Minutes IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbh Meeting Minutes, February 14, 2023  Randomized and Changing MAC addresses (RCM) | | | | |
| Date: 2023-02-14 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes of the IEEE 802.11bh telecon meeting of February 14, 2023.

Note: Highlighted text are action items.

Q- proceeds a question asked at the meeting

A- proceeds an answer

C- proceeds a comment

**Meeting February 14th, 2023 9:30 a.m. to 11:30 a.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 9:33 a.m. EST.**

Agenda slide deck [11-23/0220r00](https://mentor.ieee.org/802.11/dcn/23/11-23-0220-00-00bh-agenda-tgbh-2023-feb-14.pptx)

1. **Policies and procedures were presented by the Vice Chair Peter Yee. (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)
* **Discussion on Way Forward**
* **Contributions**
* **WBA liaison response**

Any comments? [None]

Any objections to agenda? [None] - approved

1. **Discussions on Way forward**

PAR update – propose a motion on Feb 28th 2023 if the group wants to updated the PAR.

* Chair discussed the proposed text changes (clarifications) on slide 16
* Chair opened the floor for comments.

Q – Never been in a group where they change their PAR – what does this mean.

A – (Chair) What we are hoping to do is clarify the PAR not change it. This type of clarification has happened before.

Q – Does it make sense to go through this.

A – Trying to find consensus at the WG level – and peel back the issue and find out why we are going in circles within this group.

Q – Seems to add a lot of pre-assoc use cases. Does this mean that pre-assoc use cases are out of scope of the current PAR?

A – We can work on wording to make this clear (pre and post assoc). Intent was to expand on “customer support”

C – Viewpoint that this is adding pre-assoc use cases. Diag and troubleshooting is only for associated devices. No need for PAR change for pre-assoc use cases.

C – second the previous comment regarding pre-assoc identification of the STA. Did we really understand the process of customer support (how did they work pre-RCM). We didn’t take the time to understand that – and probably should take the time to do that.

C – If you are updating the PAR – the clarifying statements in parenthesis. These would be added in section 8.1 if you are updating the PAR.

C – Pre-assoc is really not clear where the client has not joined or selected a network, and then there is the point where it selects the network. This has not been clearly defined in .11 – when going down the route of privacy, we may need to define this intermediate state. If we did – some of these issues may be easier to solve.

C – This does an excellent job of clarifying the original intent of what the group should do. However, we do need something to address pre-assoc and this change does that. Why do we need to change the PAR if we can’t arrive at a pre-assoc scheme are we really addressing the current PAR?

C – If a device is not associated and you haven’t dealt with it before, that is the only pre-assoc case we agreed to. Maybe after “troubleshooting” parenthetical needs to be cleared up.

C – Suggest including “returned devices”

C- Issues tracking doc does not do a good job. We need a presentation on how RCM has wrecked things like troubleshooting.

C – RCM may not have wrecked things…if STAs wanted to maintain privacy they could have just used passive scanning. Need to differentiate discovering a network vs interacting/joining the network.

C – In the past clients may not have been trying to get around things.

C – You can’t make a claim that it was always helpful – in some cases it may be.

C – Suggestion around Active Scanning prior to assoc.

C – Disagree with mandating Active Scanning

C – These are not new use cases – they are old use cases. Maybe we just don’t understand them. Need a presentation/contribution on how it is done. There should be no doubt about these use cases.

C – Whether we address all of these use cases via 802.11 is the sticking point.

C – the problem we are having right now is we have a bunch of pre-schemes that can address the use cases, the issue is we can’t agree on one.

C – (Chair) Where are we stuck and not sure what to propose to get us un-stuck.

C – We have been over all the use cases, lets go through the down-select and take whatever comes out.

C- (Chair) if we don’t come to consensus soon we will not make the March timeline. Maybe we go back to the reflector and get some additional input for pre-assoc.

C – There is a difference on the client side regarding pre-assoc when a client hasn’t selected a network vs when it has selected a network (decided to set up state). Two real states – Network Discovery and Network Selection.

C – Maybe we should rephrase to use Network Discovery and Network Selection.

C – We could do a strawpoll to go with draft 0.2

C – (Chair) we have run strawpolls multiple times

C – If we can’t reach a conclusion on the pre-assoc case can we move to letter ballot? We may need to modify the PAR because we will not meet the scope of the current PAR.

Chair – run through the down-select or accept D0.2

Chair constructed the following straw poll:

Text

Description automatically generated

Yes (13)

No (10)

Abstain (4)

No Answer (2)

Chair constructed the following straw poll:

Text

Description automatically generated

Yes (15)

No (10)

Abstain (2)

No Answer (1)

C: Covering adding one or more solutions to address “pre-association” cases.

Discussion on what to do next:

C: One proposal was to move the content over to TGbi

C: Other commentors spoke against moving the content to TGbi

C: Suggest changing the PAR to move the “pre-Assoc” content out of TGbh, with TGbi free to pick it up or not

C: Another comment that the joint TGbi/TGbh meeting did not move toward collapsing the groups’ respective scopes

Chair proposed to begin the down-selection vote, allowing votes for as many schemes as a person is willing to support

First poll was run (Chair has results).  Choices with 3 or fewer votes were eliminated.  Poll was run again on the reduced selection set.

Chair has results.

Only one option was eliminated with 3 or fewer votes on this round.

Some discussion of whether or not the meeting could be extended, but most spoke against extending the meeting.

Results of third round eliminated 3 more choices.  Chair decided to run one more round with the last 3 surviving choices.

Chair has results.  One of the 3 (IRMA) was lower than the other 2 and was a candidate for elimination, but time ran out at that point.

**Meeting adjoined at 11:30 a.m. EST.**

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |

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| TGbh | 2/14 | Ansley, Carol | Cox Communications Inc. |
| TGbh | 2/14 | baron, stephane | Canon Research Centre France |
| TGbh | 2/14 | Hamilton, Mark | Ruckus/CommScope |
| TGbh | 2/14 | Hedayat, Ahmadreza | Apple Inc. |
| TGbh | 2/14 | Henry, Jerome | Cisco Systems, Inc. |
| TGbh | 2/14 | Kneckt, Jarkko | Apple, Inc. |
| TGbh | 2/14 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbh | 2/14 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| TGbh | 2/14 | Mutgan, Okan | Nokia |
| TGbh | 2/14 | Nezou, Patrice | Canon Research Centre France |
| TGbh | 2/14 | Orr, Stephen | Cisco Systems, Inc. |
| TGbh | 2/14 | Petrick, Albert | InterDigital |
| TGbh | 2/14 | Riegel, Maximilian | Nokia |
| TGbh | 2/14 | RISON, Mark | Samsung Cambridge Solution Centre |
| TGbh | 2/14 | Sam, Harvey | Broadcom Corporation |
| TGbh | 2/14 | Smith, Graham | SRT Wireless |
| TGbh | 2/14 | Smith, Luther | Cable Television Laboratories Inc. (CableLabs) |
| TGbh | 2/14 | Sun, Bo | Sanechips |
| TGbh | 2/14 | VIGER, Pascal | Canon Research Centre France |
| TGbh | 2/14 | Yang, Jay | Nokia |
| TGbh | 2/14 | Zhou, Lei | H3C Technologies Co., Limited |