IEEE P802.19
Wireless Coexistence

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| Mar. 2011 Minutes |
|  Date: 13th to 18th Mar. 2011  |
| Author(s): |
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The document records the IEEE 802.19 WG minutes of 802 Wireless Plenary Session in Singapore March 13-18, 2011

IEEE 802.19 WG Chair: Steve Shellhammer
IEEE 802.19 WG Vice Chair: Ivan Reede
IEEE 802.19 WG Secretary: Junyi Wang

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# MEETING MINUTES

First session of the meeting was called to order on Tuesday 15 Mar. 2011 10:35 AM.

### APPROVE WG AGENDA

The Chair opened the meeting and presented the agenda Document IEEE 802.19-11/25r1

Agenda in Doc 802.19-11/25r1 was approved by unanimous consensus. 9:37AM

**Motion**

To propose the nominations and election for technical editor procedure and update the Agenda accordingly in IEEE 802.19-11/25r2

By M.Kasslin

Seconded by I.Reeded

 YES 18 NO 0 Abstain 2

S. Filin requested to have a short presentation on 1900.7 PAR before colleting comments. The presentation was scheduled in AM1 by the chair

The agenda IEEE 802.19-11/25r2 was approved by unanimous consensus. 9:48AM

### APPROVE MINUTES FROM PREVIOUS SESSION

* The 802.19 WG minutes in doc 801.19-11/17r0 was approved by unanimous consensus 9:50 AM.

### IEEE IPR STATEMENT

The Chair informed the TAG about the IEEE patent policy and showed the set of 5 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>). He directed the secretary to record the fact that this presentation was made in the minutes for the meeting.

* 9:50 AM - The WG Chair made a call for essential patterns: none made.

### REVIEW PARs AND SOLICIT VOLUNTEERS TO DEVELOP COMMENTS

### COMMENTS ON 1900.7 PAR

**IEEE 802.19-11/30r0 Update to P1900.7 PAR and 5C**

Presented by S. Filin, NICT

**Comments on P1900.7 PAR**

* The Scope of the PAR is too broad.
* There was no justification that a new MAC and PHY is required for white space users. Before proposing a brand new PAR the group should present their proposal to one of the many MAC/PHY standards working groups.
* The text in red in the PAR “while avoiding causing harmful interference to incumbent users in these frequency bands” is not required in the scope, since it is required by law.
* Focus their work to adapt 1900.X to existing MAC/PHY standards.
* In the purpose it is stated that this is a “baseline standard.” It is unclear how such a baseline standard should be structured. This is in contradiction to the Scope, which states this is a standard specifying a radio interface, including MAC and PHY.
* The Scope says “white space frequency bands,” is this an unambiguous definition in the industry?
* The different “white space frequency bands” will have different requirements.
* The wide ranges of the radio characteristics, listed in the Purpose, are too broad and are not feasible in a single MAC/PHY standard.
* The amount of work required by this PAR. An alternative would be for the work to develop the requirements for a MAC/PHY, and then have another larger group (e.g. IEEE 802) amend existing MAC/PHY standards to meet those requirements.

Members of 802.11, 802.15, 802.16, 802.19, and 802.22 are all present in the meeting.

The straw poll is not official votes of those WGs.

**STRAW POLL - Straw poll of everyone in the room**

Do you support sending the above comments to the IEEE P1900 White Space Radio Ad Hoc committee and the NesCom Chair?

Yes 20

No 1

**IEEE 802.19 WG Vote**

Do you support sending the above comments to the IEEE P1900 White Space Radio Ad Hoc committee and the NesCom Chair?

Yes 8

No 0

Abstain 14

**Comments on 802.15.8 PSC PAR**

* The scope of the PAR will be replicated exactly in the Scope of the standard. We recommend that you delete the sentence, “(More information regarding this project is provided in Section 8.1.)”
* In the Scope it states that the standard supports “high precision ranging.” Please specify the accuracy of this high precision ranging. For example, is this accurate to one foot or one inch?
* In the Purpose, it says that there are many PSC devices currently, which are not interoperable. How does creating a new MAC and PHY satisfy that these devices will now be interoperable?
* In the 5C Technical Feasibility Sections 4a, 4b and 4c, it states that there have been simulations, laboratory testing and prototyping showing feasibility. Please provide references to documents on these simulation results, laboratory testing and prototyping.
* In the 5C Distinct Identity Section 3 iii, it states that the PSC standard will support fast association. Please give an explanation of how long is “fast association.”

**802.19 Vote**

Do you approve the above comments on the 802.15.8 PAR?

Yes 14

No 0

Abstain 3

### UPDATES ON 802 ARCHITECHTURE ACTIVITIES

The chair called any WG business or discussions. 2:40 PM None made.

The WG recessed 2:42 PM.

### Wednesday AM2

Called to order 10:33AM

The chair announced that there would be a joint session between WG and 15.4e in Thursday AM1

The chair made a call for any other business in WG. None made.

The session recessed 10:36AM

### Thursday AM1 Joint session with IEEE 802.15 TG4e

Called to order 8:10

**IEEE802.15.4e Coexistence Assurance Document IEEE 802.15-10/737r0**

The chairof IEEE 802.15 TG4e Patrick Kinney, Kinney Consulting LLC presented the main techniques and discussed with IEEE 802.19 group on how these techniques may impact the coexistence.

### Thursday PM1

Called to order 2:40PM

Agenda in Doc was approved by unanimous consensus.

**TELECONFERENCE SCHEDULING**

The chair call objections to the set the teleconference as follow. None made. 2:50PM

Conference calls are scheduled on the following weeks

Wednesday Mar 30 0:10AM EDT

Wednesday Apr 13 7:10AM EDT

Wednesday Apr 27 0:10AM EDT

Wednesday May 4 7:10AM EDT

Duration 1:30 hours

**Discuss liaison with wireless innovation forum**

There were some discussions whether we need and how to have this liaison, the group believed that database interface is not the main job of our group, and FCC may also disclose the database design soon, so it is no clear requirement that we need a liaison with wireless innovation forum.

**Discuss liaison with 802.11, 802.15, 802.18, 802.22**

The chair called volunteers for the above liaison. The results were as followed:

802.11 P. Varshney

802.15 TBD

802.22 I. Reede

802.18 J.Wang

### NEW BUSINESS

The WG chair called for any new business. 3:03 AM

**Motion**

To adjourn the WG Singapore meeting

By I.Reede

Seconded by J. Kwak

Motion passed by unanimous consensus.

Meeting adjourned 9:40 PM

# Annex 1: Attendance

|  |  |  |  |
| --- | --- | --- | --- |
| Last Name | First Name | Middle Name | Affiliation |
| Barr | John |  | JRBarr, Ltd. & NiCT |
| Baykas | Tuncer |  | NICT |
| Carney | William |  | Sony Corporation |
| Cheong | Minho |  | ETRI |
| Choi | In-Kyeong |  | ETRI |
| Choi | Jee-Yon |  | ETRI |
| Filin | Stanislav |  | NICT |
| Gloger | Reinhard |  | Nokia Siemens Networks |
| Gundlach | Michael |  | Nokia Siemens Networks |
| Harada | Hiroshi |  | NICT |
| HONG | HEON-JIN |  | ETRI |
| Hwang | Sung | Hyun | ETRI |
| Iso | Akio |  | NICT |
| Jeong | Byung | Jang | ETRI |
| jo | junho |  | LG ELECTRONICS |
| Junell | Jari |  | Nokia |
| Kafle | Padam |  | Nokia Corporation |
| Kang | Hyunduk |  | ETRI |
| KANG | Kyu-Min |  | ETRI |
| Kasslin | Mika |  | Nokia Corporation |
| Kim | Byoung-Hoon |  | LG ELECTRONICS |
| Kim | Eun | Sun | LG ELECTRONICS |
| Kim | Jinkyeong |  | ETRI |
| Kim | Suhwook |  | LG ELECTRONICS |
| Kim | Yongsun |  | ETRI |
| kim | yunjoo |  | ETRI |
| Ko | Gwangzeen |  | ETRI |
| Kojima | Fumihide |  | NICT |
| Kwak | Joseph |  | InterDigital Communications, LLC |
| Lan | Zhou |  | NICT |
| Lee | Daewon |  | LG ELECTRONICS |
| Lee | Donghun |  | ETRI |
| lee | hoosung |  | ETRI |
| Lee | Jae | Seung | ETRI |
| Lee | Jihyun |  | LG ELECTRONICS |
| Lee | Yuro |  | ETRI |
| Liru | Lu |  | NICT |
| Pirhonen | Riku |  | Self Employed |
| Reede | Ivan |  | AmeriSys Inc. |
| Reznik | Alex |  | InterDigital, Inc. |
| Roh | Dongwook |  | LG ELECTRONICS |
| Sato | Naotaka |  | Sony Corporation |
| Sawai | Ryo |  | Sony Corporation |
| Seok | Yongho |  | LG ELECTRONICS |
| Shellhammer | Stephen |  | Qualcomm Incorporated |
| Song | Chunyi |  | NICT |
| Sum | Chin-Sean |  | NICT |
| Sun | Chen |  | NICT |
| SUN | Liping |  | Panasonic Singapore Lab |
| Tran | Ha | Nguyen | NICT |
| Varshney | Prabodh |  | Nokia |
| Wang | Junyi |  | NICT |
| Watanabe | Fujio |  | NTT DoCoMo, Inc. |
| Woo | Pyo | Chang | NICT |