IEEE P802.11  
Wireless LANs

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| TGbi Teleconference Minutes August 14th 2024 | | | | |
| Date: 2024-08-19 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Stéphane Baron | Canon | Cesson-Sévigné, France |  | [Stephane.baron](mailto:Stephane.baron)@crf.canon.fr |

Abstract

This document contains the minutes for the IEEE 802.11bi task group meetings that took place Wednesday August 14th.

Note: Highlighted text are action items.

Q – proceeds a question

A - proceeds an answer

C - proceeds a comment

Yellow highlight - action point

**Chair: Carol Ansley, Cox Communications**

**Secretary: Stéphane Baron**

**Vice-chairs: Jerome Henry, Cisco; Antonio DeLaOlivaDelgado, InterDigital, Inc**

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

Chair calls meeting to order at 10:02 ET.

Agenda slide deck: [11-24-1354r4](https://mentor.ieee.org/802.11/dcn/24/11-24-1354-04-00bi-tgbi-telecon-july-august-agenda.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 11-24-1354r4 (slide #14)**
   1. Discussion on agenda

1397r0 and 1402r0 is added. To the agenda.

Phil proposed to go (for his document 1304r2), after Jerome’s presentations to have time to review latest status of the approved CID resolution.

* 1. Adoption of agenda by unanimous consent (12 participants).

1. **Administrative**
   1. Upcoming Teleconference dates:

August 21, 28, September 4

1. **Technical contributions**
   1. 1359r1: Clause 10.71.2.2 fixes: Jerome Henry

New presentation after modification of the CID 1603 by spitting the sentence in two to makes things clearer as discussed during last presentation

* + 1. Discussion

Q: The text says more than the value, but what if there is more than one default groups?

A: For the moment there is only one group, but I know another contributor is preparing a document to answer this question.

Q: If you ask for a shorter value, you will not be in the default group, right? Can we just provide no value there?

A: In this text we do not say what we do, but in another document, we indicate that if the station provides a pacing element it is checked and if not, it is not put in any group.

C; another contribution will indicate what happens if you indicate a value just above or below the threshold.

**StrawPoll#1 Initial text**:

Support the CID resolutions in the following CIDS from doc 24/1359r1: 1328, 1011, 1077, 1079, 1012, 1081, 1021, 1330, 1168, 1063, 1020, 1332

**Discussion on SP#1 text:**

No discussion

**SP#1 result:** unanimous consent.

* 1. 11-24/1371r1: Fixes to clause 10.71.2.3: Jerome Henry

Document presented by Jerome.

* + 1. Discussion

CID1113:

C: We have a lot of names for epochs and other types. The group is a kind of universal names. So, I think this is good direction to go.

C: I also agree with this direction. Since I see epochs applying to a group of station.

CID1513:

C: Agree with the direction but not of the use of the parenthesis indicating IoT devices. Better to use a Note indicating the guidance for choosing long or short Epoch according to the type of Device (as IoT).

A: Accepted to move the text in the note

A note is created accordingly.

CID 1339

C: I am ok for the resolution of this comment, but we need to reword the sentence to make it more readable. Especially it may be useful to concatenate elements from chapters 12.14.3 and 12.14.4

C: We should indicate FA parameters here.

A: Agree, but this is not the purpose of the comment.

C: This is still a comment collection, we have more freedom to clarify the draft.

Online editorial modification

CID 1339

Q: Can we remove CID 1340 and 1064 from this document since I proposed a resolution for those CIDs related to the transition period handling in another document.

A: OK, sure.

Author prepares a R2 for further SP.

* 1. [1304r2](https://mentor.ieee.org/802.11/dcn/24/11-24-1304-02-00bi-establishing-frame-anonymization-parameter-sets-text-for-11bi.docx) : Establishing frame anonymization parameter sets text for 11bi: Phil Hawks

Document presented by Phil describing how to generate some FA parameters (MAC address, SN and PN)

* + 1. Discussion

Discussion regarding the MAC addresses generation:

C: I think it would be good to minimizing the computing, and we are going in an opposite direction here.

C: It could be good to have an offset calculated at once, large enough to cover all the potential links.

A: This goes against the existing draft where things are done independently.

A: Right, but this part makes no sense to me.

Q: Do you mean we have to generate everything possible (for instance 15 links) and only use what we need?

A: Yes, this is to use only one call to the KDF function.

A: OK, but it could mean generating a lot of unnecessary bits if all we need is for one or two TIDs.

C: Probably, one call will not be enough. 46 bits x 15 times. For MAC addresses it could be ok, but for the TID offset it will be difficult.

Q: To be clear, do you mean that a first part of a bunch of random bits will be for the MAC addresses generation themselves and other bits will be offsets for SN and PNs for instance?

A: Right.

C: I agree that MAC Addresses should be random generated bits, not offset.

Q: How many bits need to be generated?

A: 2000 bits could be sufficient.

Q: How does it work if we add a link using a single long offset (add link reconfiguration, reassociation)? I think there is an issue here.

A: Agree, details need to be considered.

C: The first instance of the computation of the MAC address could be problematic according to the epoch boundary.

C: Agree with previous commenter. Prior to association we don't need to worry about the MAC address - the current rules are good enough. Especially considering that TGbh has addressed reassociation.

C: I think we do not need to standardize the MAC address randomization upon association, but only upon Epoch change.

A: I understand your point and now I have to gather opinion of other people.

C: I think we should also consider that a station may associates shortly before next Epoch. In that case we may just skip this change.

C: I don’t like the idea of having a specific behavior depending on time the station associates. We should let the AP manage that.

A: An epoch boundary may come up very quickly right after reassoc. In which case we need to compute a new MAC address?

A: The AP MLD doesn't know which link the non-AP MLD wants until the non-AP MLD requests the new link. First MAC address generation should remain a station responsibility.

Q: Why do we need so many parameters to generate the values. Maybe time is enough. I don’t like to have fixed parameters like Link Id or Group ID.

A: Agree, I will probably remove the group ID, let me check if Link Id can be removed also.

Discussion regarding the SN and PN offset generation:

C: overall I am ok with KDK and Hash. I have similar consideration to generate everything at once or SNid per SN id.

A: If there is no technical difference this is more a philosophical question.

C: For MLD SNS2 and SNS4 may not exist anymore.

C: SNS8 is a per link stuff for fine timing so this should be considered in the decision to generate everything at once or only the one we really use.

A: This is why I propose an individua think but I agree we can look into that.

C: A way to go is to indicate the SNS that are relevant for MLD.

A: OK, we can remove things from the table and make an explanatory note for the removed ones.

Q: Chair : Do you want to be scheduled for next time or need more time ?

A: I will discuss offline and let you no when I will be ready.

1. **AoB**

No other business.

1. Chair adjourned the meeting at 12:00 EDT.

**Attendance**

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| Breakout | Timestamp | Name | Affiliation |
| TGbi | 08/14 | Huang, Po-Kai | Intel |
| TGbi | 08/14 | Smith, Luther | Cable Television Laboratories Inc. (CableLabs) |
| TGbi | 08/14 | baron, stephane | Canon Research Centre France |
| TGbi | 08/14 | Levy, Joseph | InterDigital, Inc. |
| TGbi | 08/14 | Sevin, Julien | Canon Research Centre France |
| TGbi | 08/14 | Hawkes, Philip | Qualcomm Incorporated |
| TGbi | 08/14 | Henry, Jerome | Cisco Systems, Inc. |
| TGbi | 08/14 | Ho, Duncan | Qualcomm Incorporated |
| TGbi | 08/14 | Sun, Bo | Sanechips |