IEEE P802.22  
Wireless RANs

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| 2014 January Interim Working Group Meeting Minutes for IEEE 802.22 | | | | |
| Date: 2014-01-25 | | | | |
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**IEEE 802.22**

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Abstract

This document contains the minutes of the IEEE 802.22 Working Group 2014 January Interim Meeting held in Los Angeles from 19th to 25th January 2014.

Wireless Regional Area Networks

**January 2014 Interim**

**MINUTES**

##### 20th Jan Monday PM1 (WG Opening Plenary)

WG chairman Dr Mody called the meeting to order at 1:30 PM EST. 12 participants including 9 voting members and the IEEE assistant were in the room at the opening of the session.

**1.1 Approval of Agenda**

**The WG chair explained agenda for the interim session in Los Angeles.**

***Motion - Approal of Agenda***

Move to Approve the Agenda as shown in Document 22-14-0011 Rev0

(https://mentor.ieee.org/802.22/dcn/14/22-14-0011-00-0000-ieee-802-22-wg-january-interim-agenda.xls)

Move: Apurva Mody

Second: Chunyi Song

For: 9

Against: 0

Abstain: 0

**Motion Passes**. Agenda is approved

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

The minutes of the 802.22 November Plenary Meeting Minute can be found at:

https://mentor.ieee.org/802.22/dcn/14/22-14-0010-00-0000-meeting-minutes-of-ieee-802-22-wg-november-plenary-dallas.docx

***Motion- Approval of Minute***

Move to Approve the 802.22 working group November Plenary meeting minute at Dallas as shown in Document 22-14-0010Rev0

(https://mentor.ieee.org/802.22/dcn/14/22-14-0010-00-0000-meeting-minutes-of-ieee-802-22-wg-november-plenary-dallas.docx)

Move: Apurva Mody

Second: Chang-woo Pyo

For: 9

Against: 0

Abstain: 0

**Motion Passes**. Minute is approved

**2. Regulatory Issues and WG activities**

Some ongoing situation on regulatory issues occured in USA was introduced by the WG chair.

Some WG activities such as participating in workshops organized by friend organizations were introduced by WG chair.

**3. Administrative Issues**

WG Chair reviewed the usual administrative slides on Patent Policy, Letter of Assurance, etc.

WG Chair reminded everyone that the attendance recording is being done electronically as usual.

**4. Reports from external and internal liaisons and Ad Hoc Groups**

Between 802.22 to/from 802.18

Between 802.22 to/from 802.19: 802.19.1 draft standard achieved >75% supporting ratio in their sponsor ballot and the TG is expected to resolve comments received in the sponsor ballot.

Between 802.22 to/from 802.15: 802.15.4m and 4k are going to finish soon.

Report from IEEE 802.22a was made by Dr.Mody: the draft standard has been submitte to RevCom for final permission and is expected to be allowed for publication in March 2014.

Report from IEEE 802.22b was made by Dr. Pyo: comment resolutions were carried out in teleconference since last November plenary session and the task group targets at resolving more than half of the total around 120 technical comments during this face-to-face meeting.

Field tests were carried out by Hitachi Kokusai for their made prototype, Dr. Toh from Hitachi Kokusai gave the very brief introduction to the test and details will be introduced in a later session.

**5. Concern to information recorded in ITU report**

The WG chair raised his concern to information recorded in ITU AGENDA ITEM 1.1: "Regarding the US position, they submitted a contribution to the group asking to add 470-698 as a potential cnadidate band (for mobile service on a primary basis)."

IEEE 802 chair Paul Nikolich confirmed with Dr.Mody some issues such as who are going to deal with the issues as representative of 802 .

**6. 802.22 Revision PAR and 5C**

802.22 Revision PAR was deferred and the WG will continue negotiating with the related parties and revising the PAR.

Cooments from the other 802 WG are reviewed.

Dr. Mody confirmed with 802 chair Paul Nikolich regarding the time of starting to use the updated 5C format.

**7. The meeting was recessed at 15:30 PM.**

##### 22nd Jan Wednesday AM1

1. The meeting was called to order by Chair Dr Mody at 8:30 AM.

2. 12 participants were in the meeting room.

3. Chair reminded everyone to mark attendance.

4. “FBMC for TVWS” (22-14-0012-Rev0) was presented for discussion by Dominique Noguet.

5.The meeting was recessed at 10:00 AM.

##### 22ndJan Wednesday AM2

1. The meeting was called to order by Chair Dr Mody at 10:30 AM.

2. 9 participants were in the meeting room.

3. Chair reminded everyone to mark attendance.

***Motion***

Move to submit IEEE Std. 802.22-2011 to ISO JTC 1 using PSDO process.

Move: Apurva Mody

Second: Chang-woo Pyo

For: 10

Against: 0

Abstain: 0

**Motion Passes**.

***Motion***

The IEEE 802.22 working group authorizes the WG chair to seek approval from the 802 EC to submit IEEE Std. 802.22-2011 to ISO JTC 1 using PSDO process.

Move: Apurva Mody

Second: Chang-woo Pyo

For: 10

Against: 0

Abstain: 0

**Motion Passes**.

5.The meeting was recessed at 10:00 AM.

##### 23rd Jan Thursday AM2

1. The meeting was called to order by Chair Dr Mody at 10:30 AM.

2. 11 participants were in the meeting room.

3. Chair reminded everyone to mark attendance.

4. Discussion on 802.22 Revision PAR and 5C was carried out.

5.The meeting was recessed at 12:32 PM.

##### 23rd January Thursday PM1

1. The meeting was called to order by Chair Dr Mody at 13:40 PM.

2. Chair reminded everyone to mark attendance.

3. 11 participants were in the meeting.

4. Upon request of IEEE 802.22 WG chair Dr. Mody, IEEE 1900.7 WG chair Dr.Filin joined the meeting and provided some information of ongoing 1900.7 activities that 802.22 WG members are interested.

5. The 802.22 Revision PAR and 5C documents were revised and reviewed; based on the revised document following motios was made

**Motion– 802.22 REVISION PAR and 5C – Approve to submit to EC and make subsequent actions**

Move to approve the contents of the document:22-13-0138Rev6 (802.22 Revision PAR) https://mentor.ieee.org/802.22/dcn/13/22-13-0138-06-0000-802-22-revision-par.docx as the contents of the P802.22 Revision PAR, and the contents of the document:22-13-0156Rev3 (802.22 Revision PAR 5C) https://mentor.ieee.org/802.22/dcn/13/22-13-0156-03-0000-802-22-revision-par-5c.docx as the contents of the P802.22 Revision PAR 5C, to be forwarded to the IEEE 802 EC. To allow the Chair to make a motion during the Closing EC Meeting seeking approval to submit the PAR form to IEEE SA NESCOM. To allow the Chair to make subsequent submission of the PAR form to the IEEE SA NESCOM upon its approval from the EC. To allow the Chair to make the necessary changes to the PAR form based on the comments from IEEE 802 EC or the IEEE SA NESCOM members and submit the revised PAR to the NESCOM.

Move: Chang-woo Pyo

Second: Apurva Mody

For: 10

Against: 0

Abstain: 0

**Motion passes.**

6. WG chair announced the open positions for WG and TG officer re-election.

7. WG chair reminds to conduct early visa application for March Beijing Plenary.

**Survey of this Location**

Los Angeles, CA – 10 like

Dislikes? 0

***Motion to Adjourn***

Motion to Adjourn

Move: Jerry Kalke

Second: SungHyun Hwang

Is there any objection to this motion?

No objection is heard.

**Motion Passes**.

**The interim meeting was adjourned at 15:50.**

**802.22 Attendance List January, 2014 Interim**

|  |  |  |
| --- | --- | --- |
| Canchi | Radhakrishna | Kyocera |
| El Ezabi | Ayman | U. of Cairo |
| Franklin | Antony | ETRI |
| **Flynn** | **Peter** | Texas Instruments |
| Huh | Jae Doo | ETRI |
| Bims | Harry |  |
| **Gurley** | **Tom** | IEEE BTS |
| Hoang | VinhDien | NICT |
| **Hwang** | **Sunghyun** | ETRI, Korea |
| Harada | Hiroshi | NICT, Japan |
| Hou | Victor | Broadcom |
| Inoko | Takuya | Niigaata University |
| Jeong | Byung Jang | ETRI, Korea |
| **Kalke** | **Jerry** | CBS |
| Kang | Hynduk | ETRI |
| Kim | Kihong | Self |
| Ko | Gwangzeen | ETRI, Korea |
| Lee | Donghun | ETRI, Korea |
| Lei | Zhongding | I2R, Singapore |
| Lin | Pin-Hsun | NICT, Japan |
| **Lu** | **Liru** | NICT |
| Lynch | Michael | MJLA LLC |
| **Mody** | **Apurva** | BAE Systems |
| Murai | Shinji | Hitachi |
| Nafie | Mohammad | U. of Cairo |
| Niephaus | Christian | Fraunhofer Institute of Technology |
| Nguyen | An | Department of Homeland Security |
| **Oodo** | **Masayuki** | NICT, Japan |
| Nakamura | Akira | Tamilab |
| **Pyo** | **Chang-Woo** | NICT, Japan |
| **Sasaki** | **Shigenobu** | Niiagata University |
| **Song** | **Chunyi** | NICT, Japan |
| **Shellhammer** | **Steve** | Qualcomm |
| Takahashi | Nobuyuki | Niigaata |
| Tawil | Victor | NAB |
| Taylor | Larry | ACM |
| **Toh** | **Keat, Beng** | Hitachi |
| Wang | Junyi | NICT, Japan |
| Watanabe | Hidenori | Niigaata University |
|  |  |  |
| **Villardi** | **Gabriel** | NICT, Japan |
| Zhang | Xin | NICT, Japan |
| **Zhao** | **Bingxuan** | Niigaata University |

*Note: Participants who had voting status appear in* ***bold****.*

**ANNEX**

**Working Group Contributions**

https://mentor.ieee.org/802.22/dcn/14/22-14-0032-00-0000-802-22-march-plenary-wg-agenda.xls

https://mentor.ieee.org/802.22/dcn/13/22-13-0156-04-0000-802-22-revision-par-new-csd-5c.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0168-01-0000-802-22-response-to-the-comments-on-the-802-22-revision-par.pptx

https://mentor.ieee.org/802.22/dcn/14/22-14-0023-00-0000-overview-of-ieee-802-22-working-group.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0138-06-0000-802-22-revision-par.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0156-03-0000-802-22-revision-par-new-csd-5c.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0156-02-0000-802-22-revision-par-new-csd-5c.docx

https://mentor.ieee.org/802.22/dcn/14/22-14-0011-00-0000-ieee-802-22-wg-january-interim-agenda.xls

https://mentor.ieee.org/802.22/dcn/14/22-14-0010-00-0000-meeting-minutes-of-ieee-802-22-wg-november-plenary-dallas.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0176-00-0000-802-22-wg-closing-report-november-2013-plenary-meeting.ppt

https://mentor.ieee.org/802.22/dcn/13/22-13-0138-05-0000-802-22-revision-par.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0172-00-0000-802-22-ec-closing-motions.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0171-00-0000-spectrum-occupancy-sensing-study-group.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0170-01-0000-802-22-wg-motions-at-nov-2013-plenary.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0156-01-0000-802-22-revision-par-5c.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0138-04-0000-802-22-revision-par.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0168-00-0000-802-22-response-to-the-comments-on-the-802-22-revision-par.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0161-00-0000-press-release-for-spectrum-occupancy-system-study-group-formation.doc

https://mentor.ieee.org/802.22/dcn/13/22-13-0160-00-0000-correction-to-the-annex-9-of-the-itu-wp-6a-chairman-s-report.doc

https://mentor.ieee.org/802.22/dcn/13/22-13-0155-00-0000-november-plenary-working-group-agenda.xls

https://mentor.ieee.org/802.22/dcn/13/22-13-0159-00-0000-802-22-september-interim-meeting-minutes.doc

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https://mentor.ieee.org/802.22/dcn/13/22-13-0123-01-0000-ieee-802-22-inputs-to-doc-18-13-0085-for-itu-question-236-on-power-grid-management-systems.docx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0114-00-0000-ieee-itu-joint-meeting-spectrum-sharing-and-white-space-standardization-to-bridge-the-digital-divide.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0113-00-0000-ieee-802-and-itu-welcome-meeting.pdf

https://mentor.ieee.org/802.22/dcn/13/22-13-0112-00-0000-ieee-802-19-1-overview.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0111-00-0000-itu-r-studies-on-crs-including-white-spaces.pdf

https://mentor.ieee.org/802.22/dcn/13/22-13-0110-00-0000-tvws-managing-the-spaces-or-better-managing-inefficiencies.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0109-00-0000-ieee-802-22-whitespace-enabled-rural-broadband-to-cognitive-m2m.pptx

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<https://mentor.ieee.org/802.22/dcn/11/22-11-0118-04-rasg-par-for-enhanced-broadband-and-monitoring-amendment.doc>

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**Press Release**

<https://mentor.ieee.org/802.22/dcn/13/22-13-0005-00-0000-ieee-802-22-1-advanced-beaconing-press-release.docx>

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**Executive Committee Motions and Reports**

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https://mentor.ieee.org/802.22/dcn/13/22-13-0043-00-0000-march-plenary-working-group-motions.doc

<https://mentor.ieee.org/802.22/dcn/13/22-13-0041-00-0000-802-22-wg-opening-report.ppt>

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##### Advanced Beaconing to Expand Protection of Licensed Service

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<https://mentor.ieee.org/802.22/dcn/13/22-13-0010-00-0001-overview-of-the-ieee-802-22-1-standard.ppt>

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