IEEE P802.19  
Wireless Coexistence

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| SG CUB January 2015 Interim Minutes | | | | |
| Date: 2014-01-15 | | | | |
| Author(s): | | | | |
| Name | Company | Address | Phone | email |
| Hyunduk Kang | ETRI | Republic of Korea |  | henry@etri.re.kr |

The document contains IEEE 802.19 SG CUB minutes from the January 2015 interim.

# **Tuesday January 13th, 2015 PM2**

The meeting was called to order at 14:02.

### Call for secretary

Nobody from the SG CUB volunteered for secretary for the meeting and the SG CUB chair, Hyunduk Kang, acted as the recording secretary for the SG CUB for the meeting.

### IEEE IPR statement

The chair informed the TG about the IEEE patent policy and showed the set of 4 slides identified as “Highlights of the *IEEE-SA Standards Board Bylaws* on Patents in Standards” available at the IEEE PATCOM web site (<http://standards.ieee.org/board/pat/pat-slideset.ppt>).

The chair made a call for essential patents: No one came forward.

### Approval of November 2014 IG CUB meeting minute and December teleconference call minutes

**Straw poll: To approve minutes of November 2014 plenary IG CUB meeting and December 2014 teleconference calls as in contributions 19-14/0086r0, 19-14/0090r0, and 19-14/0092r0.**

**Straw poll passed with unanimous consent**

### Call for submissions, discussions and approval of agenda

The chair gave an introduction to agenda proposal in 19-15/0002r1. A set of contributions were assigned a time slot in the agenda that was updated accordingly.

**Straw poll: Approve SG CUB agenda (19-15/0002r1) for the January 2015 interim**

**Straw poll passed with unanimous consent**

**The chair presented opening report (19-15/0009r0) regarding backgrounds of SG CUB, topics discussed up to now, and action items of the week.**

### Contribution

**Sho Furuichi (Sony) presented contribution on Coexistence Scenario and Use Cases (19-15/0010r0).**

### Discussion on SG activities and coexistence issues

**Steve Shellhammer (Qualcomm) mentioned that SG is needed to demonstrate** potential coexistence improvements from shared information in order to TG formation. **Hyunduk Kang (ETRI) mentioned that the group first investigate coexistence scenario and use cases, and set parameters for shared information. After that, performance evaluation to show improvement on coexistence is possible. Naotaka Sato (Sony) mentioned that user experience improvement by shard information is more realistic to show** potential coexistence improvements instead of systems performance improvement.

**The group also discussed on the followings:**

* **How to measure fairness**
* **How to mitigate co-channel interference**
* **Tentative timeline of SG activity**

The meeting was recessed at 17:25.

# **Wednesday January 14th, 2015 AM2**

The meeting was called to order at 10:35.

### Agenda review

The IG CUB agenda was updated.

**Straw poll: Approve SG CUB agenda (19-15/0002r2) for the January 2015 interim**

**Straw poll passed with unanimous consent**

### Discussion on SG tentative timeline

**Hyunduk Kang (ETRI) presented a draft of tentative timeline of SG CUB, and got some feedbacks from the group. Regarding preparation of PAR, Naotaka Sato (Sony) mentioned that the group is need to decide to have a new PAR or an amendment of 802.19.1 PAR. The group discussed pros and cons with two cases. Hyunduk Kang (ETRI) revisited overview of 802.19.1 as in contributions 19-14/0056r1 and 19-14/0061r0, and explained key features of 802.19.1 standard in detail. Unlike 802.19.1 standards, there is no mandatory requirement of geo-location capability in unlicensed frequency bands. The group agreed that this is one of significant differences between 802.19.1 standard and what CUB SG is going to do. The group finalize tentative timeline as in contribution** 19-15/0011r0

The meeting was recessed at 13:25.

# **Thursday January 15th, 2015 AM2**

The meeting was called to order at 10:35.

### Agenda review

The IG CUB agenda was updated.

**Straw poll: Approve SG CUB agenda (19-15/0002r3) for the January 2015 interim**

**Straw poll passed with unanimous consent**

### Contribution

**Hyunduk Kang (ETRI) presented contribution on consideration on neighbor discovery (19-15/0013r0).**

### Discussion on PAR direction

**Hyunduk Kang (ETRI) explained two options on direction of PAR of SG CUB based on previous discussion on Wednesday. In order to hear the group opinion, Hyunduk Kang (ETRI) run straw poll.**

* **Straw poll: Do you support which direction of PAR for SG CUB?**

1. **A New Standard**
2. **An amendment of 802.19.1**
3. **Too early to decide**

* **1: 0**
* **2: 3**
* **3: 10**
* **Abstain: 0**

**The group agreed to decide direction on PAR on March meeting.**

### Teleconference call schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Day** | **Date** | **Start Time** | **End Time** | **Call Host** |
| Tuesday | February 10 | 5:00 PM Eastern Standard Time | 6:00 PM Eastern Standard Time | Hyunduk Kang |
| Wednesday | February 25 | 6:00 PM Eastern Standard Time | 7:00 PM Eastern Standard Time | Hyunduk Kang |

### March 2015 plenary Objectives

* **Continue to explore study items**
* **Decision on direction of PAR**
  + A new standard
  + An amendment of 802.19.1-2014
* **Prepare draft of PAR and CSD**

The meeting was adjourned at 11:38.

**Attendance**

|  |  |
| --- | --- |
| **Name** | **Affiliation** |
| **Caolyn Heide** | **Ruckus** |
| **Bill Carney** | **Sony** |
| **Hyunduk Kang** | **ETRI** |
| **Takuma Takada** | **HTT Docomo** |
| **Alireza Babaei** | **CableLabs** |
| **Allan Zhu** | **Huawei** |
| **Shoichi Kitazawa** | **ATR** |
| **James Miller** | **InterDigital** |
| **Yonggang Fang** | **ZTE** |
| **Sho Furuichi** | **Sony** |
| **Naotaka Sato** | **Sony** |
| **Ander Myles** | **Cisco** |
| **Alireza Nejatian** | **Ericsson** |
| **Steve Shellhammer** | **Qualcomm** |
| **Harry Wassiell** | **AT&T** |
| **Roger Marks** | **Ethairnet** |
| **Xuehuan Wang** | **Huawei** |
| **James Lepp** | **BlackBerry** |
| **Paul Nikolich** | **802 Chair** |