IEEE P802.11
Wireless LANs

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| IEEE 802.11bd Task Group Teleconference Minutes – June - July 2019 |
| Date: 2019-07-10 |
| Author(s): |
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Abstract

Minutes for the IEEE 802.11bd task group teleconference on June 25.

Versions:

R0 posted after June 25 teleconference.

R1 posted after July 2 teleconference was cancelled.

R2 posted based on emailed feedback: updated attendance list.

**Minutes**

**June 25, 10:00am EDT**

1. Chair convened the meeting at 10:00am.
2. Discussion of the agenda
	1. Agenda displayed is the following email: <http://www.ieee802.org/11/email/stds-802-11-tgbd/msg00082.html>.
	2. Chair informed the callers of the IEEE policies listed in that message and asked if anyone had questions on the policies.
		1. No response to the call.
	3. New document number for Michael Fischer presentation is 1031r0. Agenda is updated.
	4. No objection to proceeding with the updated agenda
3. John Kenney verbal presentation (IEEE 802.11 / IEEE 1609 liaison)
	1. Recap of IEEE 1609 WG meeting last week
	2. Recommendation from 1609 is that the service interface be defined in 802.11 as opposed to 1609. The 1609 WG is writing a liaison about this topic and it should be sent to 802.11bd before Vienna meeting.
	3. Several other attendees of 1609 WG last week concurred with John’s recap.
4. Presentation 802.11-19/1031r0 (Michael Fisher)
	1. Discussion
	2. Comment on list of parameters
	3. Comment on cancel transmission. Function needed is that the upper layer can flush the queue, not necessarily that the upper layer needs to cancel a single packet when there are many in the lower layer send queue. Could cancel per User Priority, or per Access Category index. Can discuss these details in the future.
	4. Comment that this seems reasonable based on how EDCA queues are designed. Cancel operation can be per queue. Align design with the existing EDCA queue design.
	5. Comment about grouping radio parameters in the Request Vector to a subset that makes it easier for both upper layer users of the WAVE stack as well as lower layer PHY implementers.
	6. Comment that this is a useful concept and we can work it out as we understand the various parameters in the vectors.
	7. Comment to discuss MAC address changing command in 802.11 Architecture (ARC) SC as it may be related to 802.11 in general and not specific to dot11OCBActivated being true.
	8. Comment on request vector mixing environment data and transmission parameters
	9. Presenter states he has split the paramaters to request vector and status vector in this 802.11-19/1031 from what was in previous presentations 802.11-19/0276. There may be additional MAC parameters that could be added if they are useful to the upper layer.
	10. Question do you want the upper layer to select the MCS/datarate or the MAC to decide the MCS/datarate
	11. Comment today that is how its done in OCB. MCS/datarate is set by the upper layer when transmitting a frame. This proposal includes a value that the upper layer can indicate to the MAC what parameters it wants the MAC to choose itself.
	12. Further discussion about higher layer controlling the MCS.
	13. Comment that MAC controls the MCS in event of a failure. But in OCB when frames are sent broadcast, there is no feedback/ack, so there is no failure event to cause this.
	14. Comment to consider both broadcast and unicast.
	15. Comment that this design includes a value to permit the MAC to select the values.
	16. Editorial comment about naming of Radio Environment Request and suggestion to change to Radio Configuration Request.
	17. Comment that vector should be more named to be more symmetric. Both configuring down and informing up – the same set of parameters.
	18. Comment that its not symmetric, transmitter and receiver have different needs.
	19. Discussion about usefulness of MCS information and other data to the receiver.
	20. Comment to separate discussion of what needs to be transmitted in the MAC header, and what needs to be put in the MAC SAP vector(s).
	21. Question about the PHY SAP vs the MAC SAP.
5. Chair asks if there is any other business.
6. Chair recessed at 9:29pm

Attendance:

(Note: Experts from IEEE 1609 WG were invited to this 802.11bd teleconference)

James Lepp (BlackBerry)

Dongguk Lim

Yonggang Fang

Takenori Sakamoto

Jasja Tijink (Kapsch)

Hiroyuki Motozuka (Panasonic)

Tom Kurihra (TKstds)

Bo Sun (ZTE)

Michael Fischer (NXP)

Kevin Smith

Hansuel Hong (Yonsei University)

Joseph Levy (Interdigital)

Ira McDonald

Justin McNew

Michael Montemurro (BlackBerry)

Yongsu Gwak (KNUT)

Steve Sill (US DOT)

Randy Roebuck (Omniair)

Dick Roy

Sang Kim

Liwen Chu

Stephan Sand, German Aerospace Center (DLR)

Ronny Yongho Kim

Malik Khan

Jim Lansford (Qualcomm)

John Kenney (Toyota ITC)

**Next Meetings of IEEE 802.11bd Task Group:**

Teleconferences:

~~June 4 6pm ET~~ (cancelled)

~~June 18 10 am ET~~ (cancelled)

June 25 10am ET

~~July 2 6pm ET~~ (cancelled)

August 6 10am ET

Face to face:

Austria Center Vienna, July 15, 2019

**Notes:**

Document numbers referenced (e.g. 802.11-19/0000r0) are available on IEEE Mentor: <https://mentor.ieee.org/802.11/documents>

IEEE 802.11bd Task Group email archives: <http://www.ieee802.org/11/email/stds-802-11-tgbd/index.html>