IEEE P802.22
Wireless RANs

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| Minute of IEEE 802.22b Task group at Hawaii Face-to-Face Meeting  |
| Date: 2012-3-19 |
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Abstract

This document presents the minutes of IEEE 802.22b task group at Hawaii Face-to-Face Meeting from 12rd Mar 2012 to 15th Mar 2012.

 **IEEE 802.22b Task Group**

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**13rd Mar (Tuesday), AM1**

**Minutes:**

1. The meeting was called to order by Dr. Pyo.

2. Attendace reminder.

3. Steve Schroedl from Kikaua, and Shinji Murai from Hitachi introduced themselves as new comers to 802.22b.

4. IEEE patent policy was read out by Dr. Pyo.

5. P802.22b title, PAR scope and purpose were introduced again. The agenda for March meeting as contained in document 22-12-0021-00-000b was reviewed.

6. **Motion**

 Move to approve March 802.22b agenda as contained in document 22-12-0021-00-000b.

 Moved: Chang-Woo Pyo

 Second: Zhang Xin

 For: 7

 Against: 0

 The motion was passed unanimously

7. The discussion of functional requirement continues. Functional requirement document (22-12-12-01-000b) was presented by Dr. Pyo.

8. It was suggested that we should go to 802.18 website to check out the update of Ofcomm. So far, in our base standard, we deal with FCC rules. The following comments are received after reviewing document “Draft regulatory requirements for white space devices in the UHF band ”(18-12-0019-00-0000)

* Antenna height need to be added in .22 base standard section 10.7.1.3
* In document 18-12-0019-00-0000, table 3.23 is not defined in our base standard, we need to add a similar table.
* If relaying is considered in our new amendment, section 3.27 in document 18-12-0019-00-0000 is worth noticing.
* Section 4.3
* Section 4.46
* Section 4.11.4 and section 3.19.4 regarding sensing requirement for master device and slave device.
* Table 4.15 was not defined in the base standard.
* It felts like not able to do peer-to-peer communication with regard to Ofcomm rule

9. The task group was recessed at 1000.

**IEEE 802.22b Task Group**

**13rd Mar (Tuesday), AM2**

**Minutes:**

1. The meeting was called to order by Dr. Pyo.

2. Attendance reminder.

3. The discussion of functional requirement document continued.

4. A new requirement is inserted as [Req01] “This amendment should provide mechanism to meet the regulatory requirements, e.g. FCC, Ofcomm etc”

5. Since Ofcomm’s rule is not finalized, it was suggestted to add one requirement to meet the update. Someone shall provide a document that contains all the update. We have to modify the base standard according to new rule. Chair request some volunteer to keep track of the regulatory update. Chunyi Song from NICT volunteers to take up the task.

6. It was suggestted to add regional internet service to use case.

7. While discussing [Req03], 802. 22b CPE clarification document (22-12-18-00-000b) was reviewed. it was suggested to change to “at least two new classes of CPEs”, tables were added from CPE clarification document to the functional requirement document.

8. [Req05] define 2048 as the maximum minimum number, so put in use case that requires this as minimum CPE number. For example, regional area smart grid/metering needs several thousands of L-CPEs.

9. [Req06][Req07] multi-hop connections within a cell, and CPE peer to peer communication. It was suggested to define peer-to-peer communication as communication controlled by BS as H-CPE talk to H-CPE, multi-hop communication is defined as L-CPE => H-CPE => BS

10. [Req 08] Do we define the max delay in the Qos mechanism. Ans: we don’t define this value.

11. [Req9] It was suggestted to remove this as it is included in [Req01].

12. [Req10] Due to the new rule established in Ofcomm, this requirement was suggested to add “This amendment should provide authentication and integrity check security mechanisms for peer-to-peer communication” to the last sentence.

13. The meeting was recessed at 1230.

**IEEE802.22b Task Group**

**15th Mar (Thursday), AM2**

**Minutes:**

1. The meeting was called to order by Dr. Pyo.

2. Call for proposal document (22-12-24-00-000b) was presented and discussed for the first time.

3. Some minor comments are received regarding the wording of the document. A revised version was uploaded later to the mentor.

4. The discussion of the functional requirement document continued.

* [Req01] Suggested to add “For example, enhanced cognitive radio capabilities, network management, sensing, etc”
* [Req05] Suggested to add “For example, regional area network should need at least thousands of CPE”
* [Req12] Channelization, suggested changing to “This amendment should provide a means for alternative channelization. This amendment should provide methods for cost-effective compliance with regulatory spectral mask”
* [Req11] This requirement about backward compatibility still has some problems. We will go back to discuss this again in our final session.

4. Discussion of Selection Criteria document. Document 22-12-25-00-000b was presented by Dr. Pyo.

There was an opinion that we can’t assume only people in this room submitting proposal; we may need to define a rough selection criterion, for each requirement. Since the finalizing deadline for this document is in September. We can discuss along the way. This serves as a guideline for people to contribute.

5. The meeting was recessed at 1230.

**IEEE802.22b Task Group**

**15th Mar (Thursday), PM1**

**Minutes:**

1. The meeting was called to order by Dr. Pyo.

2. Attendance was marked.

3. 3 motions were passed unanimously to approve the 2 teleconference minutes and Jacksonville face-to-face meeting minute.

4. We discussed the last remained requirement which is about backward compatibility. It was suggested to change to “This amendment should support backward compativility, for example, 802.22b base station should be able to communicate to 802.22 base station”. The group agrees to the new wording. The finalized functional requirement document was uploaded to the mentor as 22-12-12-03-000b.

5. **Motion**

Move to approve the functional requirement document 22-12-12-03-000b

Move: Chang-Woo Pyo

Second: Gwang-Zeen Ko

Yes:8

No:0

Abstain:0

Motion passes unanimously

6. Finalized call for proposal was presented in document 22-12-24-02-000b.

7. **Motion**

Move to approve Call for Proposal document as contained in 22-12-0024-02-000b. Chair of 802.22b to send this notice to the 802.22 reflector at least twice before May Interim meeting.

Move: Apurva Mody

Second: Antony Franklin

Yes:8

No:0

Abstain:0

Motion passes unanimously

8. We discussed the teleconference plan between March and May meeting. The detail schedules are shown as below:

 March 27 2012, Tue, 9PM EDT (10 AM JST, the next day)

 April 10 2012, Tue, 9PM EDT (10 AM JST, the next day)

 April 24 2012, Tue, 9PM EDT (10 AM JST, the next day)

 May 8 2012, Tue, 9PM EDT (10 AM JST, the next day)

9. 802.22b task group was adjourned.