IEEE P802.22
Wireless RANs

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| Minutes of RASGCIM study group at Okinawa Face-to-Face Meeting  |
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Abstract

This document presents the minutes of regional area smart grid and critical infrastructure monitoring (RASGCIM) study group at Okinawa Face-to-Face Meeting from 19th Sep 2011 to 22nd Sep 2011.

 **RASGCIM Study Group**

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**19th Sep (Monday), PM2**

**Attendees:**

Tsuyoshi Shimomura (Fujitsu), Shigenobu Sasaki (Niigata University), Sunghyun Hwang (ETRI), Jerry Kalke (CBS Corp), Apurva Mody (BAE System), Keat Beng Toh (Hitachi Kokusai Electric), Chunyi Song (NICT), Changwoo Pyo (NICT), GwangZeen Ko (ETRI), Xin Zhang (NICT), M. Azizur Rahman (NICT)

**Minutes:**

1. Meeting was called to order by M. Azizur Rahman.
2. There was a call for secretary. Xin Zhang from NICT was appointed to be the study group secretary.
3. Agenda for the study group (Document 802.22-11-112-01-RASG) was presented by M. Azizur Rahman (NICT)
4. Study group agenda was approved by the group by anonymous consent.
5. IEEE patent policy was presented.
6. Study Group opening report (Document 22-11-0114-00-rasg) was presented by M. Azizur Rahman (NICT).
7. There were some discussions on the study group timeline. The group decided to finalized PAR and 5C in this face-to-face meeting.
8. PAR for Enhanced Broadband and Monitoring Amendment (Document no 22-11-0097-0004-rasg) was presented by M. Azizur Rahman (NICT).
9. There was concern on why “35Mbps” this particular value is chosen. The answer is that this number is chosen arbitrarily; we can achieve this value by bonding at least 2 channels. We didn’t choose a larger value because we had monitoring application. Participants having the above concern would like to maintain the consistency for the .22 standard, and would like to suggest another value within this week.
10. There was a question regarding the need to specify the lower bound of data throughput. However, some participants thought that there was no need to specify, but rather to specify the number of CPE.
11. Following the above question, participants asked is there a need to specify “at least 512 CPE”. The answer is yes. Because .22 specifies 512 CPE, in the amendment, we need to specify the change.
12. There was no further comment on the current version of the scope. Need for the project was then presented.
13. It was suggested that we should emphasize that the current .22 standard didn’t cover the above mentioned feature, hence stress on the need for the new project.
14. Finally, the group agrees to the current version of need for project. Chair will modify and upload to the mentor and continue the disucussion tomorrow.
15. The meeting was recessed at 1800 JST.

**RASGCIM Study Group**

**20th Sep (Tuesday), AM2**

**Attendees:**

Shigenobu Sasaki (Niigata University), Sunghyun Hwang (ETRI), GwangZeen Ko (ETRI), Jerry Kalke (CBS Corp), Apurva Mody (BAE System), Chunyi Song (NICT), Changwoo Pyo (NICT), Xin Zhang (NICT), M. Azizur Rahman (NICT), Keat Beng Toh (Hitachi Kokusai Electric).

**Minutes:**

1. Meeting was called to order by M. Azizur Rahman.
2. Agenda (Document 802.22-11-112-02-RASG) was revised and approved by the group.
3. The discussion from previous day was continued.
4. There was a request for the explaination of the nationale for choosing 35 Mbps. The answer was in the current .22 standard 8MHz channel, it reaches 31 Mbps. 35 Mbps is not the exact number for 2 channels bonding. 45 or other arbitrary number can be used.
5. Paticipants still speculated about choosing the value of 35. Because “35” has no relationship to the current base standard. It was suggested to change “35Mbps” to “above what the basic 802.22 offers”
6. There was a suggestion that not to use specific value for the number of CPE which a cell can support. However, the group decided that it will be changed if comments about it are received.
7. The following comments were proposed for need for the project to support the modifications that are done above to the scope.
* “more than 512 CPE” is inserted
* Suggest putting “more than 512 devices” after “defines…..”
* Suggest to change to “support maximum data rate supported by the IEEE std. 802.22-2011”
1. The revised version of need for the project was presented.
2. It was suggested to add”greater number of devices”.
3. The Study group is recessed.

**RASGCIM Study Group**

**21st Sep (Wednesday), PM1**

**Attendees:**

Shigenobu Sasaki (Niigata University), Byung Jang Jeong (ETRI), Sunghyun Hwang (ETRI), GwangZeen Ko (ETRI), Jerry Kalke (CBS Corp), Apurva Mody (BAE System), Chunyi Song (NICT), Changwoo Pyo (NICT), Xin Zhang (NICT), M. Azizur Rahman (NICT), Keat Beng Toh (Hitachi Kokusai Electric).

**Minutes:**

1. Meeting was called to order by M. Azizur Rahman (NICT)
2. Document number: 06-rasg was presented by Aziz.
3. 03-rasg was presented by Aziz.
4. It was suggested to add “Communication testing has been carried out in those countries” to section 4b).
5. It was suggested to change section 5c) to “IEEE 22 system is designed for operation in rural area, where the population density is expected to low. However, IEEE 802.22 base station covers……”.
6. There was discussion on when to submit the revised PAR and 5C to IEEE EC.
7. There was a discussion on the completion date. The group is fine with the current timeline.
8. It was suggested that “above” is changed to “greater than” in the scope.
9. It was suggested to change the last sentence in the scope from “to enable enhanced” to “technique to enhance”.
10. PM3 was cancelled, and revised agenda was approved by the group.
11. Chair will upload the revised PAR and 5C under new document title, because the title has changed.
12. In November meeting, comments from other group will be generated, our task is to resolve all the comments.
13. Meeting was recessed.

**RASGCIM Study Group**

**22nd Sep (Thursday), AM2**

**Attendees:**

Chunyi Song (NICT), Jerry Kalke (CBS), Keat Beng Toh (Hitachi Kokusai Electric), Shigenobu Sasaki (Niigata University), GwngZeen Ko (ETRI), Sunghyun Hwang (ETRI), Takaya Inoko (Niigata University), Changwoo Pyo (NICT), Xin Zhang (NICT), M. Azizur Rahman (NICT), Apurva Mody (BAE System)

**Minutes:**

1. Meeting was called to order

2. Document number 113r4 agenda was discussed and approved.

3. Additional authors were added because of their contribution to the PAR and 5C list.

4. The chair called for final chance for review. One editorial comment was heard.

5. Two motions were entertained:

**A motion was moved to approve the PAR and 5C document parepared by the study group participants and forward those to 802.22 WG for approval to forward to EC.**

Move: Jerry Kalke

Second: GwangZeen Ko

For: 11

Against: 0

Abstain: 0

Result: The motion is passed.

**A motion was moved to empower the study group and working group chair to call for teleconference to make appropriate editorial changes to the PAR and 5C as necessary in order to address the comments that are received and present the updated version of the document to November 2011 face to face meeting for study group and working group approval .**

Move: Shigenobu Sasaki

Second: Jerry Kalke

For: 11

Against: 0

Abstain: 0

Result: The motion is passed

5. Study Group face to face to meeting was adjourned.