IEEE P802.11 Wireless LANs

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| PAR Minutes – November 2022 |
| Date: 2021-11-17 |
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Abstract

This document contains the minutes of the PAR Standing Committee for the November 2022 session.

# Monday November 14, 13:30-15:30

### Jon Rosdahl, Qualcomm – Chair

### Michael Montemurro, Huawei Technologies Co., Ltd – Vice-Chair

Attendance: 13

1. Meeting called to order at 13:33
2. Review of IEEE-SA participation guidelines and policies and procedures.
3. We will provide comments on the PARs submitted for the July 2022 plenary.
	* Agenda Review – approved as document 11-22/1711r0 - <https://mentor.ieee.org/802.11/dcn/21/11-22-1711-00-0PAR-par-review-sc-meeting-agenda-and-comment-slides-November-22-mixed-mode-plenary.pptx>

Result: **Approved. Unanimous.**

1. Motion to approve minutes from March PAR SC meetings:

MOTION: **Move to approve the minutes from July in document 11-22/0948r0:** https://mentor.ieee.org/802.11/dcn/22/11-22-0948-00-0PAR-par-minutes-july-2022-session.docx.

Mover: Michael Montemurro

Second: Joseph Levy

Result: **Approved. Unanimous.**

1. PAR and CSD comments are captured in 11-21/1711r1
	* **802.3df - Amendment: Media Access Control Parameters for 800 Gb/s and Physical Layers and Management Parameters for 400 Gb/s and 800 Gb/s Operation,**[**PAR Modification**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0196-01-00EC-draft-ieee-p802-3df-par-modification.pdf)**and**[**CSD**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0197-01-00EC-draft-ieee-p802-3df-csd-modification.pdf)
	* PAR Modification
	* 4.2: Need to add a date for 4.2. The previous date has been removed but not replaced.
	* 5.2: The changes to the PAR scope do not seem consistent with the title of the project.
	* This amendment is now only covering 400 and 800, but not for 200 and 1600 Gb/s.
	* The statement in the scope is clear. The 100 Gb/s signaling technology is used to specify physical layers for data communication at 400 and 800 Gb/s.
	* The title does not mention the 100 Gb/s signaling technology
	* 5.2: The scope is not written in full sentences, but rather in phrase after prhase. Consider rewriting the scope using complete sentences and remember that the title may be used as a guide for the order of description in the scope with complete sentences.
	* How this group interprets the text: “This amendment defines Ethernet MAC parameters for 800 Gb/s and PHY layers and Management for 400 Gb/s and 800 Gb/s operation over copper, multimode fiber, and single mode fiber based on 100 Gb/s signaling technology. This amendment will also define PHY specification and management parameters for the tranfer of Ethernet formapt frames at 400 Gb/s
	* It seems that the project is defining 100 Gb/s per lane technology that can be used for 800 Gb/s and 400 Gb/s.
	* Break the PAR into two sentences at “signaling technology”. Replace “, and” with “.
	* CSD**:**
	* Distinct Identity. The 200 Gb/s was left in the first bullet.
	* Need to describe the technology as “100 Gb/s per lane signaling technology”
	* Since the amendment is defining 400 Gb/s operation, should it be deleted from the first bullet.
	* The description looks fine assuming there is a 400 Gb/s operating mode currently defined.
	* No need to comment
	* Concluded that there are no comments on the CSD.
	* Technical Feasibility: in the 4th bullet 1st sub-bullet, make the “lane” definitaion
* 802.3dj - Amendment: Media Access Control Parameters for 1.6 Tb/s and Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation, [PAR](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0198-01-00EC-draft-ieee-p802-3dj-par.pdf) and [CSD](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0199-01-00EC-draft-ieee-p802-3dj-csd.pdf)
* PAR:
	+ The project title and scope do not really align.
	+ The new signaling technology is defined for 1.6 Tb/s but can support lower operating modes of 200 Gb/s and 400 Gb/s
	+ 2.1 and 5.2 – The title and the scope do not seem to align. The title has MAC parameters for 1.6 Tb/s and PHY and Management parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s operation. The scope seems to say that something different. The phrase “Use of this work” should be reworded to avoid the ambiguity of what “this work” is. Maybe a table to help understand what the scope is trying to indicate.
	+ The Signaling technologies that are to be used seems ambiguous in that there are many frequencies over 100 Gb/s.
	+ Is there a single technology being developed for “greater than 100” then define a name that is something without “greater” in the nam**e?**
* CSD:
	+ Maybe a table to helo understand what the scope of 802.3dj CSD: Maybe a table to help understand what the scope of 802.3dj and 802.3df are trying to indicate. Put in Distinct identity to help those not in 802.3 understand what seems to be ambiguous.
	+ This is a new CSD so there should not be any change bars.
	+ The distinct identity does not make sense.
	+ There seems to be a constant ambiguity on what the MAC speed vs PHY speed being used are and the interaction at which layer is being indicated. Also “lane” is introduced for te first time in the introduction and that seems different from what is in the PAR
* 802.3dk - Amendment: Greater than 50 Gb/s Bidirectional Optical Access PHYs, [PAR](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0200-00-00EC-draft-ieee-p802-3dk-par.pdf) and [CSD](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0201-00-00EC-draft-ieee-p802-3dk-csd.pdf)
* PAR:
	+ No comments
* CSD:
* No comments
* Chair will post the PAR/SC output to the 802 WG reflector and submit the result to the EC.
1. The next teleconference is scheduled for Thursday July 14 – 13:30 ET.
2. Recess until Thursday July 14 at 13:30 at 15:03.

# Thursday November 17, 10:30-12:30

### Jon Rosdahl, Qualcomm – Chair

### Michael Montemurro, Huawei Technologies Co., Ltd – Vice-Chair

Attendance: 8

1. Meeting called to order at 10:40
2. Agenda Review – approved as document 11-22/1711r2 - <https://mentor.ieee.org/802.11/dcn/21/11-22-1711-02-0PAR-par-review-sc-meeting-agenda-and-comment-slides-November-22-mixed-mode-plenary.pptx>
	* Agenda is approved unanimously.
3. PAR and CSD comments are captured in 11-21/1711r2
	* **802.3df - Amendment: Media Access Control Parameters for 800 Gb/s and Physical Layers and Management Parameters for 400 Gb/s and 800 Gb/s Operation,**[**PAR Modification**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0196-01-00EC-draft-ieee-p802-3df-par-modification.pdf)**and**[**CSD**](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0197-01-00EC-draft-ieee-p802-3df-csd-modification.pdf)
	* PAR**:**
	* No comments
	* CSD**:**
	* No comments.
* 802.3dj - Amendment: Media Access Control Parameters for 1.6 Tb/s and Physical Layers and Management Parameters for 200 Gb/s, 400 Gb/s, 800 Gb/s, and 1.6 Tb/s Operation, [PAR](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0198-01-00EC-draft-ieee-p802-3dj-par.pdf) and [CSD](https://mentor.ieee.org/802-ec/dcn/22/ec-22-0199-01-00EC-draft-ieee-p802-3dj-csd.pdf)
* PAR:
	+ In 5.3, the full name of the standard needs to be expanded. Dorothy Stanley will provide a NESCOM comment on the PAR. No need to comment from this SC.
* CSD:
	+ No comments
* A summary for the 802.11 PAR review report is captured on slide xxf document 11-22/1711r2
* ACTION: Chair to clean-up the report to be more presentable.
	+ The review comments are captured in document 11-22/1711r2 (https://mentor.ieee.org/802.11/dcn/22/11-22-1711-03-0PAR-par-review-sc-meeting-agenda-and-comment-slides-july-2022-mixed-mode-plenary.pptx).
	+ Review summary in Final Report to 802.11
1. Approval of PAR Review SC report

**MOTION:**

**Move to accept the report contained in** [**https://mentor.ieee.org/802.11/dcn/21/11-22-1711-02-0PAR-par-review-sc-meeting-agenda-and-comment-slides-july-2022-electronic-plenary.pptx**](https://mentor.ieee.org/802.11/dcn/21/11-22-1711-02-0PAR-par-review-sc-meeting-agenda-and-comment-slides-july-2022-electronic-plenary.pptx) **as the report from PAR Review SC for the November 2022 Mixed-Mode 802 Plenary.**

**Moved: Andrew Myles**

**2nd: Stephen Palm**

**Results: 7 – Yes; 0 – No; 0 – Abstain. Motion Passes. ( 8 voters on the call)**

1. Adjourn at 11:27