IEEE P802.11  
Wireless LANs

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| TGbi Teleconference Minutes May 09th 2024 | | | | |
| Date: 2024-04-16 | | | | |
| Author(s): | | | | |
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Abstract

This document contains the minutes for the IEEE 802.11bi task group meetings that took place Thursday May 09th.

Note: Highlighted text are action items.

Q – proceeds a question

A - proceeds an answer

C - proceeds a comment

Yellow highlight - action point

**Chair: Stephen Mc Cann, Huawei (chair of today’s meeting in replacement of Carol Ansley, Cox Communications)**

**Secretary: Stéphane Baron**

**Vice-chairs: Jerome Henry, Cisco; Stephen McCann, Huawei**

**Technical editor: Po-Kai Huang, Intel**

Chair calls meeting to order at 10:02 ET.

Agenda slide deck: [11-24-0646r4](https://mentor.ieee.org/802.11/dcn/24/11-24-0646-04-00bi-tgbi-telecon-agenda-apr-may.pptx):

1. Reminder to do attendance
2. The chair mentioned the call for essential patents

No one responded to the call for essential patents but there is a comment.

1. Review of policies and procedures.

IEEE individual process slides were presented.

1. The chair covered the IEEE copyright policy and participation rules.
   1. Questions

No Questions

1. **Discussion of agenda 11-24-0646r4 (slide #14)**
   1. Discussion on agenda

11-24/0604 revision in now r7

* 1. Adoption of agenda by unanimous consent (10 participants).

1. **Administrative**
   1. Warsaw meeting Vice -Chairs nomination and Secretary reapproval

For the Warsaw meeting, all task groups must provide the opportunity for new Vice-Chairs and reapprove the Secretary. Stephen McCann has decided to not continue as a Vice Chair. We will spend time on Monday accepting nominations for VCs and voting, if necessary. We will also approve the Secretary.

Chair reminds that the chair and technical editor are appointed positions and doesn’t go thru the reapproval process. Only vice chairs and secretary need reapproval.

* 1. Upcoming agenda slots in Warsaw:

Monday AM2

Tuesday AM2 and PM2

Wednesday PM2

Thursday AM1

Chair indicates she will not be in person in Warsaw for next F2F meeting.

1. **Technical presentations**
   1. [11-24/0762r0](https://mentor.ieee.org/802.11/dcn/24/11-24-0762-00-00bi-proposed-spec-texts-for-key-creation-using-authentication-frame-for-802-1x.docx) -- Proposed spec texts for key creation using authentication frame for 802.1X – Po-Kai Huang

Document presented by Po-Kai.

Document present modification of the 802.1x to create PTKSA after authentication to allow encrypted (re)association request and response frames.

The document mainly describe addition of a new 12.14.7.2. 802.1X paragraph to the key derivation of the EDP part, describing the operation during authentication / association process.

* + 1. Discussion:

Presenter indicates that since this is the first presentation, he will not require a straw poll today and let people study the document.

C: Thank you for this very good work, it sounds good to me. I just need more time to study this document.

A: Sure, this was my intention.

C: Editorial: please just check periods at the end of the bullets.

A: Thank you I will fix that for next revision.

* 1. [11-24/0604r7](https://mentor.ieee.org/802.11/dcn/24/11-24-0604-07-00bi-periodic-frame-anonymization.docx) --Periodic Frame Anonymization – Jerome Henry

Document presented by Jerome

New revision of previously presented document after offline discussion to make different proposals converge.

Document reflects the latest status of this document after contribution from various contributors.

This revision includes a simplified EDP Epoch group management, pseudo randomness of the EDP Epoch start time, and transition period.

* + 1. Discussion:

Q: Antonio: One Sta can request the AP to create a new Epoch?

A: The non-AP STA can request station specific parameters, but the AP can decide to create a group based on that, and announce this new group.

C: If you are a STA asking for a group and other STA join this group, the originator can have an attack vector, but let think about it.

A: You mean if stations have same type, they can be recognized by an attacker creating the group that match those Stations?

A: something like that.

C: Probably and individual group can still make sense.

Q: On the figure related to the transition on top of page 5, I think we need to precise that there are two different periods with two different needs and rules. Let’s discuss that offline or next week to clarify it.

A: Yes, thank you, we can work on it.

Q: Related to the time boundary. The problem is on the reception side. Why do you need to have a complex mechanism? Why don’t you just maintain 3 addresses at all time (previous, current, and next)?

Q: Regarding the MAC address collision avoidance is ok since it will not occur frequently.

A: Regarding the need for an end to the transition period, I think the main reason if to clean AP’s memory. AP will have to maintain a complete context for each non-AP associated stations, not only MAC addresses. In addition, AID range is limited and we need to free AIDs as quickly as possible when not used any more.

Q: When you say 3 addresses, what does it mean?

A: Previous, current and next MAC addresses.

C: Right, I think that cleaning the context still provides benefit and is need, but let’s discuss that offline.

C: Regarding the Current Epoch Number, I think discussion is still on going on how to compute the MAC addresses and so on, so this parameter should then be reserved for now. In other contribution, we use time to compute the Epoch number locally, and then do not need to send it.

A: I think time can be used but creates much more complexity compared to the sending of a counter increasing by one at each Epoch.

C: I think this is beneficial to have a different seed per STA rather than having it for the group.

C: I know people think that the Number of STA is useless, but I think this is useful for a station to determine if the group is private enough or not.

Q: Did you indicate what is the value 0 for the dialog.

A: I think, so, I will check it offline.

Author request people to read and review understanding that the goal is to put something in the future Draft 1.0.

Author indicates that he plans to create a draft 0.8

Chair ask if people are comfortable to produce a draft D1.0.

Most people indicate they would prefer to have comment collection first.

1. **AoB**

No other business.

1. Chair adjourned the meeting at 11:20 EDT.

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |
| TGbi | 5/9 | Chng, Baw | BAWMAN LLC |
| TGbi | 5/9 | Das, Subir | Peraton Labs |
| TGbi | 5/9 | DeLaOlivaDelgado, Antonio | InterDigital, Inc. |
| TGbi | 5/9 | Hawkes, Philip | Qualcomm Incorporated |
| TGbi | 5/9 | Henry, Jerome | Cisco Systems, Inc. |
| TGbi | 5/9 | Ho, Duncan | Qualcomm Incorporated |
| TGbi | 5/9 | Huang, Po-Kai | Intel |
| TGbi | 5/9 | Kain, Carl | USDOT; Noblis, Inc |
| TGbi | 5/9 | Levy, Joseph | InterDigital, Inc. |
| TGbi | 5/9 | McCann, Stephen | Huawei Technologies Co., Ltd |
| TGbi | 5/9 | Yee, Peter | NSA-CSD |