IEEE P802.19
Wireless Coexistence

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| TG1 September 2012 Interim Minutes |
|  Date: 2012-09-20 |
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The document contains the IEEE 802.19 TG1 minutes from the September 2012 interim.

# **Monday September 17th, 2012 AM2**

The meeting was called to order at 11:15.

### Call for secretary

Nobody from the TG volunteered for secretary for the meeting and the acting TG chair continued as the recording secretary for the TG.

### IEEE IPR statement

The chair informed the TG 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>).

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

### Review objectives for this session

Objectives of the session were discussed. The chair noted that the objective is to improve the quality of the draft by resolving comments from the previous WG LB and by filling in the holes in the draft so that the TG can ask the WG to start a new WG LB on an updated draft.

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

The chair gave an introduction to agenda proposal in 19-12/0147r1. There were requests to have time allocated for a set of contributions. The agenda was modified to give time for contributions at requested meetings. The modified agenda in 19-12/0147r2 was approved unanimously.

The meeting was recessed at 12:20.

# **Monday September 17th, 2012 PM1**

The meeting was called to order at 13:30.

### Call for submissions

The chair called for new submissions to the agenda. No new submissions were announced.

### Topic 1: Connection setup and security

The chair gave introduction to the topic based on contribution 19-12/0149r0.

Jinho Kim of LGE gave a presentation about coexistence protocol overview description in contribution 19-12/0152r0.

**Motion#1: The IEEE 802.19.1 system shall communicate using TCP/IP**

**Moved by: Ivan Reede**

**Seconded by: Jinho Kim**

**Motion passes with unanimous consent**

It was noted that more time is needed to consider use of SSDP for service discovery and to select the security solution for the IEEE 802.19.1.

### Topic 2: Configuration of pull and push methods

The chair gave introduction to the topic based on contribution 19-12/0149r0.

Various alternative solutions were discussed and the decision was to continue discussion after the coffee break.

The meeting was recessed at 15:25.

# **Monday September 17th, 2012 PM2**

The meeting was called to order at 16:10.

### Topic 2: Configuration of pull and push methods

Discussion on different alternative solutions continued. None were selected.

### Topic 3: Protocol description for section 5

The chair gave introduction to the topic based on contribution 19-12/0149r1.

The chair recommended that some new sub-sections would be added to the section 5 to describe use of different identifiers in the IEEE 802.19.1 system messages.

### Topic 4: Mandatory and optional features

The chair gave introduction to the topic based on contribution 19-12/0149r1.

The group discussed on what is meant with parameters which are marked as optional in the messages. On the message level it means that the parameter doesn’t have to be present in every single message. It was discussed whether the marking has some direct implications to question on whether related functionality is optional as well.

It was noted that the current message descriptions occasionally misuse term optional in cases when term choice would be the more appropriate term. S.Filin, H.Kang and M.Kasslin took an action to come up with a proposal to fix the problem in the current message descriptions.

The group also discussed on whether profiles should be introduced to the draft to allow different type of entity implementations. Effects of the profiles were discussed.

The meeting was recessed at 17:57.

# **Tuesday September 18th, 2012 AM1**

The meeting was called to order at 8:07.

### Topic 4: Mandatory and optional features

The group continued discussion on use of profiles to allow different type of entity implementations.

**Straw poll**

* 1. **A CDIS shall be able to provide coexistence discovery service to any type of CM**
	2. **A CM shall be able to exchange information with any other type of CM**

**Approach 1**

* 1. **A CM shall support all CE profiles**

**Approach 2**

* 1. **A CM doesn’t have to be able to serve all CE profiles, a CM shall be able to support at least one CE profile**

**How many supports Approach 1? 3**

**How many supports Approach 2? 6**

**Straw poll**

**Are you strongly against Approach 2? Y/0, N/7, A/2**

**Straw poll**

**Are you strongly against Approach 1? Y/5, N/3, A/1**

The meeting was recessed at 9:57.

# **Tuesday September 18th, 2012 AM2**

The meeting was called to order at 10:30.

### Topic 5: What is mandatory in a CE and in a CM?

The group discussed the topic based on the 19-12/0149r2.

J.Kim of LGE gave a presentation on the 19-12/152r1.

The meeting was recessed at 12:15.

# **Tuesday September 18th, 2012 PM1**

The meeting was called to order at 13:11.

### New contributions

D.Lee of ETRI gave a presentation on the 19-12/0165r0.

### Topic 6: What is mandatory in a CDIS?

The group discussed the topic based on the 19-12/0149r2.

The meeting was recessed at 15:15.

# **Tuesday September 18th, 2012 PM2**

The meeting was called to order at 16:00.

### New contributions

S.Filin gave a presentation of 19-12/0151r0.

S.Filin gave a presentation of 19-12/0153r0.

S.Filin gave a presentation of 19-12/0154r0.

S.Filin gave a presentation of 19-12/0155r1.

S.Filin gave a presentation of 19-12/0156r0.

S.Filin gave a presentation of 19-12/0157r0.

- It was agreed that the TG editor will add confirmation primitive to the figure.

S.Filin gave a presentation of 19-12/0158r0.

- It was agreed that the TG editor will add confirmation primitive to the figure.

S.Filin gave a presentation of 19-12/0159r0.

S.Filin gave a presentation of 19-12/0160r1.

S.Filin gave a presentation of 19-12/0161r0.

S.Filin gave a presentation of 19-12/0162r0.

S.Filin gave a presentation of 19-12/0163r0.

Tsuyoshi Shimomura of Fujitsu gave a presentation 19-12/0166r0.

The meeting was recessed at 17:30.

# **Wednesday September 19th, 2012 AM1**

The meeting was called to order at 08:00.

### Call for submissions on comment resolutions

The chair called for submissions. None were announced.

### Topic 7: Inside CDIS

The group discussed the topic based on 19-12/0149r3.

### New contributions

J.Kim of LGE gave a presentation on the 19-12/152r1.

The meeting was recessed at 10:00.

# **Wednesday September 19th, 2012 AM2**

The meeting was called to order at 10:30.

### New contributions

Discussion on the 19-12/152r1 continued.

**Motion#2: The IEEE 802.19.1 system shall communicate using SSH and TLS**

**Moved by: Ivan Reede**

**Seconded by: Jinho Kim**

**Motion passes with unanimous consent**

The meeting was recessed at 11:40.

# **Wednesday September 19th, 2012 PM1**

The meeting was called to order at 13:37.

The chair presented the 19-12/149r4 with proposed topics for motions on Thursday, September 20th, 2012.

### New contributions

D.Lee of ETRI gave a presentation on the 19-12/0167r0.

D.Lee of ETRI gave a presentation on the 19-12/0168r0.

D.Lee of ETRI gave a presentation on the 19-12/0169r0.

D.Lee of ETRI gave a presentation on the 19-12/0170r0.

D.Lee of ETRI gave a presentation on the 19-12/0171r0.

D.Lee of ETRI gave a presentation on the 19-12/0172r0.

D.Lee of ETRI gave a presentation on the 19-12/0173r0.

D.Lee of ETRI gave a presentation on the 19-12/0174r0.

D.Lee of ETRI gave a presentation on the 19-12/0165r1.

D.Lee of ETRI gave a presentation on the 19-12/0175r0.

D.Lee of ETRI gave a presentation on the 19-12/0176r0.

D.Lee of ETRI gave a presentation on the 19-12/0177r0.

D.Lee of ETRI gave a presentation on the 19-12/0178r0.

D.Lee of ETRI gave a presentation on the 19-12/0179r0.

D.Lee of ETRI gave a presentation on the 19-12/0180r0.

D.Lee of ETRI gave a presentation on the 19-12/0181r0.

D.Lee of ETRI gave a presentation on the 19-12/0182r0.

D.Lee of ETRI gave a presentation on the 19-12/0183r0.

D.Lee of ETRI gave a presentation on the 19-12/0184r0.

Discussion on contribution 19-12/0165r1 continued.

The TG1 agenda was modified as shown in 19-12/0147r3.

**Motion#3: To approve TG1 agenda as shown in 19-12/0147r3**

**Moved by: Ivan Reede**

**Seconded by: Stanislav Filin**

**Motion passes with unanimous consent**

The meeting was recessed at 15:30.

# **Thursday September 20th, 2012 AM2**

The meeting was called to order at 10:30.

### Review and vote on submissions

**Motion#4: Modify the IEEE 802.19.1 draft DF2.08 as described in 19-12/0151r1, 19-12/0153r0, 19-12/0154r1, 19-12/0155r2, 19-12/0156r1, 19-12/0157r1, 19-12/0158r0, 19-12/0159r1, 19-12/0160r1, 19-12/0161r0, 19-12/0162r0, and 19-12/0163r0.**

**Moved by: Stanislav Filin**

**Seconded by: Hyunduk Kang**

**Vote: 11/Y, 0/N, 0/A**

**Motion passes**

**Motion#5: Modify the IEEE 802.19.1 draft DF2.08 as described in 19-12/0167r1, 19-12/0168r1, 19-12/0169r1, 19-12/0170r1, 19-12/0171r1, 19-12/0172r1, 19-12/0173r1, 19-12/0174r1, 19-12/0175r1, 19-12/0176r1, 19-12/0177r1, 19-12/0178r1, 19-12/0179r1, 19-12/0181r1, 19-12/0182r1, 19-12/0183r1, and 19-12/0184r1.**

**Moved by: Hyunduk Kang**

**Seconded by: Stanislav Filin**

**Vote: 13/Y, 0/N, 0/A**

**Motion passes**

**Motion#6: Modify the IEEE 802.19.1 draft DF2.08 as described in 19-12/0165r1.**

**Moved by: Jinho Kim**

**Seconded by: Stanislav Filin**

**Vote: 12/Y, 0/N, 1/A**

**Motion passes**

**Motion#7: IEEE 802.19.1 system shall operate as per the following principles**

* + **A CDIS shall be able to provide coexistence discovery service to any type of CM**
	+ **A CM shall be able to exchange information with any other type of CM**
	+ **A CM doesn’t have to be able to serve all profiles but a CM shall be able to support at least one profile**

**Moved by: Stanislav Filin**

**Seconded by: Hyunduk Kang**

**Vote: 13/Y, 0/N, 1/A**

**Motion passes**

**Motion#8: The following shall apply to each IEEE 802.19.1 compliant CE**

* + **Each CE shall support basic procedures (e.g. authentication, subscription, registration)**
	+ **Each CE shall support at least one profile**
		- **A profile determines which procedures are mandatory and which are optional. A profile covers also the basic procedures.**
		- **A profile determines which messages, parameters and functions are mandatory and which are optional.**
	+ **Each CE shall support at least management service or information service or may support both. Its support may be dependent on the WSO it interfaces.**
	+ **Each CE shall interface a WSO to a CM**

**Moved by: Hyundyk Kang**

**Seconded by: Stanislav Filin**

**Vote: 15/Y, 0/N, 0/A**

**Motion passes**

**Motion#9: The following shall apply to each IEEE 802.19.1 compliant CM**

* + **Each CM shall support basic procedures (e.g. authentication, subscription, registration)**
	+ **Each CM shall support at least one profile**
		- **A profile determines which procedures are mandatory and which are optional. A profile covers also the basic procedures.**
		- **A profile determines which messages, parameters and functions are mandatory and which are optional.**
	+ **Each CM shall support both management service and information service**

**Moved by: Ivan Reede**

**Seconded by: Stanislav Filin**

**Vote: 15/Y, 0/N, 0/A**

**Motion passes**

**Motion#10: The following shall apply to each IEEE 802.19.1 compliant CDIS**

* + **Each CDIS shall support basic procedures (e.g. authentication, subscription, registration)**
	+ **Each CDIS shall be able to provide coexistence discovery service to any type of CM**

**Moved by: Hyunduk Kang**

**Seconded by: Stanislav Filin**

**Vote: 15/Y, 0/N, 0/A**

**Motion passes**

**Motion#11: Request the TG editor to prepare by September 28, 2012, a new 802.19.1 draft which builds upon the DF2.08 and incorporates the changes approved by the TG1 during the May 2012 interim, the July 2012 plenary and the September 2012 interim meetings.**

**Moved by: Ivan Reede**

**Seconded by: Hyunduk Kang**

**Vote: 15/Y, 0/N, 0/A**

**Motion passes**

**Motion#12: Kindly ask the 802.19 WG chair to start a WG Letter Ballot on a new 802.19.1 draft no later than October 1, 2012.**

**Moved by: Ivan Reede**

**Seconded by: Stanislav Filin**

**Vote: 15/Y, 0/N, 0/A**

**Motion passes**

### Plan for November and teleconferences

The TG1 agreed to have 90 minute teleconferences on the following dates starting at 1:00 AM Eastern Time:

October 10, 2012

October 24, 2012

October 31, 2012

November 7, 2012

Agenda topics will be as follows: a) Updates to sections 6-8, b) Profiles, c) CDIS-to-CDIS, d) Comments from the WG LB

The meeting was adjourned at 11:46.