IEEE P802.19
Wireless Coexistence Working Group

Project	IEEE 802.19 Wireless Coexistence Working Group (WG)		
Title	**Memo of Teleconference Call of TG1 System Requirements Ad Hoc Group, 2010 Feb 16**		
Date Submitted	[Feb 2010]		
Source	[Tuncer Baykas] [NICT] [Yokosuka,Japan]	Voice: Fax: E-mail:	[ ] [ ] tbaykas@ieee.org
Re:			
Abstract	Minutes of Feb 16th teleconference		
Purpose	Minutes of Feb 16th teleconference		
Notice	This document has been prepared to assist the IEEE P802.19. 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.		
Release	The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.19.		

<u>Memo of Teleconference Call of TG1 System Requirements , Feb 16, 2010</u>
Date: Feb 16th, 2010, 6:00am in EST

Attendees:

Ivan Reede (Amerisys), Joe Kwak (InterDigital), Gabriel Villardi, Tuncer Baykas, Chen Sun, Yohannes Alemseged, Ha Nguyen Tran, Stanislav Filin, Junyi Wang, Hiroshi Harada (NICT), Päivi Ruuska (Nokia), Reinhard Gloger (Nokia Siemens Networks), Rashid Saeed (TMRND)

Discussed Documents:
19-10-0031-00-0001- P802-19-1-Requirements, Yohannes Alemseged (NICT)

Action Items:
1. Group will continue discussion on Feb 23th teleconference.

What discussed:

1 Discussion on P802-19-1-Requirements (19-10-0031)
    1.1 Comment from Päivi Ruuska: The document captured requirements quite well. It is a very good baseline for requirements section of SDD. Some new requirements could be added and some could be changed according to discussion in the group.

    1.2 Comment from Joe Kwak : Many of these so called requirements may not actually be requirements. Maybe there is a misunderstanding how to draft requirements to some degree. Many of the requirements in your document are options. Requirements should be for all the system.

    1.3 Comment for Paivi Ruuska: These are the requirements what the standard should provide. Not every implementation shall employ all parts of the standard.

1.4   Comment from Joe Kwak : My understanding of SDD is that it should include system description of the requirements. The requirements should be implemented at all cases. Second requirement can be an option of the system. We should have only very small number of requirements. It should be requirements of the system but not the standard.

1.5   Yohannes: I believe we should have system requirements but not standard requirements. But the platform should bring all requirements for different systems.

1.6   Stanislav Filin: The document is prepared while thinking 802.19.1 system as a whole without going into details.

1.7   Ivan Reede: About Requirement #2, may a rewording is needed. The .19.1 radio should be aware if there is a coexistence problem and how severe it is. Maybe this requirement should be the first one, since it is so important.

1.8   Yohannes: Before you need any other resource you need to achieve coexistence, a device should be aware of its environment. All compliant 19.1 devices should be aware of their environments. I agree with you that it is the first step to achieve a solution.

1.9   Reinhard Gloger: We need to look at the architecture first then for the requirements.

1.10   Yohannes: Whatever the architecture is, the requirements we mention here should be satisfied. The requirements we mentioned here are very very high level.

1.11   Ivan Reeder: There are 2 kinds of requirement in the documents.1) System requirements, 2) Possible solutions for example #1. We need to focus with the first kind. We shouldn't direct people towards our solutions.

1.12   Joe Kwak: We are discussing requirements without knowing the boundaries of the architecture. For example if we accept fully autonomous solution, then communication requirement is not necessary.

1.13   Yohannes: We are not considering autonomous networks but autonomous decision making. We discussed in LA what the guidelines for requirements,

"Provide wording for system requirements for the coexistence system as a single entity. Provide general functional requirements, which should be categorized according to the following categories.
- Discovery
- Communications

- Etiquette
- Algorithms
- General"

We prepared requirements according to these guidelines.

1.14 Ivan Reede: The input is very valid. Some requirements are depended on architecture. We may prioritize requirements. There are some of them which are absolutely required and some are desirable items.

1.15 Yohannes: Optional items are not strong as requirements and we may discuss if optional requirements should be part of this group or not in coming discussions.

1.16 Stanislav Filin: It would be nice if we move forward. Could interested people submit comments for us to understand what should be changed.

1.17 Paivi Ruuska: I agree with Stanislav. I believe this documents is a good baseline and people can send their comments about this document to improve the result. I also agree with Ivan and Joe we can classify requirements.

1.18 Joe Kwak: We can have "may" requirements to go forward. Especially this time when nothing is fixed yet.

1.19 Stanislav Filin: For any change suggestion, it would be better if rationale behind that is given.

2 Tuncer Baykas: Thank you very much. Please provide comments to reflector and don't forget to send your attendance to tbaykas@ieee.org.