IEEE P802.11
Wireless LANs

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| IEEE 802.11bd Task Group Conference Call Minutes – October - November 2019 |
| Date: 2019-10-29 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
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Abstract

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

~~October 8, 6pm ET~~ (cancelled)

October 29 10am ET

# September 3, 2019

### Opening

* 1. Call to order 10:05am EDT
	2. Chair Bo Sun is having intermittent audio issues. Vice Chair Joe Levy calls meeting to order
	3. Vice Chair is sharing the agenda <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00132.html>
	4. Displaying email from 2019-10-29
	5. Chair asks for any additions or changes to the agenda
	6. No response, agenda is adopted as shown.
	7. Chair has rejoined the call and takes over display
	8. Chair displaying the list of IEEE policy links
	9. Chair inquires whether secretary is in the meeting and taking minutes
	10. Secretary, James Lepp confirms this
	11. Chair asks if everyone in the call has any potentially essential patent claims to speak up now
	12. No responses
	13. Chair asks members to email the chair and secretary to record their attendance.

### Discussion of draft (Editor: Bahar Sadeghi)

* 1. Referring to email list discussion about call for volunteers for sections of the draft.
	2. *Secretary note: Email archive is here:* [*http://www.ieee802.org/11/email/stds-802-11-tgbd/*](http://www.ieee802.org/11/email/stds-802-11-tgbd/)
	3. Volunteers will be drafting text to present at the November meeting
	4. Group may approve these submissions to instruct the editor to then assemble them into a first draft for the group.
	5. If members want to volunteer, please send Bahar an email.

### Presentation for ITU-T CITS: 802.11-19/1781r0 (Bo Sun)

* 1. Chair is showing summary of TGbd that he submitted to ITU-T CITS committee. This is a committee that meets semi-annually to coordinate status updates of various ITS-related standards activity around the world.
	2. Chair goes through the presentation
	3. Comment that LDCP should be LDPC
	4. Comment: A link to the ITU-T CITS presentations will be provided (<https://www.itu.int/en/ITU-T/extcoop/cits/Pages/default.aspx>)
	5. No further comments

### Technical Presentation 802.11-19/1805r0 (Michael Fischer)

* 1. Comment on reporting of Channel Busy Percentage being in SAE J2945/1 as opposed to IEEE 1609 documents.
	2. Response thanks for the clarification. Will post a rev1 with that change. In general these are seen as upper layer to 802.11bd’s perspective.
	3. Comment on the term “vehicular protocols”
	4. Comment that “WAVE” is specific to North American standards, not applicable worldwide
	5. One member suggests the term “rapidly varying RF environments”
	6. Questions and discussion about specifics of Capability Percentage and Station Count on slide 11.
	7. Discussion on the details about whether these two are calculated based on filtering on unique MAC addresses or not.
	8. Question about whether these standards changes require a change in silicon
	9. Response: short answer no. The MAC SAP interface has loose sense of time, strong sense of ordering. Many aspects between the MAC SAP interface and the transmission of the PPDU on the air are up to implementation design.
	10. Discussion about when and how to do the “MLME-CancelTX” operation. (Cancel TX defined in 5.3.2 of 1609.4)
	11. Question from presenter to the group on what are the next steps/process for this proposal
	12. Comment from 802.11bd to 1609 liaison person recalling the past discussion between 1609 and 802.11bd on this interaction. Comment that this message seems inline with the 1609 discussions at recent meetings.
	13. Question about whether any of the features are applicable to 802.11p devices and not just NGV devices. Response is just the ChannelBusyPercentage, the rest are specific to NGV capable devices.
	14. Comment on a submission in 11md on the MAC address changing interface this coming November.
	15. Discussion of how existing 802.11p implementations compute channel busy ratio since the standard is missing details.
	16. Discussion of some history and slight differences in how ChannelBusyPercentage is calculated across different regulatory domains. Comment that if there isn’t a uniform way, which would be ideal, the MIB could be used to select multiple mechanisms. Further comment from ETSI experts is needed.
	17. Discussion about when the TG will be ready to agree text for the SFD and for the draft.
	18. Presenter will begin to work on some text.

### Closing

* 1. Discussion about joint IEEE 802.11bd TG - IEEE 1609 WG meeting and what is the timeline for arranging this.
		1. Comment: 802.11 meets November 11-15. 1609 meets the week after. Would be good to decide on a joint meeting at those meetings.
		2. Comment: 802.11 is in California in January, Atlanta in March, and Poland in May
		3. Comment that it is worth trying to have the 1609 joint meeting in California. After California, joint teleconference or meetings outside 802.11 meetings are options.
		4. Comment on planning for something in Poland in May to interact with European stakeholders.
	2. Call for any other business. No response.
	3. Chair adjourned at 11:57am EDT.

## Attendance:

James Lepp (BlackBerry)

* Bo Sun (ZTE)
* Joseph Levy (Interdigital)
* Michael Fischer (NXP)
* Dongguk Lim (LG)
* Hiroyuki Motozuka (Panasonic)
* Dick Roy (self)
* Paul Unterhuber (DLR)
* Hanseul Hong (Yonsei Univ.)
* Yonggang Fang
* John Kenney (Toyota)
* Insun Jang
* Carl Kain (Noblis/USDOT)
* Aaron Moore (Omniair Consortium)
* Jasja Tijink
* George Calcev
* Justin McNew
* Yujin Noh
* Michael Montemurro (BlackBerry)
* Ronny Yongho Kim

# Next Meetings

Face to face:

Hilton Waikoloa, Hawaii, USA, Nov 11, 2019

Teleconferences:

October 8, 6pm ET

October 29, 10am ET

 Email Archive:

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

 Task Group Status:

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