Minutes IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbh Meeting Minutes, December 15, 2022  Randomized and Changing MAC addresses (RCM) | | | | |
| Date: 2022-12-15 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Peter Yee | NSA-CSD | Mountain View, CA |  | peter@akayla.com |
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Abstract

This document contains the minutes of the IEEE 802.11bh telecon meeting of December 15, 2022.

Note: Highlighted text are action items.

Q- proceeds a question asked at the meeting

A- proceeds an answer

C- proceeds a comment

**Meeting December 15, 2022 7:00 p.m. to 9:00 p.m. ET**

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

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

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

**Secretary: Peter Yee**

**Editor: Carol Ansley (Cox)**

**The teleconference was called to order by the Chair at 7:03 p.m. EST.**

Agenda slide deck [11-22/2161r00](https://mentor.ieee.org/802.11/dcn/22/11-22-2161-00-00bh-agenda-tgbh-2022-dec-15.pptx)

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)**
  + Timeline reminder (slide 24)
  + Teleconference plan, going forward (slide 17)
* **Issues Tracking:** [11-21/0332r37](https://mentor.ieee.org/802.11/dcn/21/11-21-0332-37-00bh-issues-tracking.docx)
* **Results of Comment Collection on D0.2:** [11-22/0973r13](https://mentor.ieee.org/802.11/dcn/22/11-22-0973-13-00bh-cc41-comments-against-d0-2.xlsx)
* **Motions record:** [11-22/0651r9](https://mentor.ieee.org/802.11/dcn/22/11-22-0651-09-00bh-tgbh-motions-list.pptx)
* **Contributions (slide 16)**
* **WBA liaison response**

Any comments? [None]

Any objections to agenda? [None]

1. **Timeline and Teleconferences**

Mark Hamilton (Ruckus/CommScope) reviewed the current timeline with the expected March 2023 date for the first WG letter ballot. Teleconferences are being held Tuesday morning and Thursday evening EST as an experiment. No decision has been made on the level of success of the experiment.

1. **CR for STA generated ID**

Jay Yang (Nokia) discussed [11-22/1079r07](https://mentor.ieee.org/802.11/dcn/22/11-22-1079-07-00bh-cr-for-sta-generated-id.docx). He presented option 2 (e-RRCM only [enhanced Rule-based Random and Changing MAC]), which he believes saw strong support during a straw poll held during the November plenary. [The other options are RRCM only and RRCM+MAAD. [11-22/1802r01](https://mentor.ieee.org/802.11/dcn/22/11-22-1802-01-00bh-enhancement-of-rrcm.pptx) is a presentation about e-RRCM.] Yang lists the merits of e-RRCM as:

1) The generated RMA (random MAC address) is used as an index to map the pairwise key; the RMA is never the identifier.

2) Address trackable issue based on the RMAs

3) Mutual identification following the recommended direction in DPP.

4) Avoid DOS (Denial of Service) attack.

5) Fast search the pairwise key; the MIC is only calculated one time.

6) Address the identifier copy issue, replay attack, spoof AP issue.

In great detail, Yang explained the textual changes to clause 12.2.12 that would effect the e-RRCM proposal.

Q- I need to view this in context before I can have meaningful comments. What date would you like to receive comments by?

A- The current plan is two calls before January. Graham Smith needs to present his document, so we probably won’t have time to get into specific proposals and comparisons until after the first of the year.

Q- That wording in Note 2 on page 16 says wildcard SSID probes and broadcast probes together. Could you check that that is correct? I think many implementations don’t do both together and it has been made illegal in a recent amendment.

A- Okay.

C- On page 20, the wording under figure 9.4.2.296c (VIE element) should not say that the algorithm is negotiated (it’s always AES-128-CMAC) and therefore the MIC field is always 8 octets.

C- Right.

C- We are at the point where the group needs to decide on which proposal(s) to use. This is good progress on this proposal. Now we need to hear Graham’s clarification of requirements and look over the discussion on the mailing list.

**Meeting adjoined at 7:42 p.m. EST.**

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |
| TGbh | 12/15 | Derham, Thomas | Broadcom |
| TGbh | 12/15 | Hamilton, Mark | Ruckus/CommScope |
| TGbh | 12/15 | Levy, Joseph | InterDigital |
| TGbh | 12/15 | Petrick, Al | InterDigital |
| TGbh | 12/15 | Sevin, Julien | Canon |
| TGbh | 12/15 | Thakore, Darshak | CableLabs |
| TGbh | 12/15 | Yang, Jay | Nokia |
| TGbh | 12/15 | Yee, Peter | NSA-CSD |