IEEE P802.22 Wireless RANs

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| 2015 July Plenary IEEE 802.22 Working Group Minutes |
| Date: 2015-07-13 |
| Author(s): |
| Name | Company | Address | Phone | email |
| Gabriel Villardi | NICT | Yokosuka, Japan | +81(0)46-847-5438 | gpvillardi@nict.go.jp |
| Apurva Mody | BAE Systems | Merrimack, NH | 404-819-0314 / 603-809-0459 | apurva.mody@baesystesms.com; apurva\_mody@yahoo.com |

**IEEE 802.22 Wireless Regional Area Networks**

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Abstract

This document contains the minutes of the IEEE 802.22 Working Group 2015 July Plenary Meeting held in Hawaii from 13th to 16th, July 2015.

**July 2015 Plenary**

**MINUTES**

##### 13rd July Monday PM1 (WG Opening Plenary)

The WG chairman, Dr Mody, called the meeting to order at 1:30 PM local time. There were 7 participants (4 are voting members) in the room at the opening of the session.

WG announced that the meeting was in quorum since it was announced more than 45 days in advance.

**1.1 Approval of Agenda**

**The WG chair, Dr. Mody, explained agenda for the plenary session in Hawaii.**

***Motion - Approval of Agenda***

Move to Approve the Agenda as shown in Document 22-15-0014 Rev1

(<https://mentor.ieee.org/802.22/dcn/15/22-15-0014-01-0000-july-plenary-working-group-agenda.xls>)

Move: Jerry Kalke

Second: Chang-woo Pyo

For: 4 (no objection)

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 March 2015 WG Plenary Meeting can be found at:

<https://mentor.ieee.org/802.22/dcn/15/22-15-0018-00-000b-2015-march-plenary-ieee-802-22-working-group-minutes-berlin.docx>

***Motion- Approval of Minutes***

Move to approve the 802.22 WG March Plenary meeting minutes held in Berlin as shown in Document 22-15-0018 Rev0

 (<https://mentor.ieee.org/802.22/dcn/15/22-15-0018-00-000b-2015-march-plenary-ieee-802-22-working-group-minutes-berlin.docx>)

Move: Chang-woo Pyo

Second: Jerry Kalke

For: 4

Against: 0

Abstain: 0

**Motion Passes**. Minutes are approved

**2. Administrative Issues**

The WG Chair, Dr. Mody, reviewed the usual administrative slides on Patent Policy, Letter of Assurance, Anti-trust statement, IEEE code of ethics, etc.

The WG Chair, Dr. Mody, reminded everyone that the attendance recording is being done electronically as usual.

**3. Discussions during the Working Group Session**

1. The WG chair has drafted a press release on the approval of the IEEE 802.22b standard and on new emerging applications within the WG such as Spectral Characterization and Occupancy Sensing (SCOS).
2. The WG reviewed the document [18-15-0036-00](https://mentor.ieee.org/802.18/dcn/15/18-15-0036-00-0000-nprm-sharing-class-a-stations-outside-broadcast-tv-spectrum.pdf) released by the FCC about incentive auctions.
3. The WG reviwed the document [18-15-0035-00](https://mentor.ieee.org/802.18/dcn/15/18-15-0035-00-0000-national-experience-on-the-implementation-of-the-digital-dividend-in-brazil.docx) released by the ITU about refarming and implementation of the first digital dividend in Brazil.
4. The WG was recessed at 15:30 local time.

##### 14th July Tuesday AM1

1. The WG chairman, Dr Mody, called the meeting to order at 08:00 AM local time. There were 4 participants (4 are voting members) in the room at the opening of the session.

2. The requirements for the SCOS were discussed in the WG session.

3. The WG discussed the SCOS standard structure during the WG session.

4. The WG recessed at 10:00 local time.

##### 14th July Tuesday AM2

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 4 participants (4 are voting members) in the room at the opening of the session.

2. The WG continued to discuss the SCOS standard structure during the WG session.

3. The WG recessed at 12:00 local time.

##### 15th July Wednesday AM1

1. The WG chairman, Dr Mody, called the meeting to order at 08:00 AM local time. There were 4 participants (4 are voting members) in the room at the opening of the session.
2. The following motions were held:

***Motion- Motion to approve IEEE Std. 802.22b completion press release***

The 802.22 WG approves the Press Release (PR) on the approval of the IEEE Std. 802.22b Amendment on Enhancements for Broadband Services and Monitoring Applications by the IEEE as contained in document [22-15-0020-00-0000.](https://mentor.ieee.org/802.22/dcn/15/22-15-0020-00-0000-p802dot22b-project-completion-press-release.docx) The 802.22 WG authorizes the Chair to make a motion to the EC seeking approval to release this PR and make any additional changes based on comments from the EC or the IEEE-SA.

Move: Chang-Woo Pyo

Second: Gabriel Villardi

For: 5

Against: 0

Abstain: 0

Motion passed with unanimous consent.

***Motion- Working Group motion to forward P802.22b Draft 6.0 to the IEEE SA RevCom***

The 802.22 WG affirms that the P802.22b Draft 6.0 meets all the requirements of the P802.22b [PAR](http://www.ieee802.org/22/P802.22b_PAR_Approved.pdf) and grandfathered 5C ([22-11-0119-04-0000](https://mentor.ieee.org/802.22/dcn/11/22-11-0119-04-rasg-5c-for-enhanced-broadband-and-monitoring-amendment.docx)). The 802.22 WG authorizes the WG chair to seek approval from the IEEE 802 Executive Committee to forward P802.22b Draft 6.0, which has met all the conditions as stated in the IEEE 802 operations manual, to the IEEE SA RevCom.

Move: Chang-Woo Pyo

Second: Gabriel Villardi

For: 5

Against: 0

Abstain: 0

Motion passed with unanimous consent.

1. The WG has discussed the document “Report and Order and Second Further Notice of Proposed Rule Making” (FCC-15-47A1).
2. The WG recessed at 10:00 local time.

##### 15th July Wednesday AM2

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 4 participants (6 are voting members) in the room at the opening of the session.

2. The WG has drafted the functional requirements for the P802.22.1.

3. The WG recessed at 12:00 local time.

##### 15th July Wednesday PM1

1. The WG chairman, Dr Mody, called the meeting to order at 13:00 PM local time. There were 5 participants (4 are voting members) in the room at the opening of the session.

2. Discussions on the IEEE P802.22.1 Functional Requirements for Advanced Beacons were held. The group went through the Functional Requirement Document IEEE 22-15-0021-00-0001.

3. The WG recessed at 15:30 local time.

##### 16th July Thursday AM1

1. The WG chairman, Dr Mody, called the meeting to order at 08:00 AM local time. There were 4 participants (4 are voting members) in the room at the opening of the session.

2. Discussions on the IEEE P802.22.1 Functional Requirements for Advanced Beacons were continued. The group went through the Functional Requirement Document IEEE 22-15-0021-00-0001.

3. The WG recessed at 09:40 local time.

##### 16th July Thursday AM2

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 4 voting members in the room at the opening of the session.
2. The WG continued to discuss the SCOS in order to create a draft V0 based on the IEEE 802.22-2011 Std.

##### 16th July Thursday – Closing Plenary

1. The WG chairman, Dr Mody, called the meeting to order at 10:30 AM local time. There were 4 voting members in the room at the opening of the session.
2. The WG chair

***Motion- 802.22b recirculation***

The working group requests 802.22b task group chair and editor Dr. Chang-woo Pyo to address and resolve comments from the P802.22b Sponsor Ballot, and to issue P802.22b Draft 7.0. Move to initiate a 15 days Sponsor Ballot Recirculation in case the IEEE 802 EC recommends another round of recirculation.

Move: Gabriel Villardi

Second: Chang-woo Pyo

For: 4

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Provided as a reference - Approved During March 2015 Plenary in Berlin - Conditional Approval to Forward the P802.22b to the RevCom***

Working Group Approves the P802.22b CSD (Grand fathered 5C): <https://mentor.ieee.org/802.22/dcn/11/22-11-0119-04-rasg-5c-for-enhanced-broadband-and-monitoring-amendment.docx> as shown in Document: and authorizes the 802.22 WG chair to make a motion to the IEEE 802 Executive Committe for (conditional) approval to forward the P802.22b Draft amendment standard to the RevCom that has met all the conditions as stated in the IEEE 802 operations manual.

Move: Dr. Keat Beng Toh

Second: Dr. Sunghyun Hwang

For: 5

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Approval to Schedule Teleconference Meetings***

Move to authorize the 802.22 WG chair to schedule teleconference meetings as he sees fit to conduct the business of 802.22 WG from now until November 2015 plenary meeting.

Move: Jerry Kalke

Second: Chang-woo Pyo

For: 4

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- Empower the 802.22 WG Chair to Cancel the 802.22 September 2015 Interim Meeting***

Move to empower the 802.22 WG chair to cancel the 802.22 September 2015 interim meeting.

Move: Chang-woo Pyo

Second: Jerry Kalke

For: 4

Against: 0

Abstain: 0

**Motion Passes**.

***Motion- 802.22.1 Advanced Beaconing Functional Requirements Document***

The 802.22 WG approves the P802.22.1 Advanced Beaconing Functional Requirements Document 22-15-0021-00-0001

Move: Jerry Kalke

Second: Gabriel Villardi

For: 4

Against: 0

Abstain: 0

**Motion Passes**.

**Motion– Motion to adjourn**

Move to adjourn.

Move: Jerry Kalke

Second: Chang-woo Pyo

For: 4

Against: 0

Abstain: 0

Motion Passes.

The group was adjourned at 15:30 pm local time on Thursday 12th July 2015.

**802.22 Attendance List July, 2015 Plenary**

|  |  |  |
| --- | --- | --- |
| **Villardi**  | **Gabriel** | NICT, Japan |
| **Pyo** | **Chang-Woo** | NICT, Japan |
| **Mody**  | **Apurva** | BAE Systems |
| **Nikolich**  | **Paul** |  Self |
| **Kalke**  | **Jerry** | CBS Corp. |
| **Heile** | **Bob** | WiSUN Alliance |
| **KangI** | **Hyunduk** | ETRI |
| Perry | Lisa | IEEE-SA |
| Breitfelder | Kim | IEEE-SA |
| Goldberg | Jeff | IEEE-SA |
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*Note: Participants who had voting status appear in* ***bold****.*

**ANNEX**

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