

**IEEE P802.19**  
**Wireless Coexistence**

**[Meeting Minutes for TVWS Coexistence]**

Date: 2009-04-28

**Author(s):**

| Name             | Company                          | Address  | Phone   | email                       |
|------------------|----------------------------------|--|---|-----------------------------|
| Haiguang<br>Wang | Huawei Technologies<br>Co., Ltd. | Harbour Networks Building,<br>Zhongguancun Software Park,<br>No.8, Dongbeiwang West<br>Road, Haidian District, Beijing,<br>China, 100094 | Tel: +86-10-8282-<br>9148<br>Mobile: +86<br>13693140745 | wanghaiguang@huaw<br>ei.com |
|                  |                                  |  |   |                             |

**Abstract**

In this meeting, Richard Paine@Self presented coexistence use cases on TV White Spaces, document 16r1.

**Notice:** This document has been prepared to assist IEEE 802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

**ATTENDANCE**

| <b>Attendees</b>             |                                |
|------------------------------|--------------------------------|
| <b>Name</b>                  | <b>Affiliation</b>             |
| Steve Shellhammer<br>(Chair) | Qualcomm, Inc.                 |
| Haiguang Wang<br>(Secretary) | Huawei Technologies Co., Ltd.  |
| Alex Reznik                  | InterDigital                   |
| Chen Hou-Shin                | Thomson                        |
| Fangming Xu                  | Samsung                        |
| Gerald Chouinard             | CRC                            |
| Greg Phillips                | AirTegrity Wireless            |
| Herschel Stiles              | Voyant International           |
| Hyunduk Kang                 | ETRI                           |
| Ivan Reede                   | AmeriSys Inc                   |
| Julan Hsu                    | Samsung Electronics            |
| Kaberi Banerjee              | Self                           |
| Mark Cummings                | enVia Technology Partners, Inc |
| Monisha Ghosh                | Philipps                       |
| Paul A. Lambert              | Marvell Semiconductor          |
| Nancy Bravin                 | Self                           |
| Reddy, Ranga                 | CIV USA USAMC                  |
| Richard Paine                | Self                           |
| Richard Kennedy              | Research In Motion             |
| Sung-jin You                 | ETRI                           |
| Thomas Kolze                 | Broadcom                       |
| Wen Gao                      | Thomson                        |
| Tushar Moorti                | Broadcom                       |
| Victor Hou                   | Broadcom                       |

**1.00 Meeting called to order** Steve 2 7:03 pm

The meeting was called to order by Steve Shellhammar.

**2.00 Attendance** Steve 1 7:05 pm

Attendees are required to send their name and organization in through email to the Chair and Secretary.

**3.00 Approval of Previous Meeting Minutes** Steve 3 7:08 pm

The chair required to approve the meeting minutes of previous meeting. However, some attendee asked where the document was. There was no further comment on this issue.

**4.00 Meeting Redial** Steve 1 7:09 pm

Due to the echo problem, the attendees agreed to redial in the meeting.

**5.00 Review IEEE Patent Policy** Steve 1 7:11 pm



Nancy says that broadcasting/rebroadcasting devices are not necessarily to be incumbents.

**Slide 8: Microphone Provider Use of Whitespace**

Mark asks whether, in the presentation, Microphone is a protected device or not a protected device. Richard answers that the microphone is not protected devices.

Mark says that only those microphones registered in the database will be protected. Else, they will not be protected. Gerald has the understanding that if the user of micro phone was not a broadcaster, the database may not accept the registration. Mark disagrees. Concensus on this point is not reached.

**Slide 9: WhiteSpace Home Use Cases**

Richard gave a good explanation of the home use cases.

Mark says that he wants to use the picture to create a use case in which a building with many flats is deployed with white space devices for communication. People will see the congestion in spectrum usage.

Ivan says that, with such a building, the cable TV service provider will plant TV rebroadcaster outside the building and try to occupy as many channels as possible.

Mark mentions that the WI-FI spectrum today in urban area is very congested.

**Slide 10: Home Whitespace Coexistence Use Case**

Richard mentions that he will take the word “fixed” out from the WiMax use cases in this slide.

Some attendee reminds Richard that he should not differentiate the use cases with power level of 100 mW and 40 mW.

**Slide 11: Provider and Home Coexistence Use Case Conclusions**

Richard presented the conclusion of the use cases. After that, the attendees discussed issues about the database. Richard mentions that Mark has attended a meeting of the database consortium group. According to Mark’s opinion, the database service provider will only do what they are required to do.

As there was no time left for Richard Kennedy to present his slides, document 17r0. Steve says Richard Kennedy can give a presentation early in next meeting.

**6.00 Meeting closed**

**Chair 0 8:10 pm**