IEEE P802.19  
Wireless Coexistence

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| TG 1 May 2012 Minutes | | | | |
| Date: 14th to 17th May 2012 | | | | |
| Author(s): | | | | |
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The document records the IEEE 802.19 TG 1 minutes during May 2012 session.

IEEE 802.19 TG 1 Chair: [Tuncer](mailto:shellhammer@ieee.org) Baykas   
IEEE 802.19 TG 1 Vice Chair: Mika Kasslin  
IEEE 802.19 TG 1 Acting Secretary: Tuncer Baykas

# **Monday PM 2**

First session of the meeting was called to order by the TG Chair Tuncer Baykas on May 14th, 2012, Monday at 4:00 PM.

### APPROVE TG AGENDA

The chair presented the working group agenda in the document 802.19-12/86r1

Agenda in the Document 802.19-12/86r1 was approved by unanimous consent.

### APPROVE MINUTES FROM PREVIOUS SESSION

* The 802.19 TG minutes in the document (12/49r0) and teleconference minutes (12/50r0), (12/53r0), (12/55r0), (12/85r0) was approved by unanimous consent.

### 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>). He directed the secretary to record the fact that this presentation was made in the minutes for the meeting.

* 4:10 PM - The TG Chair made a call for essential patents: No one came forward with essential patents.

TG Chair presented opening report 802.19-12/87r2

* **Letter ballot failed**
  + **Yes 17**
  + **No 15**
  + **Abstain 2**
* **273 Comments received**
  + **185 Technical comments**
  + **5 General Comments**
  + **83 Editorial Comments**

Group discussed how to go forward with the comment resolutions

Mika Kasslin presented the document IEEE 802.19 Letter Ballot 16 Comments List (12/52r5).

Group decided to focus on technical comments starting with chapter 4 and continue.

**Group discussed CID #10,**

Proposed change from commenter is accepted in principle. Editor will provide changes according to ASN.1 rules.

**Group discussed CID #11, CID#12.**

Group decided to skip resolutions.

**Group discussed CID #13, CID#14,**

Stanislav Filin presented resolution 12/59r0

Group discussed why Serverpassword is needed. Stanislav Filin said that Serverpassword is needed for two way authentication.

Ivan Reede indicated that this system is not secure. He prefers shh tunnel.

Stanislav Filin indicated that if there is another resolution he is open to check it.

Group added resolutions to CID #13, CID#14.

**Group discussed CID#11,**

Stanislav Filin indicated that the driver obtains information during the subscription process.

Stanislav Filin volunteered to provide a comment resolution.

**Group discussed comments #16,17 and 18**

Stanislav Filin presented 12/60r0 and 12/70r0

Junho Lee asked if there is choice or multiple error messages can be provided.

Stanislav Filin asked only one can happen.

Hyunduk Kang asked for explanations. Stanislav Filin said that it should be done for all data types.

Hyunduk Kang asked if Stanislav Filin has some contributions ready how the error messages can be handled.

Mika Kasslin indicated that it could be ok to provide more information to senders.

Ivan Reede updated the resolution to include that error indication.

Ivan Reede asked how errornetworkfailure works?

**Group discussed comments #19, 20, 21**

Stanislav Filin presented 12/61r0.

Mika Kasslin asked why is this put in service subscription and why not in registration?

Hyunduk Kang agreed.

Group agreed with initial resolutions.

Mika Kasslin indicated that network failure between CM and CDIS can happen and it could be reported to CE. Lee indicated that one more error could be added "error unknown"

Group agreed to add “error unknown” to resolution.

**Group discussed comments #22,23,24**

Proposed change from commenter is accepted to be added as resolution.

WG recessed at 6:00 PM.

# ****Tuesday AM1****

Mika Kasslin 12/52r6

**Motion to approve all comment resolutions stated in document 12/52r6 for letter ballot #16**

By Ivan Reede

Seconded by Mika Kasslin

No discussion

Yes: 5 No:0 Abstain:0

Motion Passed.

**Group discussed comment number #25 from 12/52r6**

Dongun Lee presented 12/90r0

Stanislav Filin asked why confirm is needed in registration procedure?

Stanislav Filin indicated that confirm is not needed since CE starts the procedure.

MIka Kasslin agreed and stated that we are not controlling the WSO but only CE.

Stanislav Filin indicated that for the registration indication procedure confirm could be needed.

Hyunduk Kang indicated that confirm is used in authentication but not in registration.

Stanislav Filin agreed that registration and authentication should be the same.

Mika Kasslin said that it should be cleaned up and confirm should not be used in both cases.

Ivan Reede indicated that it could be needed in some cases.

Hyunduk Kang said that confirm could be needed since many entities are participating.

Stanislav Filin said in most cases we have confirm.

Takeo Mori said that WSO needs to know if the procedure between CE and CM completed or not.

Mika Kasslin asked if anyone is against adding confirm. No one came forward.

Stanislav Filin added that status should be added inside the primitive. Group agreed.

Stanislaf Filin asked if we wanted to indicate that procedures are changed.

Mika Kasslin indicated that it is editorial changes and they will be applied.

**Comments #26,27,29,30,31 are discussed.**

Stanislav Filin presented 12/53r0

Mika Kasslin asked why FCCID is removed in the comment. Stanislav Filin indicated that thay are not used.

Ivan Reede indicated that there could be many WSOs and one CE. Stanislav Filin indicated that one WSO is controlled by one CE. Ivan Reede indicated that keeping this information could be beneficial.

Stanislav Filin indicated is there any objection to add status and available channel information in registration.

Mika Kasslin indicated that available channels can be empty.

Group agreed to accept to add status and availablechannelsinformation and removing networkid type for all comments as comment resolution.

**Comment #28 is discussed.**

Stanislav Filin indicated that networkid and networktechnology is not duplicated.

Comment rejected.

**Comment #32 is discussed.**

Group agreed with the proposed change

Editor will provide resolution.

**Comment #33 is discussed.**

Group agreed that it is resolved with the resolution of Comment 26.

**Comment #34 is discussed.**

Proposed change is accepted as resolution, editor will provide the definitions.

**Comment #35 is discussed**

Rejected. Information is different.

**Comment #36** **is discussed**

Group discussed if total occupancy can be measured by WSO or not.

Stanislav Filin indicated that if same type WSOs share the same channel, total occupancy can be provided.

Group agreed with the resolution

**Comments #37,38 are discussed**

Suggested change is accepted in principle.

Editor will resolve in line with resolution to comment 26.

**Comment #39 is discussed,**

Stanislav Filin presented 12/64r0,

Group agreed that the resolution comment #25 applies for this comment.

**Comment #40 is discussed**

Agreed to resolve with the proposal of the commenter. Status parameter is added and ASN.1 definition corrected.

**Comment #41 is discussed**

Donghun Lee presented 91r0,

Accepted.

Group recessed at 9:50AM

# Tuesday AM2

Chair called to order at 10:30AM

**Comments #42,43 are discussed**

S. Filin presented 12/66r0

Resolution in 12/66r0 is accepted

**Comments #44 is discussed**

S. Filin is presented 12/67r0

Resolution in 12/67r0 is accepted partially.

Data type “Status” is added.

Comment #45 is discussed

Suggested change is accepted in principle as resolution.

**Comments #46 is discussed**

Suggested change is accepted in principle as resolution.

**Comments #47,48 are discussed**

Stanislav Filin presented 12/68r0

It is suggested to add clause 4.2.2.8

Mika Kasslin asked why indication and response is used.

Stanislav Filin indicated that since CE and WSO are coupled and using indication is enough.

Group accepted the resolution.

**Comment #50 is discussed**

12/92r1 is presented

Taeko Mori indicated that http can be use for communication between CE an CM.

Lee indicated that we need to limit the options.

Stanislav Filin is against limiting the options.

Jinho Kim indicated that snmp is in application layer and it will create problems.

Stanislav Filin indicated that ssh can be used.

Group agreed to have

“tcp,

... “

as transport types as a resolution.

**Comments #51 and 52 are discussed**

Stanislav Filin presented 12/70r0

Resolution in 12/70r0 added as resolution of the comment.

**Comment #53 is discussed**

Stanislav Filin presented 12/73r0

Resolution in 12/73r0 added as resolution of the comment.

**Comment #54 is discussed**

Stanislav presented 12/74r0

Resolution in 12/74r0 added as resolution of the comment.

**Comment #55 is discussed**

Suggested resolution is accepted in principle.

Editor will provide a final resolution.

**Comment #56 is discussed**

Stanislav Filin provided 12/72r0.

Indicated that it is section 4 and it is between WSO and CE.

Resolution in 12/72r0 added as resolution of the comment.

**Comment #56 is discussed**

Suggested resolution is accepted in principle editor will check the value.

**Comment #58 is discussed**

Stanislav Filin presented 12/71r0.

Resolution in 12/71r0 added as resolution of the comment.

TG recessed at 12:20PM.

# ****Tuesday PM1****

Chair called to order at 2:00 PM

**Comment #59 is discussed**

Stanislav Filin presented 12/69r0.

Resolution in 12/69r0 added as resolution of the comment.

**Comment #60 is discussed**

Stanislav Filin presented 12/75r0.

Resolution in 12/75r0 added as resolution of the comment.

**Comment #61 is discussed**

Ryo Sawai presented 12/88r0

Mika Kasslin stated that the algorithms are optional. There should be a way to indicate that which parameters are optional and which are not.

Stanislav Filin asked is it can be done by PICS?

Mika Kasslin indicated that it could be hard.

Resolution in 12/88r0 added as resolution of the comment.

**Comment #62 is discussed**

Suggested change by the commenter added as resolution of the comment.

**Comment #63 is discussed**

Suggested change by the commenter added as resolution of the comment.

**Comment #64 is discussed**

Comment rejected

**Comment #49 is discussed**

Stanislav Filin indicated ASN.1 definitions of the primitives similar to message definition in clause 5.3 should be added.

Suggest change is accepted in principle. A proposal will be created by the editor.

**Comment #116 is discussed**

Group decided that resolution of comment 36 is valid for comment 116.

**Comment #117 is discussed**

Group decided that resolution of comment 28 is valid for comment 117.

**Comment #117 is discussed**

Group decided that resolution of comment 28 and 36 is valid for comment 117.

**Comment #121 is discussed**

Group decided that resolution of comment 41 is valid for comment 121.

**Comment #134 is discussed**

Suggest change is accepted as a resolution.

Group recessed at 3:30 PM

# ****Tuesday PM1****

Chair called to order at 4:00 PM

**Comments #69,75,83,86,89 are discussed.**

12/84r0 is presented.

Groups accepted a modified version of 84r0 to resolve comments #69,75,83,86,and 89.

TG recessed at 12:20PM.

Wednesday AM2,

TG Chair called group to order at 10:30AM.

**Comments #11,12 are discussed.**

Accepted in principle with a resolution provided in 12/52r8.

**Group decided to rediscuss Comment #59,**

Groups accepted to modify the resolution according to 12/52r8.

**Comment #68 is discussed**

12/104r1 is presented.

Comment accepted in principle.

**Comments #67 and 73 are discussed.**

Comment accepted in principle.

Explanation is provided in 12/52r8.

**Comment #79 is discussed**

Suggested resolution is accepted in principle

Editor will provide an example.

**Comment #81 is discussed**

Suggested resolution is accepted in principle

Editor will provide an example.

**Comment #74 is discussed**

12/103r0 is presented

Comment accepted in principle. CM\_Registration\_Request should be kept.

TG recessed at 12:00 PM

Wednesday PM1,

Chair called the group to order at 1:35PM

**Comment #85 is discussed**

12/97r0 is presented to provide a resolution.

Resolution accepted.

**Comment #93 is discussed**

12/98r0 is presented.

Resolution accepted.

**Comment #102 is discussed**

12/99r0 is presented.

Resolution is accepted.

**Comment #122 is discussed**

12/101r0 is presented.

Resolution accepted.

**Comment #123 is discussed**

Document 12/95r0 is presented

Group decided to keep the resolution open.

**Comment #128 is discussed**

Document 12/96r0 is presented to provide a resolution.

12/96r0 is accepted as resolution

**Comment #65 is discussed**

Groups discussed that where the primitives should be discussed.

Stanislav Filin indicated that it is done in other standards.

Mika Kasslin agreed.

Group agreed to reject the comment and to keep the primitives in chapter 4.

**Comment #66 is discussed**

Suggested change is accepted in principle. Resolution provided in 12/52r9

**Comment #71 and 72 are discussed**

Accepted with resolution of comment #11

**Comment #76 is discussed**

Suggested change is accepted in principle as resolution.

**Comment #80 is discussed**

Suggested change is accepted in principle as resolution.

**Comment #84 is discussed**

Comment accepted in Principle

**Comment #90 is discussed**

Suggested change is accepted as resolution.

**Comment #101 is discussed**

Suggested change is accepted as resolution.

**Comment #104 is discussed**

Suggested change is accepted in principle.

text will be updated.

**Comment #110 and 111 are discussed**

Accepted in Principle

The procedure description will be added

**Comment #112 and 125 are discussed**

Suggested change is accepted as resolution.

**Comment #115 is discussed**

Accepted in principle

**Comment #118 is discussed**

Resolved with the resolution of comment #28

**Comment #120 is discussed**

Accepted in principle

Resolved with the resolution of comment #29

Group recessed at 3:00 PM.

Wednesday PM2

Chair called to order at 4:00 PM

**Comments #172,173,174, 175,176 and 177 are discussed**

12/16r4 is presented.

Resolutions accepted.

**Comment #178 is discussed**

Comment decided to be kept open.

**Comment #180 is discussed**

Accepted in principle as resolved 25

**Comment #164 is discussed**

Document 12/42r1 is presented.

Group will discuss the resolution on Thursday.

**Comment #273 is discussed**

Comment is invalid.

**Comments #1,2 are discussed**

Accepted, Technical editor will provide the text.

**Comments #3,4 are discussed**

Accepted.

Motion to update TG 1 agenda 12/86r2 approved with unanimous consent.

TG recessed at 5:30 PM

Thursday AM2

Chair called the group to order at 10:35AM

**Comment 164 is discussed**

12/42r1 is presented

Accepted in principle.

Motion to approve resolutions stated in IEEE 802.19-12/52r09

By Mika Kasslin

Seconded by Stanislav Filin

No discussion

8 Yes

0 No

1 Abstain

Motion passed.

TG recessed at 12:00 PM

Thursday AM2

Motion to approve resolutions stated in IEEE 802.19-12/52r10

By Mika Kasslin

Seconded byStanislav Filin

No discussion

Yes 8

No 0

Abstain 0

Motion passed.

### Mika Kasslin presented Radio system coexistence in a cognitive radio testbed 802.19-12/21r0.

### TELECONFERENCE SCHEDULING

The teleconferences were scheduled as follows.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Day | Date | Start Time | End Time | Call Host |
| Wednesday | May 30 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |
| Wednesday | June 6 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |
| Wednesday | June 20 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |
| Wednesday | June 27 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |
| Wednesday | July 4 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |
| Wednesday | July 11 | 1:00 AM Eastern Daylight Time | 3:00 AM Eastern Daylight Time | Tuncer Baykas |

Motion to adjourn approved unanimously.