
IEEE P802.19
Wireless Coexistence Working Group

Project	IEEE 802.19 Wireless Coexistence Working Group (WG)		
Title	Architecture ad hoc group teleconference minutes 04032010		
Date Submitted	[Mar 2010]		
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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 04, 2010

Attendees:

Steve Shellhammer (Qualcomm), Ivan Reede (AmeriSys Inc), Alex Reznik , Joe Kwak (InterDigital), Päivi Ruuska (Nokia), Tuncer Baykas, Chen Sun, Yohannes Alemseged, Ha Nguyen Tran, Stanislav Filin, Junyi Wang (NICT), Hyunduk Kang (ETRI)

Discussed Documents:

19-10-0041-00-0001- P802.19.1 High level system architecture proposal (Päivi Ruuska)

Action Items:

1. Group will have another teleconference on March 11.

What discussed:

- 1 Opening by Tuncer Baykas
 - 1.1 Reminded everyone IEEE patent policy
 - 1.2 Group approved minutes of the
- 2 Päivi Ruuska presented document 19-10-0043-00-00001- High level system architecture proposal
 - 2.1 Steve Shellhammer: Is database a separate entity?
 - 2.1.1 Päivi Ruuska: Database is an external entity.
 - 2.2 Steve Shellhammer: Can be the coexistence manager anywhere?
 - 2.2.1 Päivi Ruuska: Depends on the scenario, it can be with the device or outside the device.
 - 2.3 Steve Shellhammer: What would be in the database?
 - 2.3.1 Päivi Ruuska: Discovery information, for example location. Also spectrum usage information could be a part of it as well depending on the scenario.
 - 2.4 Ivan Reede: There is interface B3 between coexistence managers. Could you explain it more? Clarify different types of CMs?
 - 2.4.1 Päivi Ruuska: There are no different CMS in the system. This system doesn't show the deployment, it only shows logical entities and necessary entities.
 - 2.5 Ivan Reede: Database is dataware where CM's can store and look for data.
 - 2.5.1 Päivi Ruuska: Yes.

- 2.6 Joe Kwak: Why coexistence database is a separate entity?
 - 2.6.1 Päivi Ruuska: For discovery functions, how different coexistence manager can detect each other, we need a separate entity.
- 2.7 Joe Kwak: There is one global database of FCC. Is your idea for one global database?
 - 2.7.1 Päivi Ruuska: There could be local databases as well.
- 2.8 Tuncer Baykas: Currently we have 2 contributions, one is joint contribution and the second one is a contribution from Joe Kwak. I would like to ask Joe Kwak, if he can accept this document as baseline.
 - 2.8.1 Joe Kwak: No, if coexistence database and its interfaces were an optional entity, it would be a very good representation of a core system architecture.
 - 2.8.2 Päivi Ruuska: Part of the system have optional element but discovery cannot be optional and for discovery we need a database.
 - 2.8.3 Joe Kwak: I believe databases can be distributed and be included inside the databases. It could be the work of TVBD devices.
 - 2.8.4 Päivi Ruuska: Part of the system have optional element but discovery cannot be optional and for discovery we need a database.
- 2.9 Ivan Reede: I understand Joe's point. There is another point in this architecture. The devices may not have no public IP address. Therefore coexistence database is necessary to connect those devices. It can be used to tunnel information.
 - 2.9.1 Päivi Ruuska: This is logical architecture. Database supposed to facilitate connections.
 - 2.9.2 Ivan Reede: We need external facilitators for connections.
 - 2.9.3 Joe Kwak: It can be done throughout CMs. I believe it can be database can be eliminated from core architecture and kept as an optional element. This will simplify the architecture. Spectrum Manager in my previous presentation should be added as an optional element as well.
 - 2.9.4 Ivan Reede: I disagree with Joe Kwak at this moment. We need more time to discuss in Face to face meeting.
- 2.10 Tuncer Baykas: I would like to ask Steve Shellhammer to change last teleconference to Architecture ad hoc meeting.
 - 2.10.1 Steve Shellhammer: It would be fine.
- 2.11 Hyunduk Kang: I am confused with the names of entities.

- 2.11.1 Tuncer Baykas: Every contributor can select its terminology.
We will make it clear during facetoface meeting.
- 2.12 Steve Shellhammer: Do you want to discuss agenda in the next conference call.
- 2.12.1 Tuncer Baykas: We can do it in Orlando.