Minutes IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbh Meeting Minutes, April 7, 2022  Randomized and Changing MAC addresses (RCM) | | | | |
| Date: 2022-3-29 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Graham SMITH | SR Technologies | Sunrise, Florida |  | gsmith@srtrl.com |
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Abstract

This document contains the minutes of the IEEE 802.11bh telecom meeting April 7, 2022.

Note: Highlighted text are action items.

Q- proceeds a question asked at the meeting

A- proceeds an answer

C- proceeds a comment

**Meeting April 7, 2022 19.00 to 21.00 ET**

**Chair: Mark Hamilton (Ruckus/CommScope)**

**Vice Chair: Peter Yee (NSA-CSD/AKAYLA)**

**Vice Chair: Stephen Orr (Cisco)**

**Secretary: Graham Smith (SRT Wireless)**

**Editor: Carol Ansley (Cox)**

**The teleconference was called to order by Chair 19.03 hrs. EDT,**

Secretary late in joining so Minutes constructed from notes taken by Stephen Orr for the first 40 minutes.

Agenda slide deck 11-22/0568r1

1. **Policies and procedures were presented by the chair. (Slides 4 to 14)**

There were no Patent declarations.

Copyright policy slides were presented (Slides 10 and 11)

1. **Agenda:**
   * Attendance, noises/recording, meeting protocol reminders
   * Policies, duty to inform, participation rules
   * Organization topics (see Backup slides)
   * Issues Tracking: [11-21/0332r30](https://mentor.ieee.org/802.11/dcn/21/11-21-0332-30-00bh-issues-tracking.docx)
   * Contributions (next slide)
   * Way forward (following slides)
   * Timeline review
   * Issues tracking update proposal: [11-21/0332r34](https://mentor.ieee.org/802.11/dcn/21/11-21-0332-34-00bh-issues-tracking.docx) (Jay Yang)
   * Review of Issues Tracking uncovered items (margin comments, etc.) [11-22/0435r0](https://mentor.ieee.org/802.11/dcn/22/11-22-0435-00-00bh-open-issues-from-issues-tracking.pptx)
   * WBA liaison response
   * Next meetings:
     + April 12, 9:00 ET (MOTIONs), April 22, 19:00 ET

Way forward: Chair started to prepare motions for April 12th meeting.

WBA Liaison: Chair - we will have a response when we solidify direction.

Any comments? None

Any objections to agenda? - None

Agenda accepted.

Chair drew the groups attention to the backup slides, the PAR Scope (slide 19) and timeline (slide 20)

Chair noted that the timeline is off track

Contributions – deferred as submitter not present

1. **Way Forward**

Chair trying to get consensus on proposals and text to go into draft. We can always add more text into draft, just looking for a start to get the draft moving.

C: Connect proposals to the metrics – there was a submission/proposal to change the issues tracking document (addressed in next section)

Further discussion on proposed solutions – facilitate group coming to consensus. Possibly multiple solutions

Focus on a few issues: RSN, post association, Captive Portal – could fragment support

Multiple motions drafted for April 12th

Chair – is this the right way forward and ask for comments?

No comments

Chair – we will run these motions independently to see how things turn out

C: Not all proposals are interoperable or compatible. How do we handle that?

Chair: That would be ongoing work for the group to figure out. There are some examples of how we could glue these together, but again would be follow on work for the groups.

No other comments on motions

1. **Timeline Review**

We are behind, but the timeline was very aggressive. Chair open to any comments to see if we can achieve a draft 1.0 by May meeting

1. **Issues Tracking document**

[11-21/0332r3](https://mentor.ieee.org/802.11/dcn/21/11-21-0332-33-00bh-issues-tracking.docx)4: Issues tracking update proposal (presented by Jay Yang).

Section 4.10 update – no comments

Section 4.26

Chair – use case 4.8 came first. Probes might use a RCM even if in an infrastructure network. Recommendation could be added to standard for to discuss the use of MAC addresses for scanning.

Section 6.2 added proposals

6.10 ok

Chair – we need to have a discussion about a problem the MAAD solution could address in another standard. We could always come back and reconsider.

Q: 4.2 Are we addressing the case were a device changes it MAC address post associations?

Discussion around the term “in-association” – modified to “during association”

C – Table 1 analyzes solutions against Use Cases, so section 5 analyzes the Use Cases. Maybe that helps in identifications? Danger of privacy issues?

C – Timeline discussion and how to make that aggressive, then we have motions coming up. But we are re-opening positions on the scope which will complicate the timeline.

A – Does not change the solutions we have. Think current solutions can meet current requirements.

C – Way forward maybe to have discussion on issues targeting this other specification.

C – Confused, does solution already exist?

C – What’s new is that the issue is connected to a WFA standard.

C – Looking at 4.2 did not think we were addressing MAC address change during association.

A - Added wording to 4.2 to allow association to be rejected if not in pass or block list.

C – Reminder that IEEE rules are different and presentations are from individuals, hence this presentation is not from a company but from the individuals.

Okan Mutgan took over the presentation.

Table 2 analysis, each proposal can be assigned scores. Also Yes/No questions. Method to make judgement.

C – This would be helpful but then TG might spend hours debating the numbers. Probably everyone comes to their own decisions.

C – Trying to make sure we come to a good solution. We had many proposals so how to come to decision

A - That was intention of the Motions.

C – Same thoughts, we have discussed how to score these ideas, we need to have the solutions, can have several solutions. We need a draft to put out to comment and get feedback.

C – Hopefully each member will think deeply on this before voting.

Q – What are the next steps for this document?

A – Maybe two answers, one for each part that was presented. Can use this as reference for the motions. As to updating the document might need another pass. Need to accept all the previous changes before showing the new changes. Consider this on next call?

1. **Review of Tracking Document**

Chair referred to 22/0435r0. If group needs to discuss anything, let him know.

Chair discussed items not yet in the document and cleaning up the text and comments

1. **WBA Liaison**

Nothing new.

1. **AOB**

Anything else? None

**Out of agenda**

**Meeting adjoined at 20.06 ET.**

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |
| TGbh | 4/7 | Andersdotter, Amelia | Sky UK group |
| TGbh | 4/7 | Ansley, Carol | Cox Communications Inc. |
| TGbh | 4/7 | Hamilton, Mark | Ruckus/CommScope |
| TGbh | 4/7 | Harkins, Daniel | Hewlett Packard Enterprise (Aruba Networks) |
| TGbh | 4/7 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbh | 4/7 | Mutgan, Okan | Nokia |
| TGbh | 4/7 | Orr, Stephen | Cisco Systems, Inc. |
| TGbh | 4/7 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGbh | 4/7 | Sam, Harvey | Broadcom Corporation |
| TGbh | 4/7 | Sevin, Julien | Canon Research Centre France |
| TGbh | 4/7 | Smith, Graham | SRT Wireless |
| TGbh | 4/7 | Srivatsa, Veena | Synaptics |
| TGbh | 4/7 | Stanley, Dorothy | Hewlett Packard Enterprise |
| TGbh | 4/7 | Thakore, Darshak | Cable Television Laboratories Inc. (CableLabs) |
| TGbh | 4/7 | Torab Jahromi, Payam | Facebook |
| TGbh | 4/7 | Yang, Jay | Nokia |