Minutes IEEE P802.11  
Wireless LANs

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

Abstract

This document contains the minutes of the IEEE 802.11bh telecom meeting March 3, 2022.

Note: Highlighted text are action items.

Q- proceeds a question asked at the meeting

A- proceeds an answer

C- proceeds a comment

**Meeting March 3, 2022 17.00 to 19.00 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 17.03 hrs. EDT,**

Agenda slide deck 11-22/0406r1

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)
* **Way forward on solutions**
  + Solutions Straw Polls analysis: [11-22/0405r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0405-01-00bh-solutions-straw-polls-analysis.pptx)
* **Contributions:**
  + [11-22/0360r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0360-01-00bh-the-identification-issue-in-pre-association.pptx): Identification issue in pre-association (Jay Yang)
  + [11-22/0301r1](https://mentor.ieee.org/802.11/dcn/22/11-22-0301-01-00bh-maad-mac-text.docx): MAAD MAC text (Graham Smith)
* **Review of Issues Tracking uncovered items (margin comments, etc.)**
* **WBA liaison response**
* **Next meetings: March plenary (4 meetings)**

Any comments? None

Any objections to agenda? - None

Agenda accepted.

Chair noted that the timeline is still off track but hopefully D0.1 for March 2022. Also noted that there are contributions with text

1. **Issues Tracking document**

Now Rev 30 is latest posted. Any comments? None

C – There is a new User Case contribution 22/360. This belongs in Issues Tracking.

A – Do intend to be presented today and yes should be added to the Issues Tracking agenda item.

1. **Way Forward**

Chair presented 22/405

Graham presented Email with alternative method for calculating. Similar results.

C - Opaque device ID and Network Generated should be considered the same.

C – The slope idea effectively ignores the Medium vote.

Chair – How do we view these results? Are they simply indicators to the authors?

C – Still looking for D1.0 before end of Plenary?

A – Would be nice, is it doable, and how do we get there.

C - We should shorten the list to the 4 indicated by the Poll analyses.

Chair – good news is that we do have text for all four.

1. **Use Cases Discussion 22-360r1** presented by Okan Mutgan

Noted “that passive scanning is becoming more common”. Is that really true?

Hence, is 4.8 one to be focussed on?

Two new Use Cases presented.

Cycling APs on/off by monitoring for STA MAC Address by “controller AP”.

Q – Unclear if post or pre-association situation. Reference Use Case 4.3 assumes STAA 1 associates, (AP1) then somehow the network understands it is the same even if MAC address changed. Unsure why probe requests are described.

A – Probe request could be used before RCM. Yes, similar to 4.3, but AP1 is controller and APs 2 and 3 can be turned off.

C – Maybe similar to 4.3 and 4.8

C – Is this hypothetical or actually deployed?

A – Yes, we know of this topology.

C – If you wish to write text for inclusion in the Issues Document, then please do.

Allow/deny MAC address list

C – 4.2 comes pretty close to this.

C – Parental control does not deny access. Just services, this is full denial.

C – Note that MAAD MAC scheme solves this as the TA is recognized pre-association.

Chair – Should we add these to the Issues Tracking, any objection? None

C – Could be modifications to existing or add as new. Either would be acceptable. Also if you could do the analysis in sections 5 and 6 as well.

1. **MAAD MAC Text 22/0301r1** presented by Graham Smith

C – Frames not protected. What if spoof AP sets MAAD support to 0? What does STA do.

A – If STA does not trust AP then should not associate. Does it matter?

C – Do we need to change text in 12.2.10.

A – Yes

C – Could the new MAC address be transported in the 4W HS? Transport of the new MAC address could be in 4 W HS as for the opaque ID scheme?

A – Worth thinking about.

C – ESS considerations. Associate with AP or ESS? Needs to be specified. Spec is not very clear on this.

A – Yes agreed, do not know how to explain. Would welcome help on this. Idea is definitely the ESS.

C – Yes, this is universal, need to look at 12.2.10 and clarify if any scheme is implemented. Transactional exchange with network that extends across network.

1. **AOB**

Chair, still need to look into WBA. Need to have an idea of the direction we are considering before responding.

Anything else? Note next meeting.

**Out of agenda**

**Meeting adjoined at 18.27 ET.**

**Attendance**

|  |  |  |  |
| --- | --- | --- | --- |
| Breakout | Timestamp | Name | Affiliation |
| TGbh | 3/3 | Andersdotter, Amelia | Sky UK group |
| TGbh | 3/3 | Ansley, Carol | Cox Communications Inc. |
| TGbh | 3/3 | Derham, Thomas | Broadcom Corporation |
| TGbh | 3/3 | Hamilton, Mark | Ruckus/CommScope |
| TGbh | 3/3 | Levy, Joseph | InterDigital, Inc. |
| TGbh | 3/3 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbh | 3/3 | Mutgan, Okan | Nokia |
| TGbh | 3/3 | Orr, Stephen | Cisco Systems, Inc. |
| TGbh | 3/3 | Riegel, Maximilian | Nokia |
| TGbh | 3/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| TGbh | 3/3 | Sevin, Julien | Canon Research Centre France |
| TGbh | 3/3 | Smith, Graham | SRT Wireless |
| TGbh | 3/3 | Torab Jahromi, Payam | Facebook |
| TGbh | 3/3 | Xu, Yanchao | Zeku |
| TGbh | 3/3 | Yang, Jay | Nokia |