IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IEEE 802.11bd Task Group Conference Call Minutes –  July - Sept 2019 | | | | |
| Date: 2019-09-06 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| James Lepp | BlackBerry | 1001 Farrar Road, Ottawa, Canada |  | jlepp@blackberry.com |
|  |  |  |  |  |
|  |  |  |  |  |

Abstract

This document includes minutes of all IEEE 802.11bd teleconferences between July and September task group meetings.

~~August 6 10 am ET~~ Cancelled

~~August 20 6pm ET~~ Cancelled

September 3 10am ET

# September 3, 2019

### Opening

* 1. Call to order 10:03am EDT
  2. Displaying email from 2019-09-02 <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00101.html>
  3. Chair displaying the list of IEEE policy links
  4. Chair asks if any members are unfamiliar with policies. No response.
  5. Chair asks if any members want to speak to the call for patents. No response.
  6. Chair shows the agenda: one presentation, timeline discussion, present liaison.
  7. Chair asks for any updates to agenda. No response
  8. Chair asks members to email the chair and secretary to record their attendance.

### Technical Presentation: [802.11-19/1076r1](https://mentor.ieee.org/802.11/dcn/19/11-19-1076-01-00bd-medium-access-with-20mhz-bw.pptx) (Liwen Chu)

* 1. Comment on how transmitter and receiver come to know which of the two 10MHz subchannels is called primary and which are secondary.
  2. Discussion about the 20 and 40 MHz on slide 3.
  3. Discussion about the definition of “symbol pattern detection” on slide 4.
  4. Question if the detection method of the 2 subchannels are different, then what is used to decide which is which.
  5. Response that the protection level is being designed to be the same on both channels.
  6. Comment that if the NAV is only calculated on one of the two then they are not the same.
  7. Response that in spite of this, the design is to be the same protection.
  8. Discussion about the hardware requirements to decode the complete L-SIG in method 2.
  9. Question for clarification about hardware requirements between the two.
  10. Comment that we had a strawpoll at the last meeting that showed the group prefers a single decoder. There was a proposal for a method very similar to Method 2 that used Energy Detect for the secondary channel.
  11. Comment that if using Energy Detection, the CCA level needs to be different, or there can be lots of false detections of energy.
  12. Discussion about how to handle the 20MHz topic at next meeting. Suggestion to discuss at TG level instead of the MAC ad-hoc. Can use the MAC ad-hoc to work out the details once the whole group agrees on some of the aspects.

### Discussion of timeline

* 1. Chair presents timeline [802.11-19/1412r0](https://mentor.ieee.org/802.11/dcn/19/11-19-1412-00-00bd-tgbd-sep-2019-meeting-agenda.ppt) slide #21
  2. Noted that the editor is not present in today’s meeting
  3. Chair strawman proposal is to move everything 2 meeting cycles ahead. TG will make a decision on this at the September meeting.
  4. Questions about skeleton contents vs SFD
  5. Members are asked to provide any questions/comments to chair offline before the September meeting.

### Incoming Liaison Statement

* 1. James Lepp presented the liaison received from ITU-T FG-VM in document [802.11-19/1391r0](https://mentor.ieee.org/802.11/dcn/19/11-19-1391-00-0000-2019-07-liaison-statement-from-itu-tfg-vm.docx)
  2. The content of the liaison is a “call for proposals” for vehicular multimedia architecture. Note the requested due date is September 4.
  3. Presenter asks members to consider this and act on this if they see fit. Presenter suggests that this task group does not need to formulate a reply.
  4. Comment that architecture is not the scope of this task group.
  5. Question about whether FG-VM use cases impact 802.11
  6. Response that they are considering satellite, cellular and local radio technologies and bringing multiple access methods into the vehicle. This includes 802.11.
  7. Comment that this TG does not need to respond and some background on this work in ISO and ITU-T

### Closing

* 1. Call for any other business. No response.
  2. Chair reminded members to record attendance and adjourned.

## Attendance:

James Lepp (BlackBerry)

* Bo Sun (ZTE)
* Takenori Sakamoto (Panasonic)
* Hiroyuki Motozuka (Panasonic)
* Insun Jang (LGE)
* Joseph Levy (Interdigital)
* George Calcev (Huawei)
* Jim Lansford (Qualcomm)
* Liwen Chu (Marvell)
* Dick Roy (self)
* Yonggang Fang
* Dongguk Lim
* Carl Kain (USDOT)
* Lisa Ward (R&S)
* Stephan Sand, German Aerospace Center (DLR)
* Jeongki Kim (LG)
* Hanseul Hong (Yonsei University)
* Ronny Kim (KNUT)
* Leif Wilhelmsson (Ericsson)
* Rui Yang (InterDigital)

# Next Meetings

Face to face:

Hannoi, JW Marriott, September 15, 2019

Teleconferences:

October 8, 6pm ET