**IEEE P802.19**

**Wireless Coexistence**

|  |  |
| --- | --- |
| Project | IEEE P802.19 Wireless Coexistence WG |
| Title | **May 2016 TG1a Minutes** |
| Date Submitted | May 20, 2016 |
| Source | Hyunduk Kang (ETRI) | E-mail: henry@etri.re.kr |
| Re: | [] |
| Abstract | [May 2016 TG1a Minutes] |
| Purpose | [] |
| 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 IEEE P802.19. |

**Tuesday May 17, 2016 AM1**

Chair (Naotaka Sato) called the meeting to order at 8:10 AM

Chair called for secretary: Hyunduk Kang (vice chair) took over as acting secretary.

Reviewed the agenda (document 802.19-16/0078r1). The agenda was approved by anonymous consensus.

Chair reviewed the IPR policy, and no one came forward with a potentially essential patent claim.

Chair asked the approval of March meeting minute (document 19-16/0064r1) and teleconference call minute on Apr. 27, 2016 (document 19-16/0075r0).

Motion to approve the minutes from the March 2016 TG1a meeting, document 19-16/0064r1, teleconference call minutes on Apr. 27, 2016, document 19-16/0075r0

Motion passed by anonymous consensus

Chair presented May 2016 TG1a Opening Report (document 802.19-16/0081r0).

Technical editor (Chen Sun) reviewed the latest draft, IEEE P802.19.1a-D0.2.

Chair asked the approval of IEEE P802.19.1a-D0.2.

Motion to approve IEEE P802.19.1a-D0.2 as the candidate draft

Motion passed by anonymous consensus

Chen Sun presented editorial proposal (document 19-16/0095r0)

Chen Sun presented text proposal on treatment of WSO definition (document 19-16/0096r1). Based on discussion the revised document will be uploaded on the mentor.

Chen Sun presented coexistence management considering spectrum release (document 19-16/0069r1), and presented text proposal on the coexistence management over a region by controlling the number of co-channel GCOs (document 19-16/0084r0). He said that the related data type, messages, and primitives will be presented other contributions.

Chen Sun revisited coexistence management over a region by controlling the number of co-channel GCOs (document 19-16/0070r1), and presented Text proposal on the coexistence management over a region by controlling the number of co-channel GCOs (document 19-16/0084r0). Based on discussion the revised document will be uploaded on the mentor.

Chen Sun presented coexistence management with spectrum request modification (document 19-16/0085r0), and Text proposal on the coexistence management with spectrum request modification (document 19-16/0086r0). Based on discussion the revised document will be uploaded on the mentor.

The meeting was recessed at 09:57.

**Tuesday May 17, 2016 PM1**

Chair called the meeting to order at 13:34 AM

He reviewed the agenda (document 802.19-16/00878r2). The agenda was approved by anonymous consensus.

Chen Sun presented document 802.19-16/0087r0 on “Low Complexity Resource Reassignment for Coexistence Management” regarding spectrum transition scheme for IEEE P802.19.1a. He presented Text proposal on the low latency resource reassignment for coexistence management (document 802.19-16/0088r0)

Sho Furuichi presented the following text proposals related to editorial issues;

* Text proposal on section 5 (document 19-16/0089r0)
* Text proposal on section 7 (document 19-16/0091r0)

Sho Furuichi presented the following text proposals to support all coexistence decision algorithms proposed by Sony up to date.

* Text proposal on section 6 (document 19-16/0090r0), for entity operation
* Text proposal on Annex A (document 19-16/0092r0), for data types
* Text proposal on Annex B (document 19-16/0093r0), for primitives
* Text proposal on Annex C (document 19-16/0094r0), for messages

Chair revisited editorial proposal (document 19-16/0095r0), and asked for revision to correct errors. The revised document will be uploaded on the mentor.

Chair presented plan of TG review (document 19-16/0097r0).

The meeting was recessed at 15:28.

**Wednesday May 18, 2016 AM1**

Chair called the meeting to order at 08:15 AM

He reviewed the agenda (document 802.19-15/0087r3). The agenda was approved by anonymous consensus.

Hyunduk Kang presented a coexistence discovery mechanism (document 19-16/0098r0). He mentioned that this contribution is related to the previous contribution consideration on neighbor discovery (document 19-15/0098r0). Chen Sun asked that what if the STA located in the overlapped area is associated different APs. Hyunduk Kang said that even though the STA located in the overlapped area can associate any APs around the STA, the hidden neighbor AP discovery is achievable. This is because at least one AP can sense the existence of hidden neighbor AP and spread that information to the neighbor through the associated STA located in the overlapped area. Group discussed issues related to inaccurate geo-location information for indoor case, and how to adopt this mechanism to 802.19.1a system. Chair asked text proposal based on the contribution. Hyunduk Kang mentioned that he will prepare it.

Chen Sun revisited the text proposals and explained what is revised;

* Text proposal on treatment of WSO definition (document 19-16/0096r2)
* Text proposal on the coexistence management considering spectrum release (document 19-16/0083r1)
* Text proposal on the coexistence management over a region by controlling the number of co-channel GCOs (document 19-16/0084r1)
* Text proposal on the coexistence management with spectrum request modification (document 19-16/0086r1)
* Text proposal on the low latency resource reassignment for coexistence management (document 19-16/0088r1)

Sho Furuichi revisited the text proposals and explained what is revised;

* Text proposal on section 6 (document 19-16/0090r1)
* Text proposal on Annex A (document 19-16/0092r1)
* Text proposal on Annex B (document 19-16/0093r1)
* Text proposal on Annex C (document 19-16/0094r0)
* Text proposal on section 5 (document 19-16/0089r0)
* Text proposal on section 7 (document 19-16/0091r0)

Chair revisited editorial proposal (document 19-16/0095r1) regarding changing ToC of Annex of 802.19.1a

Chair revisited Plan of TG review (document 1916/0097r0). Group will be completed TG review and comments resolution by the end of November F2F meeting. 30 days WG ballot will be performed during December.

The meeting was recessed at 09:38.

**Wednesday May 18, 2016 PM1**

Chair called the meeting to order at 13:30 PM

He reviewed the agenda (document 802.19-15/0078r4). The agenda was approved by anonymous consensus.

Sho Furuichi revisited text proposal on Annex C (document 19-16/0094r1).

Sho Furuichi presented text proposal on section 5.2 (document 19-16/0101r0).

Chair revisited timeline document (document 19-15/0096r0).

Chair revisited plan of TG review (document 19-16/0097r0).

Motion to Approve to change the table of contents in the IEEE P802.19.1a candidate draft D0.3 as shown in slide 5 of 19-16/0095r1

Move: Chen SUn

Second: Sho Furuichi

Motion passed by anonymous consensus

Motion to approve text proposals in doc. 19-16/0083r1, doc. 19-16/0084r2, doc. 19-16/0086r1, doc. 19-16/0088r1, doc. 19-16/0089r1, doc. 19-16/0090r1, 19-16/0091r1, 19-16/0092r1, 19-16/0093r1, 19-16/0094r1, doc. 19-16/0096r2 and 19-16/0101r0, instruct the TG editor to implement approved text proposals and update the IEEE P802.19.1a candidate draft D0.3 by June 16, 2016.

Move: Sho Furuichi

Second: Hyunduk Kang

Motion passed by anonymous consensus

Motion to approve to run a task group review for comments collection from June 17, 2016 to July 15, 2016 using the IEEE P802.19.1a candidate draft D0.3

Move: Hyunduk Kang

Second: Sho Furuichi

Motion passed by anonymous consensus

The group reviewed objectives for next F2F meeting in San Diego, CA as followings;

* Resolve comments from TG review as much as possible

The group decided teleconference call schedule as followings;

* Wednesday, July 20, 2016: 2am EDT (8am CEST, 2pm CST, 3pm JST/KST), 1 hour duration

The TG1a adjourned at 14:01 PM

**Attendance**

|  |  |
| --- | --- |
| **Name** | **Affiliation** |
| Hyunduk Kang | ETRI |
| Sho Furuichi | Sony |
| Naotaka Sato | Sony |
| Chen Sun | Sony |
| Steve Shellhammer | Qualcomm |
| Igal Kotzer | GM |
| Steve Pope | Self |
| Fulei Liu | ZTE |