Minutes IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbh Meeting Minutes, July 26th, 2022  Randomized and Changing MAC addresses (RCM) | | | | |
| Date: 2022-7-26 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes of the IEEE 802.11bh telecon meeting of June 28, 2022.

Note: Highlighted text are action items.

Q- proceeds a question asked at the meeting

A- proceeds an answer

C- proceeds a comment

**Meeting July 26th, 2022 09.30 to 11.30 ET**

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

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

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

**Secretary: Stephen Orr, acting**

**Editor: Carol Ansley (Cox)**

**The teleconference was called to order by the Chair at 09:33 a.m. EDT.**

Agenda slide deck [11-22/1184r1](https://mentor.ieee.org/802.11/dcn/22/11-22-1184-01-00bh-agenda-tgbh-2022-july-26.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
  + Chair went over the Agenda
* Issues Tracking: [11-21/0332r37](https://mentor.ieee.org/802.11/dcn/21/11-21-0332-37-00bh-issues-tracking.docx)
* Contributions (slide 16)
* Next meetings:
  + August 2nd 2022 0930ET

Any comments? None

Any objections to agenda? None

**Agenda accepted unanimously.**

1. **Organization topics**

Slip of timeline – Initial WG Letter Ballot targeting Sept 2022

Timeline on slide 20

1. **Issues Tracking**

The Chair noted that the Issues Tracking document is at r37.

1. **Comment Collection D0.2 11-22/0973r3**
   1. 11-22/1082r2 Device ID Generated by the Network– Jay Yang

Chair: Any objection to the resolutions proposed int the document?

C: No objections from the group

* 1. Continue on to cover CID from 11-22-0973-03-00bh-cc41-comments-against-d0-2

C: Discussed different approaches to the AP sending a new identifier and adding verification

Q: If the AP is going to disconnect the STA because it can’t identify it – outcome may be harsh. Might be better if the AP creates a new ID and sends it to the STA and not correlate the new ID to the old one. Assuming the 4WHS has been successful.

C: Troubleshooting will be broken if the AP cannot identify the STA

C: An identifier mismatch should result in a new ID to the STA. All context is lost with the STA and a new baseline is created

Q: The underlying assumption is the AP and STA are out of synch and we need to rectify the situation. Do we even want to solve this problem?

C: We need a little more work to determine if there is consensus that this is a problem we need to solve. How an identifier gets assigned and used

C: Maybe a state diagram is needed to show the overall flow on how we resych if the STA and AP get out of synch

Q: 12.2.11 – question on the FILS Auth: “AP sends a new identifier” – idea of using a new identifier all the time…is this intentional? If you keep changing the Identifier you can get out of synch.

C: Need a MIB Identifier – Mark H to discuss with Sid T on the MIB

C: CID 16/17 – who uses the ID and the ID can actually mean something.

C: Device ID can be carried in the MLME-JOIN.request primitive

C: We need a set of MIBs to control the feature – MIB to control and MLME to pass information back and forth

C: For a given network (ESS) the device would know what the Device ID is and knows what to use when it comes back. On the AP side – the ID needs to be stored somewhere and recognizes the STA. Feels like MIB work – use an external entity to set the MIB when it wants to be used.

1. **Contributions**
   1. Graham Smith – contributions deferred until later meeting
   2. Jay Yang covered document 1079r2

C: We are having on-going discussion as whether preassoc use cases make sense. We must first understand what we are doing and why before we propose a solution space.

C: We should re-examine the use cases

Chair: Should you present the details or do we discuss the use cases. How to move the submission forward?

A: We can discuss on the reflector

C: Par says this is in scope – otherwise we need to change the PAR. We need to determine if these preassoc use cases make sense.

C: When we first discussed the use cases only a few people had the knowledge of programs that did this. If people know what APs and STAs are using them it would be great if we could get input.

C: It would be good to clarify the use cases BTM would be more beneficial

* 1. Kurt Lumbatis covered document 0832r4

Q: The term Opt-In is loose. Need to define it a little better. Are you opting-in to allow or disallow tracking?

A: We should define text around what it means. Opt-in is not currently defined in 802.11.

C: Let’s do one straw poll with three choices

C: Even if you use opt-in or user agrees – we have normative text on what it means.

A: Right now – we have words like “the device should provide a mechanism for the user to opt-in…” assuming the user did something to opt-in then the device needs to do something.

C: We do need to clarify

Chair – continue with the queue and run straw poll next meeting

C: We should also talk about the taking away of Opt-in/out. While we haven’t used “opt-out” we should talk about it as well.

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

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |
| TGbh | 7/26 | Andersdotter, Amelia | Sky UK group |
| TGbh | 7/26 | Coffey, John | Realtek Semiconductor Corp. |
| TGbh | 7/26 | Fujimori, Yuki | Canon Research Centre France |
| TGbh | 7/26 | GUIGNARD, Romain | Canon Research Centre France |
| TGbh | 7/26 | Halasz, David | Morse Micro |
| TGbh | 7/26 | Hamilton, Mark | Ruckus/CommScope |
| TGbh | 7/26 | Henry, Jerome | Cisco Systems, Inc. |
| TGbh | 7/26 | Lu, Liuming | Guangdong OPPO Mobile Telecommunications Corp.,Ltd |
| TGbh | 7/26 | Lumbatis, Kurt | CommScope, Inc. |
| TGbh | 7/26 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbh | 7/26 | Mutgan, Okan | Nokia |
| TGbh | 7/26 | Orr, Stephen | Cisco Systems, Inc. |
| TGbh | 7/26 | RISON, Mark | Samsung Cambridge Solution Centre |
| TGbh | 7/26 | Sam, Harvey | Broadcom Corporation |
| TGbh | 7/26 | Smith, Graham | SRT Wireless |
| TGbh | 7/26 | Smith, Luther | Cable Television Laboratories Inc. (CableLabs) |
| TGbh | 7/26 | Thakore, Darshak | Cable Television Laboratories Inc. (CableLabs) |
| TGbh | 7/26 | Yang, Jay | Nokia |