IEEE P802.11  
Wireless LANs

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| TGbd Sep 2020 Teleconference minutes | | | | |
| Date: 2020-09-25 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
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Abstract

This document includes minutes of all IEEE 802.11bd teleconferences between the 802.11 September Interim meeting and the 802.11 November Plenary meeting.

Version Tracking:

R0: uploaded after 25 Sept teleconference, note 29 Sept teleconference was cancelled. Note title changed as Yan Zhang is providing minutes going forward.

# Friday 25 September 2020

## Administration:

Chair: Bo Sun (ZTE)

Vice Chair: Hongyuan Zhang (NXP)

Vice Chair: Joseph Levy (InterDigital)

Technical Editor: Bahar Sadeghi (Intel)

Acting Secretary: Joseph Levy (InterDigital)

## Opening ([11-20/1352r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1352-09-00bd-tgbd-teleconference-agenda-for-sep-2020.pptx))

### Call to order 10:03 AM EDT

### Chair instructed members on how to use webex and to record attendance in IMAT.

### Chair introduced the patent policy and meeting rules.

### No response to the call for patents.

### Chair reviewed the Teleconference plan:

* + 1. Sep 25th, 10:00am ~ 11:59 am, ET; Webex;
    2. Sep 29th, 10:00am ~ 11:59 am, ET; Webex;
    3. Oct 20th, 10:00am ~ 11:59 am, ET; Webex;
    4. Nov 3rd, 10:00am ~ 11:59 am, ET; Webex

### Chair reviewed the Current TGbd Timeline

* + 1. PAR approved Dec 2018
    2. First TG meeting Jan 2019
    3. D0.1 Nov 2019
    4. D1.0 Letter Ballot Sep 2020
    5. D2.0 LB recirculation Jan 2021
    6. Form Sponsor Ballot Pool Mar 2021
    7. D3.0 LB recirculation Mar 2021
    8. D3.0 unchanged recirculation May 2021
    9. Initial Sponsor Ballot (D4.0) Jul 2021
    10. Final 802.11 WG approval May 2022
    11. 802 EC approval May 2022
    12. RevCom and SASB approval Jun 2022

### Chair introduced the task group leadership

## Agenda ([11-20/1352r9](https://mentor.ieee.org/802.11/dcn/20/11-20-1352-09-00bd-tgbd-teleconference-agenda-for-sep-2020.pptx))

### Chair presented the agenda (slide 62, copied below for convenience):

Call meeting to order and remind the group to record attendance on imat.ieee.org

IEEE-SA IPR policies and meeting rules

Approval of agenda

Presentations and discussion (call for submissions)

11-20/1302, ngv-60ghz-beamforming, Hiroyuki Motozuka (Panasonic)

11-20/1303, ngv-60ghz-beamforming-text, Hiroyuki Motozuka (Panasonic)

Next teleconference on Sep 29th

Adjourn

### Agenda approved without modification or objection.

## Technical Contribution ([11-20/1302r2](https://mentor.ieee.org/802.11/dcn/20/11-20-1302-02-00bd-ngv-60ghz-beamforming.pptx))

### Brief review of the document 11-20/1302, ngv-60ghz-beamforming by Hiroyuki Motozuka (Panasonic)

### Straw Poll (slide 11, copied below for convenience):

* + - Do you support to add the following text to Section 4 of SFD [1]?
* 11bd defines a procedure for continuous discovery of other DMG STAs with dot11OCBActivated equals to true, based on beacon transmission procedure before establishment of a BSS (802.11-2016, subclause 11.1.3.4)
* 11bd extends the MLME service interface so higher layers can request to start the continuous discovery procedure.
* 11bd enables DMG STAs with dot11OCBActivated equals to true to perform data transmission shortly after discovery.
  + - Y /N /A

### Discussion of the SP

* + 1. Q - Does all .11bd STAs need to support continuous discovery? Or should this be only for STAs that support 60 GHz.
    2. A – this is for STAs that support 60 GHz
    3. Q - Maybe OCB STA does not intent to associate with a BSS. Is it your intent a DMG STA to support the setup of a BSS?
    4. A – The DMG STA should support .11ad type discovery. It is not the intent of this text to propose a new type of NGV STA, it is a propose to extend the .11ad features of DMG to NGV. It is not proposed to have a NGV STA perform association.
    5. C- The DMG STA have separate technology for supporting OCB. It is only operating OCB. Association is not used.
    6. A – The proposal is for a DMG STA capability operating OCB, supporting beam forming -Edits were made to the SP to clarify this, see below.
    7. C – The STA does not establish a BSS, the text should change to “without establishment of a BSS), or do you mean that an OCB STA is forming a BSS. Also, we are not defining the higher layer in 802.11.
    8. C – Additional wording changes were suggested for clarity, see below.

### Straw Poll: Do you support to add the following text to Section 4 of SFD [1]:

* 11bd defines a procedure for continuous discovery of other STAs operating in 60 GHz with dot11OCBActivated equals to true. The procedure should be based on existing procedure defined in subclause 11.1.3.4 of 802.11-2016 (beacon transmission procedure before establishment of a BSS)
* 11bd extends the MLME service interface so higher layers can request to start the continuous discovery procedure.
* 11bd defines mechanism to enable STAs operating in 60 GHz with dot11OCBActivated equals to true to perform data transmission shortly after discovery.
  + 1. Straw Poll Results: Yes: 11 No:0 Abs:7 DNV:2

## Technical Contribution ([11-20/1303r1](https://mentor.ieee.org/802.11/dcn/20/11-20-1303-01-00bd-ngv-60ghz-beamforming-text.docx))

### 11-20/1303, ngv-60ghz-beamforming-textPresented by Hiroyuki Motozuka (Panasonic), provides suggested text proposal to define a procedure for continuous discover of other NGV STAs operating in 60 GHz with dot11OCBActivated equals to true.

### Discussion:

* + 1. The Chair reminded the group that D1.0 is ready and about to go out on WG Letter Ballot. The Chair suggested that the author provide comments to the LB and provide this document as the resolution.
    2. The Chair called for review of the document and additional comments.
    3. No additional comments were made.
    4. Hiroyuki declined to run the SP in 11-20-1303, prior to additional discussion.

## Closing

### The Chair called for any other business. – There was no response

### The Chair reminded that the next TGbd teleconference is scheduled for Tuesday 29 September 2020 @ 10:00-12:00 h ET

### The agenda is complete for this meeting session.

### Meeting is adjourned at 11:20 h EDT

**Attendance from IMAT**

|  |  |
| --- | --- |
| **Name** | **Affiliation** |
| An, Song-Haur | INDEPENDENT |
| Cao, Rui | NXP Semiconductors |
| Edelmayer, Andras | Commsignia |
| Hong, Hanseul | WILUS Inc. |
| Kain, Carl | USDoT |
| Kenney, John | TOYOTA InfoTechnology Center U.S.A. |
| Kim, Youn-Kwan | The Catholic University of Korea |
| Levy, Joseph | InterDigital, Inc. |
| Lim, Dong Guk | LG ELECTRONICS |
| Moon, Juseong\* | KNUT\* |
| Motozuka, Hiroyuki | Panasonic Corporation |
| noh, yujin | Newracom Inc. |
| Rosdahl, Jon\* | Qualcomm\* |
| Sakamoto, Takenori | Panasonic Corporation |
| Sand, Stephan | German Aerospace Center (DLR) |
| Schiessl, Sebastian | u-blox |
| Shimizu, Takayuki\* | Toyota\* |
| Singh, Gurdev | SAMSUNG ELECTRONICS |
| Smely, Di Dieter | Kapsch TrafficCom AG |
| Sun, Bo | ZTE Corporation |
| Yee, Peter | NSA-CSD |

\*Did not register attendance in IMAT, listed as present in Webex.

# Tuesday 29 September 2020

Teleconference canceled, due to lack of contributions.

**References:**

[1] [11-19/0497](https://mentor.ieee.org/802.11/dcn/19/11-19-0497-00bd-802-11bd-specification-framework-document.docx) “ 802.11bd Specification Framework Document”, Bahar Sadeghi (Intel)