IEEE P802.11  
Wireless LANs

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| IEEE 802.11bd Task Group Meeting Minutes –  March 2020 | | | | |
| Date: 2019-03-03 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| James Lepp | BlackBerry | 1001 Farrar Road, Ottawa, Canada |  | jlepp@blackberry.com |
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Abstract

This document includes minutes of all IEEE 802.11bd teleconference between the January and March face to face meetings.

*Versioning:*

R0: Uploaded after Feb 4 teleconference

R1: Uploaded after Feb 18 teleconference

R2: Uploaded after Mar 3 teleconference

# Tuesday, February 4, 2020

## Opening

* 1. Call to order 9:05 AM EST
  2. Chair introduced the task group leadership
  3. Chair introduced the patent policy and meeting rules.
  4. No response to the call for patents.

## Agenda

* 1. Chair presented the agenda as sent on email list: <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00192.html>
  2. Chair is verifying that presenters are on the call and order of presentations
  3. Agenda for this session has been adopted without objection

### Draft TGbd Comments on FCC NPRM Docket 19-138 (802.11-20/0104r12)

* 1. Presentation by Vice Chair Joseph Levy
     1. Oral report on the state of the document
     2. Members have been contributing
     3. Still have at least 30 days since NPRM hasn’t officially been published
     4. Document has been discussed on three weekly 802.18 calls so far.
     5. Best way to contribute is to provide the text on the reflector
     6. Several sections are awaiting contribution
  2. Discussion
     1. Discussion about timeline. If the NPRM enters the federal register after Feb 19, the 30 day window includes the EC closing plenary at March F2F. If it is before that date, then email approval is needed as previously planned.
     2. Question about breaking up document to approve subsections piece by piece
     3. Response that so far its been contribution driven.
     4. Proposed process: Joe to send an email listing missing sections and questions to the email to drive consensus in the next two weeks.

### Technical Submission (802.11-20/0102r1)

* 1. Presentation by James Lepp
  2. Discussion:
  3. Question about whether this proposal makes sense in any regulatory region at this point. Suggesting no change at this time.
  4. Discussion about preamble relating to coexistence 11bd vs 11ax in U-NII-4
  5. Member supports the idea. FCC is in deadlock. Need to start right away. Make the FCC aware of an activity for simple sharing between DSRC and Wi-Fi in U-NII-4. Deal with sharing now, deal with protection later.
  6. Comment on the [P802.11bd PAR](https://standards.ieee.org/project/802_11bd.html). It contains the word 5.9GHz band and references the annex E. That annex has not yet changed. Don’t need to change the PAR.
  7. Eventually need to make changes to the Annex depending on the outcome of FCC rulemaking process.

### Liaison from ITU-T FG-VM (802.11-20/0223r0)

* 1. Liaison was posted to 802.11 and 802.11bd email list.
  2. Zip file contains 3 documents from ITU-T FG-VM
  3. Use cases document which was recently completed
  4. Architecture document which is now under development
  5. Call for participation. FG-VM meets the week before our March Face to Face. Remote participation is possible. See the document for detailed information.
  6. Presenter suggests no response needs to be drafted. If a member disagrees please draft something.

### Closing

* 1. End of agenda
  2. Any other business? None brought forward.
  3. Meeting is adjourned at 10:00am EST

Attendance:

* James Lepp (BlackBerry)
* Bo Sun (ZTE)
* Dongguk Lim
* Hanseul Hong
* Hiroyuki Motozuka (Panasonic)
* Ionnis Sarris (u-blox)
* Joseph Levy (Interdigital)
* Onn Haran
* Osama Abdul-Magd
* Paul Underhuber (DLR)
* Rui Yang (Interdigital)
* Sebastian Schiessl (u-blox)
* Timothy Jeffries

# Tuesday, February 18, 2020

## Opening

* 1. Call to order 9:30 AM EST after some technical difficulties starting the webex and several notices on the email reflector. <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00207.html>
  2. Chair introduced the task group leadership
  3. Chair introduced the patent policy and meeting rules.
  4. No response to the call for patents.

## Agenda

* 1. Chair presented the agenda as sent on email list: <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00202.html>
  2. Agenda for this session has been adopted without objection

### Status of TGbd Comments on FCC NPRM Docket 19-138 (802.11-20/342r0)

* 1. Presentation by Vice Chair Joseph Levy
  2. Discussion
     1. 802.18 chair commented that new text submissions are needed sooner than later. Need to vote on the final version on Thursday.
     2. Comment that the conclusion also needs to be written.
     3. 802.18 chair thanked the TGbd vice chair for his work moving this document forward.
     4. Member comments he is interested in reviewing the document.

### Draft TGbd Comments on FCC NPRM Docket 19-138 (802.18-20/0020r5)

* 1. Summary of recent changes by Vice Chair Joseph Levy
  2. Discussion
     1. Sections requiring further input were highlighted
     2. Members offering comments were directed how to present them to IEEE 802.18.

### Closing

* 1. End of agenda
  2. Any other business?
     1. John Kenney, Liaison person for IEEE 1609, provided the group with information about the next IEEE 1609 tomorrow and highlighted IEEE 802.11bd related agenda items.
     2. Vice chair mentioned the potential for drafting reply comments based on the FCC schedule dates between March 10 and April 6. Our face to face meeting Atlanta lines up with this period.
     3. No further business.
  3. Meeting is adjourned at 10:26am EST

Attendance:

* James Lepp (BlackBerry)
* Bo Sun (ZTE)
* Dongguk Lim
* Jeongki Kim (LG)
* Joseph Levy (Interdigital)
* Alecs (Qualcomm)
* Claudio da Silva
* Rui Yang (Interdigital)
* Chenchen Liu (Huawei)
* John Kenney
* Onn Haran
* Sebastian Schiessl (u-blox)
* Stephan Sand (DLR)
* Timothy Jeffries
* Xiaofei
* Yonggang Fang
* Yan Xin
* Jay Holcomb (Itron)

Note: A 802.11 SENS telco was scheduled on the same webex so some of those participants joined the latter part of the 802.11bd call with intent to join the SENS call.

# Tuesday, March 3, 2020

## Opening

* 1. Call to order 9:00 AM EST.
  2. Chair introduced the task group leadership
  3. Chair introduced the patent policy and meeting rules.
  4. No response to the call for patents.

## Agenda

* 1. Chair presented the agenda as sent on email list: <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00214.html>
  2. Agenda for this session has been adopted without objection

### Status of TGbd Comments on FCC NPRM Docket 19-138 (802.11-20/0342r1)

* 1. Presentation by Vice Chair Joseph Levy
  2. Provided history and current status of TGbd Comments on FCC NPRM Docket 19-138
  3. 802 EC e-vote finished at midnight last night. Waiting for official tally to be announced.
  4. Question about whether the EC votes are public.
  5. Answer yes (see <http://ieee802.org/secmail/mail1.html>)
  6. Question about goodput vs PHY rate and a MAC efficiency percentage.
  7. Comment that during 11n studies were made based on 11a PHY/MAC.
  8. A member shared this link in the chat box. <https://mentor.ieee.org/802.11/dcn/13/11-13-0505-00-0hew-mac-efficiecy-analysis-for-hew-sg.pptx>
  9. Member thanked Joe and Jay for all their hard work and long hours getting this drafted and approved.
  10. Question about reply comments
  11. From timing perspective, reply comments need to be drafted and approved at March plenary to go on EC agenda. Either at Friday EC plenary, or 10 day e-mail ballot it’s the same deadline for drafting. 802.18 will have to approve on Thurs March 19 at the F2F.
  12. Will be contribution driven as usual.
  13. Suggest to organize it by quoting the submission, and adding this groups reply.
  14. A suggestion to collect contributions before the F2F and have a skeleton ready.
  15. No objection to posting skeleton in 802.18 mentor.
  16. Brief discussion about the status of the F2F meeting. EC has a telecon on Thursday. Any change will be sent on the 802.11 reflector by the chair.

### Update on IEEE 1609 discussions

* 1. Verbal presentation by John Kenney
  2. Update to 802.11-19/1982r0. Presenting informal notes from recent 1609 meeting on the call today. Will make a presentation for the F2F.
  3. Discussion about whether MA-UNITDATA-STATUS.indication() and MA-UNITDATA.indication() are triggered by transmit or receive events (or vice-versa).
  4. Need to clarify which information is on transmit and receive operations.
  5. Question about whether MPDU coding needs to be explicit or is already known implicitly
  6. Questions about the measurement period for the environment measurements.
  7. Question about specifics of canceling the transmission of a packet already in the queue.
  8. Presenter will prepare a document with the questions for the group to present at the March F2F.

### Closing

* 1. Chair (Bo Sun) will not be able to attend the March F2F and the Working Group Chair (Dorothy) has appointed Vice Chair Joseph Levy to run the 802.11bd meeting.
  2. Meeting adjourned at 10:10am EST

Attendance:

* James Lepp (BlackBerry)
* Bo Sun (ZTE)
* Dongguk Lim
* Carl Kain
* Dick Roy
* Hanseul Hong
* Hiroki Motozuka (Panasonic)
* John Kenney (Toyota)
* Osama Abdul-Magd
* Joseph Levy (Interdigital)
* Peter Yee (NSA-CSD)
* Sebastien Schiessl (u-blox)
* Song An
* Rui Yang (Interdigital)
* Jay Holcomb (Itron)

# Next Meetings

Face to face:

Hilton Atlanta, Georgia, USA, March 16, 2019

<http://802world.org/plenary/>

Teleconferences:

Feb 4, 18, Mar 3, 31

Time 9-11am ET

Platform Webex

Meeting Documents:

<https://mentor.ieee.org/802.11/documents>

Task Group Email reflector:

<http://www.ieee802.org/11/email/stds-802-11-tgbd/index.html>

Website:

<http://www.ieee802.org/11/Reports/tgbd_update.htm>