) in the room at the opening of the session.

WG Chair announced that the meeting was in quorum. The Working Group Membership consist of 3 Members from 802.22 and 4 Ex-Officio Voters from the IEEE 802 Executive Committee.

**1.1 Approval of Agenda**

**The WG chair, explained agenda for the July Plenary Session.**

***Motion - Approval of Agenda***

Move to Approve the Agenda as shown in Document 22-19-0030 Rev1 with a request to review the Working Group Roster

<https://mentor.ieee.org/802.22/dcn/19/22-19-0030-01-0000-802-22-july-plenary-working-group-agenda.xls>

Move: Paul Nikolich

Second: Gianfranco Miele

For: 5

Against: 0

Abstain: 1

**Motion Passes**. Agenda is approved

**1.2 Approval of the minutes of the last session**

The minutes of the 802.22 May Interim 2019 WG Meeting can be found at:

<https://mentor.ieee.org/802.22/dcn/19/22-19-0025-00-0000-802-22-may-interim-working-group-meeting-minutes.docx>

***Motion - Approval of the Meeting Minutes***

Move to Approve the May 2019 Interim Meeting Minutes

<https://mentor.ieee.org/802.22/dcn/19/22-19-0025-00-0000-802-22-may-interim-working-group-meeting-minutes.docx>

Move: Paul Nikolich

Second: Gianfranco Miele

For: 5

Against: 0

Abstain: 1

**Motion Passes**

**2. Administrative Issues**

The WG Chair, reviewed the usual administrative slides on Patent Policy, Letter of Assurance, Anti-trust statement, IEEE code of ethics, etc. The WG Chair reminded everyone that the attendance recording is being done electronically as usual. The Chair of the Working Group asked if anyone was aware of any patents that were infringing on the 802.22 Standards. There were none.

**MOTION 1 – Motion to forward the 802.22 Draft 8.0 to RevCom**

802.22 Working Group Conditionally Approves sending P802.22 Revision Draft 8.0 to the IEEE RevCom as stated in the Clause 12 of the IEEE 802/LMSC Operational Manual.

Mover: Gianfranco Miele

Second: Geoff Thompson

Approve 5/ Disapprove 0/ Abstain 1

Motion Passes

**MOTION 2 – Motion to Confirm the 802.22 Revision CSD**

802.22 Working Group Confirms the CSD for the P802.22 Revision, as can be found in the following Document:

<https://mentor.ieee.org/802.22/dcn/19/22-19-0017-04-0000-802-22-revision-par-new-csd-5c.docx>

Mover: Paul Nikolich

Second: Gianfranco Miele

Approve 3 / Disapprove 0/ Abstain 1

Motion Passes

**MOTION 3 – Motion to Re-affirm the 802.22 PAR**

802.22 Working Group affirms the P802.22 Revision PAR.

<https://mentor.ieee.org/802.22/dcn/19/22-19-0023-00-0000-p802-22-revision-par.pdf>

Mover: Paul Nikolich

Second: Gianfranco Miele

Approve 3 / Disapprove 0/ Abstain 2

Motion Passes

***Motion for Approval to forward 802.22 Revision Draft 8.0 to SC6***

802.22 Working Group Approves the 802.22 Revision Draft 8.0 to be forwarded to ISO/IEC JTC/SC6 for information.

Move: Geoff Thompson

Second: Tim Godfrey

Approve 5/ Disapprove 1/ Abstain 1

**Motion Passes**.

***Motion for Approval to forward 802.22 Revision Project to ISO/IEC JTC/SC6 for adoption under the PSDO Agreement***

Approve submission of IEEE 802.22 Revision Project to ISO/IEC JTC/SC6 for adoption under the PSDO Agreement conditioned on approval by the IEEE SASB and conditioned on publication of the approved standard.

Move: Geoff Thompson

Second: Gianfranco Miele

Approve 2/ Disapprove 0/ Abstain 0

**Motion Passes**.

**IEEE 802.22 Working Group Policies and Procedures**

The procedure for hibernating a Working Group is described in “Hibernation of a Working Group” subclause of the IEEE 802 LMSC P&P [4]. Upon reactivation of a hibernated Working Group, if at least 50% of the most recent membership roster attends the plenary session where the Working Group is reactivated, the membership shall be comprised of that roster, and the normal rules for gaining and losing membership will apply. If less than 50% of the membership attends, the procedure for developing membership in a new Working Group shall be followed.

**LMSC P&P Clause 5.2.1**

**5.2.1 Hibernation of a WG**

A WG may be hibernated at the request of the WG Chair and the approval of the Sponsor. The hibernating WG may be returned to active status by the Sponsor in order for the WG to develop a new PAR.

Hibernating WG Chairs become Non-Voting Members of the Sponsor after their WG enters hibernation. The Sponsor Chair may appoint new hibernating WG Chairs to replace vacancies as soon as practical, subject to confirmation by the Sponsor at the next plenary meeting. A hibernating WG Chair of the Sponsor shall be recognized as a full member of the Sponsor, having all rights and meeting privileges except the right of voting on Sponsor motions.

***Motion to put 802.22 WG in Hibernation pending Sponsor Board Approval of the 802.22 Revision Standard.***

802.22 Working Group Conditionally Approves hibernating the 802.22 Working Group pending the Standards Board Approval of the 802.22 Revision and the provision of a list of experts.

Move: Paul Nikolich

Second: Bob Heile

Approve 6/ Disapprove 0/ Abstain 1

**Motion Passes**.

**Survey of the Location**

How many people loved going to Vienna? 7 / 8

How many people liked the Convention Center? 4/8

How many people would like to come back to Vienna again? 7/8

**Motion– Motion to adjourn**

Move to adjourn.

Move: Gianfranco Miele

Second: Geoff Thompson

Any objections.

**Motion Passes.**

The group was adjourned at 16:15 local time on Wednesday 17th July 2019.

**802.22 Attendance List**

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| [**SA PIN**](https://imat.ieee.org/802.22/attendance-summary?o=5a&b=2458318%2079199&d=2458684%2079199) | [**Name ▲**](https://imat.ieee.org/802.22/attendance-summary?o=0d&b=2458318%2079199&d=2458684%2079199) | **Current Involvement Level** | **Nov 2018** | **Mar 2019** | **May 2019** | **Jul 2019** |
| 101448 | ALMASHAKBEH, ALANSARI | Observer |  | [11%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=10144800001) |  |  |
| 22669 | Bims, Harry | Observer |  | [33%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=2266900001) | [200%](https://imat.ieee.org/802.22/breakout-attendance?p=2773900005&t=2266900001) | [100%](https://imat.ieee.org/802.22/breakout-attendance?p=2876200005&t=2266900001) |
| 100846 | Evans, Jeffrey | Observer |  | [111%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=10084600001) |  |  |
| 72708 | Fathy, Ramy | Observer |  | [11%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=7270800001) |  |  |
| 54827 | Godfrey, Tim | Observer |  | [11%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=5482700001) |  |  |
| 87266 | Hislop, Roger | Observer | [80%](https://imat.ieee.org/802.22/breakout-attendance?p=2390200005&t=8726600001) |  |  | [100%](https://imat.ieee.org/802.22/breakout-attendance?p=2876200005&t=8726600001) |
| 15014 | Holland, Oliver | Observer | [90%](https://imat.ieee.org/802.22/breakout-attendance?p=2390200005&t=1501400001) | [33%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=1501400001) | [100%](https://imat.ieee.org/802.22/breakout-attendance?p=2773900005&t=1501400001) |  |
| 26006 | Hwang, Sung Hyun | Voting Member |  | [22%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=2600600001) |  |  |
| 24144 | Kang, Hyunduk | Voting Member | [30%](https://imat.ieee.org/802.22/breakout-attendance?p=2390200005&t=2414400001) |  |  | [400%](https://imat.ieee.org/802.22/breakout-attendance?p=2876200005&t=2414400001) |
| 6113 | Lynch, Michael | Voting Member |  | [22%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=611300001) | [100%](https://imat.ieee.org/802.22/breakout-attendance?p=2773900005&t=611300001) |  |
| 101282 | Massawe, Erick | Observer |  | [11%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=10128200001) |  |  |
| 91065 | Miele, Gianfranco | Observer | [110%](https://imat.ieee.org/802.22/breakout-attendance?p=2390200005&t=9106500001) |  |  | [100%](https://imat.ieee.org/802.22/breakout-attendance?p=2876200005&t=9106500001) |
| 3751 | Mody, Apurva | Voting Member | [110%](https://imat.ieee.org/802.22/breakout-attendance?p=2390200005&t=375100001) | [89%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=375100001) | [400%](https://imat.ieee.org/802.22/breakout-attendance?p=2773900005&t=375100001) | [1100%](https://imat.ieee.org/802.22/breakout-attendance?p=2876200005&t=375100001) |
| 3256 | Nikolich, Paul | Voting Member |  |  | [200%](https://imat.ieee.org/802.22/breakout-attendance?p=2773900005&t=325600001) |  |
| 95422 | Weise, Constance | Observer |  | [11%](https://imat.ieee.org/802.22/breakout-attendance?p=2775300005&t=9542200001) |  |  |

**ANNEX**

**Working Group Contributions can be found at** [**https://mentor.ieee.org/802.22/documents**](https://mentor.ieee.org/802.22/documents)