IEEE P802.11 Wireless LANs

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| PAR Minutes – November 2023 |
| Date: 2023-11-16 |
| Author(s): |
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Abstract

This document contains the minutes of the PAR Standing Committee for the November 2023 session.

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

### Jon Rosdahl, Qualcomm – Chair

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

Attendance: 5

1. Meeting called to order at 13:38
2. Review of IEEE-SA participation guidelines and policies and procedures.
3. We will provide comments on the PARs submitted for the July 2023 plenary.
	* Agenda Review – approved as document 11-23/1690r0 - <https://mentor.ieee.org/802.11/dcn/23/11-23-1690-00-0PAR-par-review-sc-meeting-agenda-and-comment-slides-november-2023-plenary-honolulu.pptx>

Result: **Unanimous. Approved.**

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

MOTION: **Move to approve the minutes from July in document 11-23/1213r1:** <https://mentor.ieee.org/802.11/dcn/23/11-23-1213-01-0PAR-minutes-july-2023-session.docx>

Mover: Michael Montemurro

Second: Dorothy Stanley

Result: **Unanimous.** **Approved.**

1. PAR and CSD comments are captured in 11-23/1690r1
	* **802.1CB-2017/Cor1 - FRER Corrigendum 1,**[**PAR**](https://www.ieee802.org/1/files/public/docs2023/cb-cor1-mansfield-draft-PAR-1023-v02.pdf)
	* PAR:

7.1 – Change “will work on” to “is applicable to”.

* 802.1ACea - Amendment - Support for IEEE Std 802.15.6 , [PAR](https://www.ieee802.org/1/files/public/docs2023/ea-PAR-0923-v02.pdf) and [CSD](https://www.ieee802.org/1/files/public/docs2023/ea-CSD-0923-v01.pdf)
	+ PAR:

802.15.6 added support for 48 bit MAC addressing – allowing support for ISS

There is a disconnect between the scope and the need for the project.

5.2b – Change “:support of” to “:support to”

5.5 – Suggest adding “To enable support of” at the beginning of the sentence. Change “allows” to “to allow”.

5.5 – Suggest “To enable the use of MAV bridging in IEEE 802.15.6 networks which now support support 48-bit MAC addressing.”

* + CSD:

1.2.4a – “Change “IEEE 802.11 Std and 802.15.3 Std” to “IEEE Std 802.11 and IEEE Std 802.15.3”

* 802.1AXdz - Amendment - YANG for Link Aggregation , [PAR](https://www.ieee802.org/1/files/public/docs2023/dz-draft-PAR-0923-v01.pdf) and [CSD](https://www.ieee802.org/1/files/public/docs2023/dz-draft-CSD-0923-v01.pdf)
	+ PAR:

The “pair of cooperating Systems” is unclear. Thisi is the scope of the base standard and has not changed.

8.1 – Please verifty that the link to the URN tutorial. The permanent address should be <https://standards.ieee.org/wp-content/uploads/import/documents/tutorials/ieeeurn.pdf>

* + CSD:

1.1.2 – The lettered list is continuous throughout the document. The ordered list should start at “a)” each section.

* 802.15.4ad - Amendment - Data rate and range extensions to IEEE 802.15.4 Smart Utility Network (SUN) Physical layer (PHY), [PAR](https://mentor.ieee.org/802.15/dcn/23/15-23-0436-06-04ad-p802-15-4ad-draft-par-on-sun-phys.pdf) and [CSD](https://mentor.ieee.org/802.15/dcn/23/15-23-0494-02-04ad-next-gen-sun-phys-draft-csd.docx)
	+ PAR:

2.1 – do not need “IEEE 802.15.4” in the project title. Change “ to IEEE 802.15.4:” to “for the”

5.2a – Change the scope to read “defines the SUN PHY and the MAC sublayer modifications. Change “PHYs” to “PHY operation is defined.”

The SUN PHY is only a single PHY.

5.2b – The amendment scope description is poorly worded. Suggest a re-written amendment scope.

Discussion on whether there is a single PHY or multiple PHYs. Concluded that the amendment is defining a single PHY.

5.4 – Only the last sentence of the need is required. The need describes the need for the amendment not the base standard. Delete “and a wider set of applications. SUN PHYs should be SUN PHY.

* + CSD:

No comments.

* 802.19.3a - Recommended Practice Amendment: Enhanced sub-1GHz Coexistence, [PAR](https://mentor.ieee.org/802.19/dcn/23/19-23-0017-02-0000-19-3a-par-draft.pdf) and [CSD](https://mentor.ieee.org/802.19/dcn/23/19-23-0018-02-0000-802-19-3a-csd-draft.doc)
	+ PAR:

2.1 – Change “improved” to “improving”.

4.3 – Add missing date.

5.2a – Change “and SUN” to “and the SUN”. Add the acronym “(OFDM)”. Change “IEEE 802.11-2020” to “IEEE 802.11-2020 Sub 1 GHz (S1G) physical layer (PHY). Change the last sentence to “operating in frequencies below 1 GHz”

5.2b – replace “will include” with “includes”

IEEE Std 802.15.4 should indicate a publication year as well.

5.2b – change the “initial revision” to “initial publication

* + CSD:

<>.

1. Recess at 15:31 until Tuesday November 14 at 09:00.

# Tuesday November 14, 9:00-10:00

### Jon Rosdahl, Qualcomm – Chair

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

Attendance: 4

1. Meeting called to order at 09:10
	* Agenda Review – approved as document 11-23/1690r0- <https://mentor.ieee.org/802.11/dcn/23/11-23-1690-00-0PAR-par-review-sc-meeting-agenda-and-comment-slides-november-2023-plenary-honolulu.pptx>
	* Agenda is approved unanimously.
2. PAR and CSD comments are captured in 11-23/1690r1
	* 802.19.3a - Recommended Practice Amendment: Enhanced sub-1GHz Coexistence, [PAR](https://mentor.ieee.org/802.19/dcn/23/19-23-0017-02-0000-19-3a-par-draft.pdf) and [CSD](https://mentor.ieee.org/802.19/dcn/23/19-23-0018-02-0000-802-19-3a-csd-draft.doc)
		+ PAR:
			- 5.2b continued – remove the second “address” and place the standards called out at the end.
			- The second sentence could be simplified.
			- The last sentence could be deleted.
			- 5.5 – “rules” should be replaced by “spectrum regulations”
			- Change the beginning of the second sentence to “These changes and spectrum regulation:
			- Simplify and remove duplication in the last two sentences.
			- Delete the last 5 sentences of the need.
			- 8.1 – Cite the full refeences to IeEE Std 802.11-2020 and IEEE Std 802.15.4-2020.
		+ CSD:
			- 1.1.1 – Cite the full standards
			- 1.2.1 – change “on uses” to “on use of”
			- Through the draft make the format of “Sub-1 GHz”
	* Chair will post the PAR/SC output to the 802 WG reflector and submit the result to the EC.
3. Recess until Thursday AM2 at 10:30

# Thursday November 16, 10:30-12:30

### Jon Rosdahl, Qualcomm – Chair

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

Attendance: 5

1. Meeting called to order at 10:40
2. Agenda Review – approved as document 11-23/1690r1- <https://mentor.ieee.org/802.11/dcn/23/11-23-1690-01-0PAR-par-review-sc-meeting-agenda-and-comment-slides-november-2023-plenary-honolulu.pptx>
	* Agenda is approved unanimously.
3. PAR and CSD comments are captured in 11-23/1690r2
	* **802.1CB-2017/Cor1 - FRER Corrigendum 1,**[**PAR**](https://www.ieee802.org/1/files/public/docs2023/cb-cor1-mansfield-draft-PAR-1023-v02.pdf)
	* Made changes in response to IEEE 802.11 comments.
* 802.1ACea - Amendment - Support for IEEE Std 802.15.6 , [PAR](https://www.ieee802.org/1/files/public/docs2023/ea-PAR-0923-v02.pdf) and [CSD](https://www.ieee802.org/1/files/public/docs2023/ea-CSD-0923-v01.pdf)
	+ - * + Disagreed with proposed PAR change.
* 802.1AXdz - Amendment - YANG for Link Aggregation , [PAR](https://www.ieee802.org/1/files/public/docs2023/dz-draft-PAR-0923-v01.pdf) and [CSD](https://www.ieee802.org/1/files/public/docs2023/dz-draft-CSD-0923-v01.pdf)
	+ No comments
* 802.15.4ad - Amendment - Data rate and range extensions to IEEE 802.15.4 Smart Utility Network (SUN) Physical layer (PHY), [PAR](https://mentor.ieee.org/802.15/dcn/23/15-23-0436-06-04ad-p802-15-4ad-draft-par-on-sun-phys.pdf) and [CSD](https://mentor.ieee.org/802.15/dcn/23/15-23-0494-02-04ad-next-gen-sun-phys-draft-csd.docx)
	+ Accepted the comments and updated the PAR and CSD
* 802.19.3a - Recommended Practice Amendment: Enhanced sub-1GHz Coexistence , [PAR](https://mentor.ieee.org/802.19/dcn/23/19-23-0017-02-0000-19-3a-par-draft.pdf) and [CSD](https://mentor.ieee.org/802.19/dcn/23/19-23-0018-02-0000-802-19-3a-csd-draft.doc)
	+ PAR: Accepted the majority of the comments.
* Discussion on editorial updates to summary slide.
* A summary for the 802.11 PAR review report is captured on slide 47 of document 11-23/1690r2
* ACTION: Chair to clean-up the report to be more presentable.
	+ The review comments are captured in document 11-23/1690r2 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1690-02-0PAR-par-review-sc-meeting-agenda-and-comment-slides-november-2023-plenary-honolulu.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/23/11-23-1690-02-0PAR-par-review-sc-meeting-agenda-and-comment-slides-november-2023-plenary-honolulu.pptx> **as the report from PAR Review SC for the November 2023 Mixed-Mode 802 Plenary.**

**Moved: Marc Emmelmann**

**2nd: Markos Heranandez**

**Results: 4 – Yes; 0 – No; 0 – Abstain. Motion Passes.**

1. Adjourn at 11:03