IEEE P802.19
Wireless Coexistence Working Group

Project	IEEE 802.19 Wireless Coexistence Working Group (WG)
Title	**Architecture ad hoc group teleconference minutes 11/03/2010**
Date Submitted	[Mar 2010]
Source	[Tuncer Baykas] Voice: [ ] [NICT] Fax: [ ] [Yokosuka,Japan] E-mail: tuncerbaykas@nict.go.jp
Re:	
Abstract	Minutes of architecture ad hoc group teleconference
Purpose	Minutes of architecture ad hoc group teleconference
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Minutes of Architecture Ad Hoc group Tele-Conference Call, March 11, 2010

Attendees:
Steve Shellhammer (Qualcomm), Ivan Reede (AmeriSys Inc), Alex Reznik , Joe Kwak (InterDigital), Päivi Ruuska (Nokia), Tuncer Baykas, Chen Sun, Mohamed Azizur Rahman, Ha Nguyen Tran, Stanislav Filin (NICT), Hyunduk Kang (ETRI)

Discussed Documents:
19-10-0048-00-0001- P802.19. Updated P802.19.1 System Architecture (Mohamed Azizur Rahman)

Action Items:
1. Group will continue its discussion in Orlando. 19-10-0048-00-0001 will be used to start the discussion.

What discussed:
1   Opening by Tuncer Baykas
    1.1   Reminded everyone IEEE patent policy
    1.2   Minutes of the last teleconference is approved.
2   19-10-0048-00-0001- P802.19. Updated P802.19.1 System Architecture (Mohamed Azizur Rahman)

    2.1   Hyunduk Kang: What are the pros and cons of CM manager inside or outside the tvbd devices?

       2.1.1 Azizur Rahman : This is an implementation issue and we want to support all types scenerios.

    2.2   Hyunduk Kang: Centralized, autuonomous cases are shown. Why didn't you show decentralized case?

       2.2.1 Azizur Rahman : Our architectures supports decentralized scenario as well.

    2.3   Steve Shellhammer : Should all devices have Coexistence Manager (CM)?

       2.3.1 Paivi Ruuska: Architecture does limit where CM's are also coexistence enabler does not need to exist in each client.

2.4 Joe Kwak: We are converging to an architecture but we have to many entities. Database is a storage device and without a sever it may not work. I may have a problem with the name database. We can change the name to suite its functions.

   2.4.1 Paivi Ruuska: We can change the name, they are not final yet

   2.4.2 Aziz: Do you agree with the functions of the database?

   2.4.3 Joe Kwak: I think the functions are acceptable.

   2.4.4 Steve: I agree with Joe Kwak, FCC calls it database and it has more functions.

2.5 Joe Kwak: Why don't we combine a CM and CE together which has some optional functions.

   2.5.1 Paivi Ruuska: CM is the one who makes the decisions. Enabler is the one who makes connections with device. Entities have different functions.

   2.5.2 Joe Kwak: Combining entities under a different name and having optional functions, may simplify the architecture.

2.6 Hyunduk Kang: Position of the entites change the types of the interfaces.we may not be able to use RF channel. Interfaces can be on the internet of inside the device.

   2.6.1 Chen Sun: 802.19.1 media independent information exchange, we only care about logical interface.

2.7 Joe Kwak: In slide 20, there should be a manager in AP of 802.11. An AP does not need a new entity to make decisions, decision making algorithm are part of its design. Therefore 802.19 does not need to provide a decision making entity to APs.

   2.7.1 Paivi Ruuska: It is correct that AP's should make the decisions such as primary user avoidance. But we can provide new management functions.

2.7.2 Joe Kwak: What happens if there is a conflict between two managing enetities?

2.7.3 Paivi Ruuska: These are additional decisions to enable coexistence with heterogeneous systems.

2.7.4 Aziz Rahman: Role of CM is to assist with heterogeneous networks. Therefore there is a clear distinction.

2.7.5 Joe Kwak: I don't see clear need for new decision making functions to AP's.We can only provide extra information to the AP's but we cannot tell them how to make their decisions.

2.7.6 Paivi Ruuska: Do we need tailor our system to each system?

2.7.7 Joe Kwak: I misunderstood the perspective. CE could be tailored with each system but CM is not.

2.8 Tuncer Baykas: Time is running low. Can we use this document to start our discussion during face to face meeting?

2.8.1 No Objections.