IEEE P802.11  
Wireless LANs

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| PAR Minutes – November 2016 Session | | | | |
| Date: 2016-11-10 | | | | |
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Abstract

This document contains the minutes of the PAR Standing Committee session that was held during the November 2016 IEEE 802.11 Plenary meeting.

# Monday November 7, 16:00-18:00

### Jon Rosdahl, Qualcomm – Chair

**Michael Montemurro, BlackBerry – Vice-Chair**

Attendance: 8

1. Meeting called to order at 16:04
2. Agenda Review – approved as document 11-16/1326r0
3. Minutes Approval from March – document 11/16/986r0

MOTION: Move to accept 11-16/0986r0 as the minutes for the July 2016 PAR SC session.

Mover: Michael Montemurro

Second: Stuart Kerry

Result: 4 – Yes; 0 – No; 1 – Abstain. Motion Passes.

1. PAR Comments are captured in 11-16/1326r1
2. 802c – Amendment: Local Medium Address Control (MAC Address Usage)

* PAR:
  + No comments.
* No CSD:

1. 802.1AR-Rev – Security Device Identity

* PAR:
  + No comments.
* CSD:
  + There is already a draft 1.1 of P802.1AE-ce
  + No comments.

1. 802.1CS – Link-local registration protocol.

* PAR:
  + Change ‘MRP “802.1Q Multiple Registration Protocol”’ to ‘”802.1Q Multiple Registration Protoccol” MRP’.
  + 5.4 - Quantify smaller versus bigger database definitions.
  + 5.2 - Are there metrics for measurement of “rapidly, accurately, and efficiently”.
* CSD:
  + Define “MRP” in the CSD.
  + In section 1.2.1, change “New applications like Industrial Automation” to “New applications in Industrial Automation“
  + In section 1.2.3, give an example of a use case of “some use cases”. “Industrial Automation” is called out as a market in section 1.2.1
  + In section 1.2.3, expand LRP and LLDP.
  + In section 1.2.4, expand “IS-IS”

1. 802.3cg – 10 Mb/s Operation over Single Balanced Twisted-pair Cabling and Associated Power Delivery

* PAR:
  + Replace 5.2.b. Scope of the project: with

“Specify additions to and appropriate modifications of IEEE Std 802.3 to add 10 Mb/s Physical Layer (PHY) specifications and management parameters for operation and associated optional provision of power on single balanced twisted-pair copper cabling.”

* + 5.5 – change “IEEE 802.3” to “IEEE Std 802.3”
  + 5.6 suggestion is to delete “factory, process” as they are redundant
* CSD:
  + No comments.

1. P802.19.2 – Coexistence of Unlicensed Wireless Systems in an Automotive Environment

* PAR:
  + Change scope 5.2 to “This recommended practice recommends dynamic parameter values for IEEE 802 and Bluetooth devices operating in the 2.4 GHz band to enhance their performance in the automotive environment.”
  + 5.4 change

“The typical scenarios the recommended practice will include:

Interference among IEEE 802.11 devices in the 2.4 GHz band.

Interference between IEEE 802.11 devices and non IEEE 802.11 devices in the 2.4 GHz band.

Non-IEEE 802.11 devices in the 2.4 GHz band include but are not limited to Bluetooth devices.”

To

“The recommended practice addresses interference scenarios among and between 2.4 GHz IEEE 802 and non-IEEE 802 devices (e.g. Bluetooth).”

* + 5.5 – Delete the first sentence.
  + 5.5 replace the Need for Project with “The automotive environment is one of the 2.4 GHz wireless environments with rapidly increasing deployment. This environment differs from the enterprise or residential environments. Automotive environments are characterized by high density of access points and stations (e.g. in traffic jams) with inter-AP distance of 2m-3m and dynamically changing interference conditions. There is extensive use of non IEEE 802 technologies in the 2.4 GHz band, which require consideration of coexistence issues. This recommended practice aims to improve coexistence and performance in 2.4 GHz.”
* CSD:
  + Remove “Ad Hoc Draft Edit Copy” from title page

1. Document will be posted 11-16/1326r1 as a summary of today’s rsponses.
2. Recess at 17:59 until Tuesday AM1

# Tuesday November 8, 10:30-12:30

### Jon Rosdahl, Qualcomm – Chair

**Michael Montemurro, BlackBerry – Vice-Chair**

Attendance: 4

1. Meeting called to order at 10;35
2. Agenda Review – approved as document 11-16/1326r1
3. P802.19.2 – Coexistence of Unlicensed Wireless Systems in an Automotive Environment

* CSD
  + No comments.

1. P802.11ba – Low-power wake-up radio operation

* PAR
  + The project will be named P802.11ba
  + 2.1 – Quantify low-power (as stated as less than 1 mW in the scope) in the title of the project.
  + 5.2.b Scope of the Project:

This amendment defines physical (PHY) layer and medium access control (MAC) layer specifications that enables operation of a wake-up radio (WUR). The WUR defines an active receiver with expected power consumption of less than one milliwatt.CSD

* + 5.5 change suggestions:
    - Change “Devices based on the power save modes of the IEEE 802.11 standard periodically wake up from a sleep… “

To “Devices based on the IEEE 802.11 power save modes periodically wake up from a sleep…”

* + - Change “Therefore, for the 802.11 standard to be competitive, the IEEE 802.11 WG needs to develop power efficient mechanisms “

To

“Power efficient mechanisms need …”

* + - Delete “This project addresses this need. This project is also expected to benefit traditional devices with WLAN interfaces such as smartphones.”
  + 8.1 – Delete all of the text.
* CSD
  + No comments
* PAR and CSD comments will be posted as document 11-16/1326r1
* Recess until Thursday AM2.

# Thursday November 10, 10:30-12:30

### Jon Rosdahl, CSR-Qualcomm – Chair

**Michael Montemurro, BlackBerry – Vice-Chair**

Attendance: 6

1. Meeting called to order at 10:34
2. Agenda Review – approved as document 11-16/1326r1
3. Summary of responses received and are summarized in 11-16/1326r2
4. P802.19.2 – Coexistence of Unlicensed Wireless Systems in an Automotive Environment
   * Accepted all comments except for request to add quantify improvments, since the project delivers a recommended practice.
5. P802.11ba – Low-power wake-up radio operation
   * Discussion on improving the flow of sentences in the PAR scope statement.
     + The comment could come from NESCOM
     + No changes made
   * There were complaints about the PAR SC commenting on an IEEE 802.11 PAR.
6. 802.3cg – 10 Mb/s Operation over Single Balanced Twisted-pair Cabling and Associated Power Delivery
   * Reviewed responses.
7. 802.1CS – Link-local registration protocol.
   * Reviewed responses.
8. Approval of PAR Review SC report

MOTION: Move to accept 11-16/1326r2 as the report from PAR Review SC for the November 2016 802 Plenary.

Mover: Adrian Stephens

Second: Michael Montemurro

Discussion: None

Result: 5 – Yes; 0 – No; 0 – Abstain. Motion Passes.

1. Adjourn at 11:17.