IEEE P802.11
Wireless LANs

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| ARC SC Mixed Mode Minutes September 2023 – Interim |
| Date: 2023-09-14 |
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Abstract

This document contains the minutes of the IEEE 802.11 ARC SC mixed mode meeting held on 12 September 2023 at 10:30-12:30 h EDT and 14 September 2023 at 10:30-12:30 h EDT.

Note: Highlighted text are action items. A- precedes comments from the document’s author, C- precedes comments, R- precedes responses to comments.

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# Tuesday 12 September 2023 at 10:30-12:30 h EDT

## Administration:

**Chair: Mark Hamilton, Ruckus/CommScope**

**Vice Chair: Joseph Levy, InterDigital**

**Secretary: Joseph Levy, InterDigital**

**Meeting called to order by the Chair 8:10:33 EDT**

Agenda slide deck: [11-23/1342r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1342-01-0arc-arc-sc-agenda-sept-2023.pptx)

**Agenda Slides 4-15:**

**Registration Reminder**

**Reminders to Attendees**

**Call for Patents:**

The Chair reviewed the Patent policy and called for potentially essential patents – there was no response to the call.

**IEEE SA Copyright Policy:**

The chair reviewed the Copyright policy.

**Participation:**

The chair reviewed the participation policy.

**Approval of the Agenda (Slides 16)**

* **Two meeting slots this week, Tues 10:30 and Thurs 10:30**
* **Attendance, noises/recording, meeting protocol reminders**
* **Policies, duty to inform, participation rules**
* **Approve meeting minutes (slide 18)**
* **Contribution/discussion topics:**
	+ IEEE Std 802 project, - Tuesday review/comment, Thursday de-brief
	+ Annex G way forward (slide 22) - Thursday
	+ WBA liaison on QoS: [11-23/0838r1](https://mentor.ieee.org/802.11/dcn/23/11-23-0838-01-0000-wba-liaison-re-qos.docx) , [11-23/1206r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1206-00-0000-wba-e2e-qos-qos-over-wi-fi-links.pptx) (Venkatesan)
* **Next steps** (slide 23)

The Chair reviewed the agenda and called for comments and additions.

No discussion. Approved by unanimous consent.

**Approval meeting minutes**

Motion to approve the minutes of:

May interim: [11-23/0651r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0651-00-0arc-arc-sc-mixed-mode-minutes-may-2023-interim.docx)

August 7 and 18 telecons: [11-23/1393r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1393-01-0arc-arc-sc-7-and-28-august-2023-teleconference-minutes.docx)

* Discussion called for comments: there is a minor typo error – the duration of one of the meetings is not correct – will be corrected in r2 – approved with no objection with editorial change – to be provided in r2.
* Result: UC

## IEEE Std 802 project – 802REVc

Update from 802.11 representative (Joseph Levy)

**Background:**

* IEEE Std 802 is undergoing a revision update
* 802.1 is handling the official process, and is holding 802.1 Working Group letter ballots
* WG11 (802.11) held a comment collection on D1.1, ARC reviewed on Aug 28 telecon
* Comments submitted from WG11: [11-23/1433r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1433-01-0000-cc45-p802-revc-d1-1-comments.xlsx)
* Results: [1-23/0021r0](https://mentor.ieee.org/802.1/dcn/23/1-23-0021-00-Mntg-p802-revc-d1-1-wg-ballot-results.ods)
* Overall comments submitted/disposition: [1-23/0022r0](https://mentor.ieee.org/802.1/dcn/23/1-23-0022-00-Mntg-p802-revc-d1-1-comments-pdis.ods)

Comment resolution: 802.1 Maintenance Group will meet Wednesday, AM1.

Joseph Levy provided a verbal status/overview.

Discussion on CID 30 about 64-bit and 48 bit MAC addressed networks:

There is some text on a NIC only having one MAC address.

Discussion on making it clearer that there is a 64-bit network and a 32-bit network which are not the same network. These two networks can be connected by higher layers.

Proposed text – “To avoid this, traffic between a 64-bit MAC addressed network and a 48 bit MAC addressed network needs to be routed at a layer above the DLL.”

Discussed CIDs 10-26 – The 802.1 Maintenance TG will discuss these CIDs, there is no 802.11 position on these comments.

CID 27 Discussion: Annex G should be normative – this is a mess – but it is not an 802.11 mess. The 802REVc Editor may introduce new text to address this comment.

CID 37 Discussion: Replace the rectangular bridge box with a circle and label the circle a bridge and wireless interface. When the bridges in these circular symbols are referenced it should as the bridge contained in the lettered circular symbol. The 802REVc Editor will address this.

See [1-23/022r1](https://mentor.ieee.org/802.1/dcn/23/1-23-0022-01-Mntg-p802-revc-d1-1-comments-pdis.ods) for additional changes..

CID 65 Action Item – provide GLK input to 802REVc: [11-23/1613r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1613-01-0arc-proposed-text-for-addition-of-glk-to-802revc-clause-b-2.docx)

## Recessed 12:29 h EDT.

# Thursday 14 September 2023 at 10:30-12:30 h EDT

## Administration:

**Chair: Mark Hamilton, Ruckus/CommScope**

**Vice Chair: Joseph Levy, InterDigital**

**Secretary: Joseph Levy, InterDigital**

**Meeting called to order by the Chair 10:35 EDT**

Agenda slide deck: [11-23/1342r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1342-02-0arc-arc-sc-agenda-sept-2023.pptx)

**Agenda Slides 4-15:**

**Registration Reminder**

**Reminders to Attendees**

**Call for Patents:**

The Chair reviewed the Patent policy and called for potentially essential patents – there was no response to the call.

**IEEE SA Copyright Policy:**

The chair reviewed the Copyright policy.

**Participation:**

The chair reviewed the participation policy.

**Approval of the Agenda (Slides 16)**

* Two meeting slots this week, Tues 10:30 and Thurs 13:30
* Attendance, noises/recording, meeting protocol reminders
* Policies, duty to inform, participation rules
* Approve meeting minutes (slide 18)
* Contribution/discussion topics:
	+ IEEE Std 802 project (Tuesday)
	+ Annex G way forward (Thursday)
	+ WBA liaison statement on E2E QoS: [11-23/0838r0](https://mentor.ieee.org/802.11/dcn/23/11-23-0838-00-0000-wba-liaison-re-qos.docx)
* Next steps

The Chair reviewed the agenda and called for comments and additions.

Discussion on the order of the agenda items, agreed to maintain the proposed order. No additions were made, approved by unanimous consent.

## 802REVc

A brief review of the status of IEEE 802REVc letter ballot comment resolution was provided. The review summarized the status of IEEE 802REVc and the discussion had on Tuesday during the ARC SC meeting. Also a quick review of the proposed text for clause B.2 was reviewed: [11-23/1613r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1613-01-0arc-proposed-text-for-addition-of-glk-to-802revc-clause-b-2.docx).

There was no additional discussion or comments.

## Annex G way forward

Harry Bims (Bims Laboratories) not presented

Took a quick look at [11-23/1599r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1599-00-0arc-discussion-of-normative-text-understanding-of-frame-exchange-sequences.docx). No significant discussion.

## WBA liaison statement on E2E QoS

Ganesh Venkatesan (Intel Corporation) not presented – topic not discussed.

**Next steps**

Discussed way forward:

For November requesting one ARC meeting slot

Teleconferences – on 10 day notice if necessary or either Harry or Ganesh would like to present.

C – What are the next steps regarding the WBA Liaison Statement?
Chair – The Liaison Statement was reviewed at the July meeting. The agenda called for discussion today, unfortunately the author is not available, the discussion is postponed until the author is available. Will coordinate with the author to find a mutually agreeable time for discussion.

## Adjourned: 10:59 h EDT

Final Agenda: [11-23/1342r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1342-03-0arc-arc-sc-agenda-sept-2023.pptx)

Closing Report: [11-23/1644r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1644-00-0arc-arc-closing-report-september-2023.pptx)