IEEE P802.22
Wireless RANs

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| 2013 November Plenary Working Group Meeting Minutes for IEEE 802.22 |
| Date: 2013-11-16 |
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**IEEE 802.22**

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Abstract

This document contains the minutes of the IEEE 802.22 Working Group 2013 November Plenary Meeting held in Dallas from 10th November 2013 to 15th November 2013.

Wireless Regional Area Networks

**November 2013 Plenary**

**MINUTES**

##### 11th Nov Monday PM1 (WG Opening Plenary)

WG chairman Dr Mody called the meeting to order at 1:35 PM EST. 11 participants including 8 voting member were in the room at the opening of the session.

**1.2 Approval of Agenda**

***Motion - Approal of Agenda***

Move to Approve the Agenda as shown in Document 22-13-00155 Rev1

(https://mentor.ieee.org/802.22/dcn/13/22-13-0155-01-0000-Nov-plenary-working-group-agenda.xls)

Move: Apurva Mody

Second: Chunyi Song

For: 8

Against: 0

Abstain: 0

**Motion Passes**. Agenda is approved

**1.3 Approval of the minutes of the last session**

The minutes of the 802.22 September Interim Meeting Minute can be found at:

[https://mentor.ieee.org/802.22/dcn/13/22-13-0159-00-0000-802-22-september-interim-working-group-meeting-minutes.doc](https://mentor.ieee.org/802.22/dcn/13/22-13-0143-01-0000-july-plenary-working-group-meeting-minutes.doc)

***Motion- Approval of Minute***

Move to Approve the 802.22 working group September Interim meeting minute at Nanjing as shown in Document 22-13-0159 Rev0

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

Move: Apurva Mody

Second: Chang-woo Pyo

For: 8

Against: 0

Abstain: 0

**Motion Passes**. Minute is approved

**2. Administrative matters**

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

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

There was one new participant for this meeting: BHUMIN PATHAK from Harvard University.

Report from IEEE 802.22a was made by Dr. Mody.

Report from IEEE 802.22b was made by Dr. Pyo, primarily focusing on the first letter ballot results;

Dr. Mody pointed out that the letter ballot should not be closed since the return ratio was still below 75%.

**3. Introduction to the IEEE 802.22 radio environment map (REM) study group.**

Dr. Mody introduced purpose and progress of creating the REM study group under consideration and raised some discussion issues.

IEEE 802 chair Paul Nikolich, Flynn Peter and other members joined the discussion.

Following motions were made during the session.

***Motion***

Move to approve the Spectrum Occupancy Sensing (SOS) study group press release as can be found in Document 22-13-0161-00-0000.

To request the chair to work with IEEE SA communications staff to approve the press release and to present it to the IEEE 802 EC for an approval.

Move: Apurva Mody

Second: Ivan Reed

For: 11

Against: 0

Abstain: 0

**Motion Passes**.

***Motion***

Move to Approve Document 22-13-0160-00-0000 (Correction to the Annex 9 of the ITU WP 6A Chairman' s Report) to be forwarded to IEEE 802.18 as IEEE 802.22 input for consideration.

Move: Ivan Reed

Second: Peter Flynn

For: 10

Against: 2

Abstain: 0

**Motion Passes**.

**4. The meeting was recessed at 16.30 PM.**

##### 13th Nov Wednesday AM2 - 802.22 Revision PAR

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

2. 11 participants were in the meeting.

3. Chair reminded everyone to mark attendance.

4. Comments from the other WGs under IEEE 802 for the revison PAR are reviewed and resolved.

5.The meeting was recessed at 12:30 PM.

##### 13th Nov Wednesday PM1 - 802.22 Revision PAR and 5C

1. The meeting was called to order by Chair Dr Mody at 13:30 AM.

2. Chair reminded everyone to mark attendance.

2. 12 participants were in the meeting.

3. Comments from various WGs under IEEE 802 for the revison PAR are reviewed and resolved.

4. “802.22 Revision PAR” (22-13-0168-Rev0) was presented and reviewed.

 Following motions were proposed during the session.

**Motion–The Spectrum Occupancy Sensing (SOS) Standardization Study Group**

Move to approve the launch of the Spectrum Occupancy Sensing (SOS) Standardization Study Group under the IEEE 802.22 working group

Move: Peter Flynn

Second: Jerry Kalke

For: 11

Against: 0

Abstain: 0

**Motion passes**

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

Move to approve the contents of the document:22-13-0138Rev4 (802.22 Revision PAR) https://mentor.ieee.org/802.22/dcn/13/22-13-0138-04-0000-802-22-revision-par.docx as the contents of the P802.22 Revision PAR, and the contents of the document:22-13-0156Rev1 (802.22 Revision PAR 5C) https://mentor.ieee.org/802.22/dcn/13/22-13-0156-01-0000-802-22-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 at his discretion 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: Peter Flynn

For: 11

Against: 0

Abstain: 0

**Motion passes.**

**Motion– Reponse to comments on P802.22 revision PAR and 5C**

Move to approve the contents of the document:22-13-0168Rev0 (802-22 Response to comments on P802.22 Revision PAR) [https://mentor.ieee.org/802.22/dcn/13/22-13-0168-00-0000-802-22-revision-par.docx](https://mentor.ieee.org/802.22/dcn/13/22-13-0138-01-0000-802-22-revision-par.docx) as the IEEE 802.22 response to comments on P802.22 Revision PAR and Revision PAR 5C.

Move: Tom Gurley

Second: : Jerry Kalke

For: 11

Against: 0

Abstain: 0

**Motion passes.**

**Motion – To forward P802.22a to IEEE SA REVCOM**

IEEE 802.22 working group authorizes the working group chair to seek approval from the IEEE 802 Excutive Committee to forward P802.22a/D2.0 to IEEE SA REVCOM.

Move: Tom Gurley

Second: : Jerry Kalke

For: 11

Against: 0

Abstain: 0

Motion passes.

##### 14th Nov Thursday PM1 - Working Group Closing Meeting

1. 10 Participants including 9 voting members were in the Room

2. Following motions were proposed and voted

***Motion for Approval of Spectrum Occupancy Sensing Presentation***

Move to Approve the Spectrum Occupancy Sensing overview presentation as shown in Document 22-13-0171 Rev0 to be presented at the EC closing meeting.

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

Move: Peter Flynn

Second: Chunyi Song

For: 9

Against: 0

Abstain: 0

**Motion Passes**.

***Motion Follow-up Telecons***

Move to allow the Chair to conduct telecons to further the activities of the 802.22 WG as he sees fit.

Move: Jerry Kalke

Second: Peter Flynn

Is there any objection to this motion?

No objection is heard.

**Motion Passes**.

**Survey of this Location**

Dallas TX – 8 likes

Dislikes? 0

***Motion to Adjourn***

Motion to Adjourn

Move: Jerry Kalke

Second: Peter Flynn

Is there any objection to this motion?

No objection is heard.

**Motion Passes**.

**The meeting was adjourned at 14:00.**

**802.22 Attendance List November, 2013 Plenary**

|  |  |  |
| --- | --- | --- |
| 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 |
| Ping Ping | Xu | SEU.edu |
| Nakamura | Akira | Tamilab |
| **Pyo** | **Chang-Woo** | NICT, Japan |
| Rahman | Mohammad | NICT, Japan |
| Sasaki | Shigenobu | Niiagata University |
| Seki | Hiroyuki | Fujitsu |
| **Shellhammer** | **Steve** | Qualcomm |
| **Song** | **Chunyi** | NICT, Japan |
| 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/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

<https://mentor.ieee.org/802.22/dcn/13/22-13-0136-00-0000-september-interim-working-group-agenda.xls>

https://mentor.ieee.org/802.22/dcn/13/22-13-0137-00-0000-aug-22-revision-par-discussions-meeting-minutes.docx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0143-01-0000-ieee-802-22-july-plenary-working-group-meeting-minutes.doc

<https://mentor.ieee.org/802.22/dcn/13/22-13-0143-01-0000-ieee-802-22-july-plenary-working-group-meeting-minutes.doc>

<https://mentor.ieee.org/802.22/dcn/13/22-13-0136-01-0000-september-interim-working-group-agenda.xls>

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<https://mentor.ieee.org/802.22/dcn/13/22-13-0152-00-0000-802-22c-amendment-par-on-spectrum-sensing-information-representation-dissemination-and-fusion.docx>

<https://mentor.ieee.org/802.22/dcn/13/22-13-0152-01-0000-802-22c-amendment-par-on-spectrum-sensing-information-representation-dissemination-and-fusion.docx>

https://mentor.ieee.org/802.22/dcn/13/22-13-0154-00-0000-wg-motions.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0136-00-0000-september-interim-working-group-agenda.xls

https://mentor.ieee.org/802.22/dcn/13/22-13-0126-00-0000-ieee-802-22-july-plenary-closing-report.ppt

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

https://mentor.ieee.org/802.22/dcn/13/22-13-0123-00-0000-ieee-802-22-inputs-to-doc-18-13-0085-for-itu-question-236-on-power-grid-management-systems.docx

https://mentor.ieee.org/802.22/dcn/13/22-13-0096-02-0000-july-plenary-working-group-agenda.xls

https://mentor.ieee.org/802.22/dcn/13/22-13-0116-00-0000-ieee-802-11-activities-on-spectrum-sharing.ppt

https://mentor.ieee.org/802.22/dcn/13/22-13-0115-00-0000-ieee-802-15-4m-wpan-standard-in-tvws.pptx

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/13/22-13-0077-00-0000-march-plenary-working-group-meeting-minutes.doc>

<https://mentor.ieee.org/802.22/dcn/13/22-13-0085-00-0000-ieee-802-response-to-the-unii-band-nprm.docx>

<https://mentor.ieee.org/802.22/dcn/13/22-13-0087-00-0000-802-22-inputs-to-itu-question-236-on-smart-grid-power-management-systems.docx>

<https://mentor.ieee.org/802.22/dcn/13/22-13-0054-00-0000-march-plenary-ec-closing-motions.ppt>

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<https://mentor.ieee.org/802.22/dcn/12/22-12-0073-00-0000-802-22-july-plenary-ec-motions.ppt>

<https://mentor.ieee.org/802.22/dcn/12/22-12-0064-01-0000-july-2012-opening-report.ppt>

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<https://mentor.ieee.org/802.22/dcn/12/22-12-0060-00-0000-june-ec-telecon-motion-to-forward-802-22-2-to-revcom.ppt>

<https://mentor.ieee.org/802.22/dcn/12/22-12-0072-00-0000-july-plenary-motions.doc>

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https://mentor.ieee.org/802.22/dcn/13/22-13-0045-02-000b-802-22b-mar-2013-report.pptx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0045-01-000b-802-22b-mar-2013-report.pptx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0027-01-000b-802-22b-phy-technical-items.xlsx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0040-00-000b-minute-of-ieee-802-22b-task-group-at-vancouver-face-to-face-meeting.docx

<https://mentor.ieee.org/802.22/dcn/13/22-13-0038-00-000b-minute-of-ieee-802-22b-task-group-teleconference-12.docx>

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https://mentor.ieee.org/802.22/dcn/13/22-13-0035-00-000b-802-22b-telecon-mar-07-agenda.pptx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0030-00-000b-802-22b-telecon-feb-28-agenda.pptx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0028-00-000b-802-22b-telecon-feb-21-agenda.pptx

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https://mentor.ieee.org/802.22/dcn/13/22-13-0023-01-000b-802-22b-telecon-feb-14-agenda.pptx

https://mentor.ieee.org/802.22/dcn/13/22-13-0024-02-000b-22b-mac-technical-items.xlsx

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https://mentor.ieee.org/802.22/dcn/12/22-12-0095-00-000b-802-22b-nov-2012-agenda.xlsx

https://mentor.ieee.org/802.22/dcn/12/22-12-0078-01-000b-ieee-p802-22b-sep-2012-report.pptx

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https://mentor.ieee.org/802.22/dcn/12/22-12-0077-00-000b-ieee-p802-22b-sep-2012-agenda.xlsx

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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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