IEEE P802.11  
Wireless LANs

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| IEEE 802.11 TGbb Task Group on Light Communications  TGbb July 2021  Meeting Minutes | | | | |
| Date: July/2021 | | | | |
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Abstract

This document contains the Task Group on Light Communications (TGbb) July Plenary 2021 meeting minutes

**IEEE 802.11 Task Group TGbb**

**July 12, 2021, 11:15-13:15 EDT**

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Tuncer Baykas (Hyperion) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
   * It is reminded all to register and record their attendance through the IMAT system
2. The Chair introduced the overall agenda in doc. 11-21/0947r1 for the call.

**Nancy Lee (Signify) indicated there is another contribution** 11-21/**1118r0**

**Amend agenda and generate doc. 11-21/0947r2 for the call.**

Extended agenda approved with unanimous consent.

1. Editor Volker Jungnickel (HHI) guides through comment resolutions in 11-21/1017r2,

Cong Han (Purelifi) explained new comment im in **11-21/1017r3.**s. They start from CCI 38.

**Nancy Lee (Signify) explained comments in 11-21/1118r0.**

They are about removing LCO PHY.

1. D0.5 is shown by the editor. Resolution for comments in **11-21/1017r3 is started.** The resolutions will be shown in **11-21/1017r4.**
   * CCI 38 is discussed. Proposed resolution is accepted.
   * CCI 39 is discussed.
     + C:The parapragh is copied from the VHT PHY introduction.
     + C:A contribution would be beneficial.
     + C:The comment requires majpr changes and a contribution to explain it would be much better.
     + C:Addition of new PHY modes should be explained in detail.
     + A contribution will be uploaded about the comments.
   * Discussion on comments CCI39 to CCI45 are postponed
2. Resolution for comments in **11-21/1118r0 is started.** The resolutions will be shown in **11-21/1118r1.**
   * CID 1 is discussed. A revised resolution is accepted.
   * CID 2 is discussed. Proposed change is accepted.
   * CID 3 is discussed. Proposed change is accepted.
   * CID 4 is discussed. Proposed change is accepted.
   * CID 5 is discussed. Proposed change is accepted.
   * CID 6 is discussed. Proposed change is accepted.
   * CID 7 is discussed. Proposed change is accepted.
   * CID 8 is discussed. Proposed change is accepted.
   * CID 9 is discussed. Proposed change is accepted.
   * CID10 is discussed. Revised resolution is accepted.
   * CID 11 is discussed. Proposed change is accepted.
   * CID 12 is discussed. Proposed change is accepted.
   * CID 13 is discussed. Proposed change is accepted.
   * CID 14 is discussed. Proposed change is accepted.
   * CID 15 is discussed. Proposed change is accepted.
3. Chong Han (PureLifi) presented 11-21/1124r0.
   * Channel numbering is not an easy problem.
   * Each part should be checked.
   * Chong Han (PureLifi) wiil upload 11-21/1124r1 with new channel numbers and groups will have 1 day to review.
4. Group started PAR discussion. The Chair showed the original PAR.
   * The suggestion is to remove the upper bound.
   * C: I am in favour of removing the upper bound since it will set an unreachable limit, given with todays technology.
   * C: In favour of removing the limit to not to crate high expectations.

Strawpoll

Do you support the removal of the upper-boound from the TGbb PAR?

Yes: 21

No: 1

Abstain:10

No answer 19

1. Discussion on the other parts of the PAR:
   * C: Coexistance should be coexistence in line 20.
   * C: Line 12, Operaiton are said 380 nm to 5000 nm but current limits are lower.
   * C: Being more narrow of the scope are ok.
   * C: Narrowing the scope is ok as well.
   * C: Different groups are checking these PARs as well. So to start other projects it will be good for incoming projects as well.

Strawpoll

Do you support the change to change the operating band for LC from the current 280 nm to 5000 nm to a narrower band band of 800 nm to 1000 nm?

Yes: 14

No: 1

Abstain: 16

No answer: 19

1. A motion will be run on Wednesday AM2.
2. Group is in recess at 13:00 .

**Tuesday, July 13, 2021,  9:00AM  (ET)**

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Tuncer Baykas (Hyperion) as a temporary secretary recorded the minutes.
2. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.

No essential patents are claimed.

It is reminded all to record their attendance through the IMAT system.

1. The Chair introduced new overall agenda in doc. 11-21/947r2 for the meeting.

1. **TGbb Motion** to approve the agenda in 11-21/947r2

**Motion approved unanimously.**

1. Chong Han (PureLifi) presented 11-21/1124r1

C: The term optional should be added to the places.

C: Nothing will be changed in common mode.

C: Editor’s node are added about the clause numbers.

1. Editor and Chong Han worked on the documeny.

C: It is suggested to add TBD as Editors note for channelization numbers.

C: The group should check the document offline.

C: 11-21/1124r2 will be prepared to apply changes.

1. Volker Jungnickel started comment resolution in 11-21/1017r5

CCI39: Revised resolution is provided.

CCI40: Revised resolution is provided

CCI41: Revised resolution is provided

CCI42,43,44,45: Revised resolution is provided

1. Resolutions can be found in 11-21/1017r5.

1. Volker Jugnickel mentioned that the timeline in 11-21/1290r9 is wrong according to IEEE editors C: Submission for sponsor ballot should be later.

C: Chair made the corrections.

C: A motion will be added to approve new timeline.

1. Volker Jugnickel mentioned that TGbd draft is ready so they will be in front in terms of numbering.
2. Volker Jugnickel mentioned that Revision group will consider groups only which will be published before 2023.

Chair asked if it is possible for Tgbb to finish before 2023?

C: It is hard to finish.

C: The group should start SA ballot March 2022

C: Creating a good quality document is more important.

1. Group discussed possible telecommunication dates.
2. The dates are provided in 11-21/1290r10

1. Group discussed the PAR.

Q:Does retransmitted CCA change MAC

A:No, MAC does not care if CCA is retransmitted.

C: Current MAC won’t change.

C: Changing the PAR stating, “This amendment may also specify changes… MAC …”

C: If group achieves its objectives without any changes in MAC, it will be still considered successful.

1. Group will vote on the minutes, PAR change and comment resolutions on Wednesday AM! Meeting.

1. Group is in recess

**July 14, 2021, 9:00-11:00 EDT**

1. The IEEE 802.11 TGbb meeting was called to order at by the Chair, Nikola Serafimovski (pureLiFi). Tuncer Baykas (Hyperion) recorded the minutes.

1. The Chair reviewed the IEEE-SA patent policy, logistics, and reminders, including meeting guidelines and attendance recording procedures.
   * It is reminded all to register and record their attendance through the IMAT system
2. The Chair introduced the overall agenda in doc. 11-21/0947r3 for the call.
   * The group will review PAR
   * Approval of the minutes.
   * Motions to include new text into Draft 6.0 from the week.

C: 11-21/1114r0 is not presented.

C: These are two sıbclauses suggested by us. We didn’t discuss it yet.

C: Some comment resolutions are postponed.

C: Group will start with the PAR and then review the document and do some comment resolutions.

**Motion to approve agenda shown in doc. 11-21/0947r3 for the call.**

Agenda approved with unanimous consent.

1. Group started PAR review using doc 11-21/1125r0.

C: Changes are straightforward and correct.

C: The use of the term “may” is not necessary, since that’s how scopes work.

Q:If in the final amendment, there are no MAC changes, will this document work?

A: Yes

C: The PAR modification form should be filled and voted by the task group.

C: Change the sponsor ballot date: May 2022 completion date to Dec 2022

**Motion:** Approve the modifications outlined in doc. 11-21/1125r1.

Moved by: Harry Bims (Bims Lab)

Seconded by: Matthias Wendt (Signify)

Approved by unanimous constent.

1. Group started comment review using doc 11-21/1117r6.
   * CCI 2, Comment withdrawn
   * CCI 3, Comment withdrawn
   * CCI 6, Revised resolution is approved.
   * CCI 10, Rejected.
2. Group started comment review using doc 11-21/1050r2.
   * CID 61, A revised solution is approved.
3. Chong Han presented doc 11-21/1114r0
   * Deletion of subclause for LC HE PHY is suggested. They should be moved to 32.3.1
   * Presenter agreed to move.
   * A revised version will uploaded, doc 11-21/1114r1.
4. Motions
5. Approve the modifications outlined in doc. 11-21/1125r1 for the TGbb PAR.

Move: Harry Bims

Second: Matthias Wendt

Y / N / A unanimous

1. Believing that the PAR modification contained in the document referenced below meets IEEE-SA guidelines, Request that the PAR modification contained in doc. 11-21/1157r0 be posted to the IEEE 802 Executive Committee (EC) agenda for WG 802 preview and EC approval to submit to NesCom.

Moved: Tuncer Baykas,

Seconded: Harry Bims,

Result: unanimous (33 participants on the call, 16 Voters

1. Approve the minutes from the May 2021 interim meeting, specifically:

doc. 11-21/0847r0

Move: Tuncer Baykas

Second: Harry Bims

Y / N / A unanimous

1. Approve the minutes between the May 2021 and the July 2021 meeting, specifically:

doc. 11-21/913r0

doc. 11-21/1037r1

doc. 11-21/1092r1

doc. 11-21/1110r0

Move: Matthias Wendt

Second: Harry Bims

Y / N / A unanimous

1. Approve the TGbb timeline as proposed in doc. 11-19/1290r10 and the teleconference associated in the document

Move: Matthias Wendt

Second: Volker Jungnickel

Y / N / A unanimous

1. Having approved comment resolutions for all of the comments received from TGbb comment collection on TGbb Draft 0.5 as contained in documents   
   11-21/1050r3, 11-21/1017r6, 11-21/1118r1, Instruct the editor to prepare Draft 0.6 incorporating these resolutions and, Approve a 30 day TGbb comment collection.

Move: Volker Jungnickel

Second: Harry Bims

Y / N / A unanimous

1. Instruct the Technical Editor to include the content in doc. 11-21/1114r1, excluding P3L17, P4L5, P5L18, and P6L8 into Draft 0.6 in P20L4 of Draft 0.5.

Move: Chong Han

Second: Harry Bims

Y / N / A unanimous

Group discussed how many meeting slots are needed.

It is decided that 6 time slots will suffice.

The overlaps should be avoided.

Motion to adjourn.

Approved.