IEEE P802.11  
Wireless LANs

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| IEEE 802.11bd November Plenary 2021 Teleconference minutes | | | | |
| Date: 2021-11-09 | | | | |
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Abstract

This document includes minutes of all IEEE 802.11bd November Plenary week meetings.

Version Tracking:

R0: November 9th- 12th teleconference meetings minutes

# Tuesday 9 November 2021 @ 9:00-11:00 am ET

## Opening (IEEE 802.11-21/1623r1)

* 1. Call to order 9:00 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-8).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 9-11)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 12-14)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 15-17)
  8. Chair introduced the task group leadership (slide 25)

## Agenda (IEEE 802. 11-21/1623r1)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1623-01-00bd-tgbd-teleconference-agenda-for-nov-2021. (slide 27)
     + 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 (slide 27)
     + Approval of TG minutes
     + Tech Editor report (11-19/2045r14)
     + Presentations and discussion
       - 11-21/1482r1, D2.0 CR clause 6 and 11 related to DMG and MLME, Hiroyuki Motozuka (Panasonic)
       - 11-21/1796r0, LB254 Comment Resolution for 11bd D2.0 Clause 32.3, Miguel Lopez (Ericsson)
       - 11-21/1790r0, LB254 Comment Resolution for 11bd D2.0 Clause 31.4 and 32, Stephan Sand (DLR)
       - 11-21/1800r1, LB254 Comment Resolution for 11bd D2.0 Clause 4, Stephan Sand (DLR)
     + Any other business
     + Recess
  2. Agenda was approved without objection

## Approval of TGbd meeting minutes

* 1. Move to approve the following minutes for TGbd teleconferences during IEEE 802.11 September Interim week and following teleconferences:
     + <https://mentor.ieee.org/802.11/dcn/21/11-21-1544-00-00bd-tgbd-september-interim-2021-teleconference-minutes.docx>
     + <https://mentor.ieee.org/802.11/dcn/21/11-21-1769-00-00bd-ieee-802-11bd-october-2021-tc-meeting-minutesminutes.docx>

Moved: Yan Zhang Seconded: Joseph Levy

Approved unanimously

## Tech Editor report (11-19/2045r14)

* 1. Total 283 comments, 175 comments approved, 78 comments ready for motion, and 30 comments are assigned.

## 11-21/1482r1, D2.0 CR clause 6 and 11 related to DMG and MLME, Hiroyuki Motozuka (Panasonic)

* 1. CID 2072, 2144, 2226, 2255: No discussion: A comment was made that some explanations in the discussion part should be added in the proposed resolution column for database.
  2. CID 2074: A comment was made that “each peer STAs” should be “a peer STA” in the resolution texts for clause 10.3.6.
  3. CID 2075, 2066: A comment was made that rejection reasons are needed in the resolution, and the text in the discussion part can be used as rejection reasons.

## 11-21/1796r0, LB254 Comment Resolution for 11bd D2.0 Clause 32.3, Miguel Lopez (Ericsson)

* 1. CID 2016, 2018, 2019, 2105, 2106, 2107: No discussions.
  2. CID 2017, 2194: A comment was made that the missing part is already added in the draft D2.1. No more change is needed.

## 11-21/1790r0, LB254 Comment Resolution for 11bd D2.0 Clause 31.4 and 32, Stephan Sand (DLR)

* 1. CID 2281: No discussions.
  2. CID 2166: A comment was made there is another CID related to this CID. The presenter answered that the resolution to this CID is compatible to the resolution of the other CID. It is agreed to solve this CID after the other CID is presented and solved. A question was asked whether NGV5 should be NGV5.1 in B.4.38.1 NGV PHY features. The presenter answered that there are other places using similar labelling. A question was asked whether NGV ranging is mandatory. The presenter answered that it means that if NGV ranging NDP is supported, then NTB ranging is mandatory.

## 11-21/1800r1, LB254 Comment Resolution for 11bd D2.0 Clause 4, Stephan Sand (DLR)

* 1. CID 2238: No discussion.

## Closing

* 1. Chair adjourned the teleconference at 11am ET.
  2. Next TC will be on Nov 10th

# Wednesday 10 November 2021 @ 11:15 am -13:15 pm ET

## Opening (IEEE 802.11-21/1623r3)

* 1. Call to order 11:15 am ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-8).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 9-11)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 12-14)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 15-17)
  8. Chair introduced the task group leadership (slide 29)

## Agenda (IEEE 802. 11-21/1623r3)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1623-03-00bd-tgbd-teleconference-agenda-for-nov-2021. (slide 31)
     + 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 (slide 31)
     + SPs for presented CRs
       - 11-21/1482r3, D2.0 CR clause 6 and 11 related to DMG and MLME, Hiroyuki Motozuka (Panasonic)
       - 11-21/1796r1, LB254 Comment Resolution for 11bd D2.0 Clause 32.3, Miguel Lopez (Ericsson)
       - 11-21/1790r1, LB254 Comment Resolution for 11bd D2.0 Clause 31.4 and 32, Stephan Sand (DLR)
     + Presentations and discussion
       - 11-21/1800r1, LB254 Comment Resolution for 11bd D2.0 Clause 4, Stephan Sand (DLR)
       - 11-21/1434r2, Some clause B4 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1435r2, Some clause 31.2 and clause 31.2.1 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1826r0, Resolutions for CIDs 2126 and 2218 of LB-254, Joseph Levy (InterDigital)
     + MDR review
     + Any other business?
     + Recess
  2. Agenda was approved without objection

## SP for 11-21/1482r3, D2.0 CR clause 6 and 11 related to DMG and MLME, Hiroyuki Motozuka (Panasonic)

* 1. Do you agree on the comment resolution to following 7 CIDs and proposed modification to IEEE P802.11 D2.0 as in 11-21/1482r3?
     + CID 2072, 2255, 2144, 2226, 2074, 2075 and 2066
     + Y/N/A: No objections

## SP for 11-21/1796r1, LB254 Comment Resolution for 11bd D2.0 Clause 32.3, Miguel Lopez (Ericsson)

* 1. Do you agree on the comment resolution to following 8 CIDs and proposed modification to IEEE P802.11 D2.1 as in 11-21/1796r1?
     + CID 2016, 2017, 2018, 2019, 2105, 2106, 2107 and 2194.
     + Y/N/A: No objections

## SP for 11-21/1790r1, LB254 Comment Resolution for 11bd D2.0 Clause 31.4 and 32, Stephan Sand (DLR)

* 1. Do you agree on the comment resolution to following 1 CID and proposed modification to IEEE P802.11 D2.1 as in 11-21/1790r1?
     + CID 2281
     + Y/N/A: No objections

## 11-21/1800r1, LB254 Comment Resolution for 11bd D2.0 Clause 4, Stephan Sand (DLR)

* 1. CID 2053, 2259, 2078, 2051, 2230, 2128, 2223: No discussion.
  2. CID 2240: A question was asked whether it is true that support for Primary 10MHz and Secondary 10MHz channel is conditional mandatory only if 20MHz channel access is supported. The presenter confirmed it is true. The commentor asked to have more clear text to show this support is conditional mandatory.

## SP for 11-21/1800r2, LB254 Comment Resolution for 11bd D2.0 Clause 4, Stephan Sand (DLR)

* 1. Do you agree on the comment resolution to following 9 CIDs and proposed modification to IEEE P802.11bdD2.1 as in 11-21/1800r2?
     + CID 2052, 2053, 2259, 2078, 2051, 2230, 2128, 2223 and 2240
     + Y/N/A: No objections

## MDR review, Tech Editor

* 1. As of today, 103 comment resolutions are ready to motion on Friday, and only 5 comments are left.
  2. TGbd D3.0 will be used for MDR review based on decision made on Monday. Editor described review process to the group. Based on our timeline, there is a hurry for review process since there is only 2 months before D3.0 LB recirculation.

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 12:28 pm ET.
  3. Next TC will be on Nov 11th

# Thursday 11 November 2021 @ 7 - 9 pm ET

## Opening (IEEE 802.11-21/1623r4)

* 1. Call to order 7 pm ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-8).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 9-11)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 12-14)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 15-17)
  8. Chair introduced the task group leadership (slide 36)

## Agenda (IEEE 802. 11-21/1623r4)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1623-04-00bd-tgbd-teleconference-agenda-for-nov-2021. (slide 38)
     + 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 (slide 38)
     + Presentations and discussion
       - 11-21/1434r2, Some clause B4 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1435r2, Some clause 31.2 and clause 31.2.1 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1826r0, Resolutions for CIDs 2126 and 2218 of LB-254, Joseph Levy (InterDigital)
     + SPs for presented CRs
       - 11-21/1434r3, Some clause B4 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1435r3, Some clause 31.2 and clause 31.2.1 Comment Resolution for LB-254, Joseph Levy (InterDigital)
       - 11-21/1826r1, Resolutions for CIDs 2126 and 2218 of LB-254, Joseph Levy (InterDigital)
     + Any other business?
     + Recess
  2. Agenda was approved without objection

## 11-21/1435r2, Some clause 31.2 and clause 31.2.1 Comment Resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2061: A question was asked what “co-located” mean since baseline 802.11 Rev spec does not have the terminology “co-located STA”. The presenter answered that “co-located” is only defined in TGbd document. Here it means that the DMG STA also supports NGV features. The commentor said that he prefers text in option 1 as resolution for the CID since “co-located” is sensitive in some scenarios. The presenter accepted the suggestion.

## 11-21/1434r2, Some clause B4 Comment Resolution for LB-254, Joseph Levy (InterDigital)

* 1. CID 2204: A comment was made that there is a typo for “LDPC” after NGVP4.2 in the table. A question was ask about the reference for MLME in table B.4.38.3. The commentor suggested to use clause 11 as reference. The presenter answered that there is no text in clause 11 related to this feature, hence 6.3.126, 6.3.127 and 6.3.128 are used for reference. A comment was made that 6.3.127 should be removed from reference since it is related to DMG STA. The presenter added CFNGV60 and use 6.3.127 as reference.

## 11-21/1826r0, Resolutions for CIDs 2126 and 2218 of LB-254, Joseph Levy (InterDigital)

* 1. CID 2126, 2218: A comment was made that CID 2218 should be replaced with CID 2126 in the Note to Editor in the proposed resolution text for CID 2218. A comment was made that parenthesis are not balanced in the proposed resolution text.

## SP for 11-21/1435r3, Some clause 31.2 and clause 31.2.1 Comment Resolution for LB-254, Joseph Levy (InterDigital)

* 1. Do you agree on the comment resolution to following 1 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1435r3?
     + CID 2061
     + Y/N/A: No objections

## SP for 11-21/1434r3, Some clause B4 Comment Resolution for LB-254, Joseph Levy (InterDigital)

* 1. Do you agree on the comment resolution to following 1 CID and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1434r3?
     + CID 2204
     + Y/N/A: No objections

## SP for 11-21/1826r1, Resolutions for CIDs 2126 and 2218 of LB-254, Joseph Levy (InterDigital)

* 1. Do you agree on the comment resolution to following 2 CIDs and proposed modification to IEEE P802.11bd D2.0 as in 11-21/1826r1?
     + CID 2126 and 2218
     + Y/N/A: No objections

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 8:07 pm ET.
  3. Next TC will be on Nov 12th

# Friday 12 November 2021 @ 9 - 11 am ET

## Opening (IEEE 802.11-21/1623r4)

* 1. Call to order 7 pm ET
  2. Chair instructed members to record attendance in IMAT.
  3. Chair introduced the patent policy and meeting rules (slides 2-8).
  4. No response to the call for patents.
  5. Chair introduced IEEE-SA COPYRIGHT POLICY (slides 9-11)
  6. Chair reviewed other Guidelines for IEEE WG Meetings (slides 12-14)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 15-17)
  8. Chair introduced the task group leadership (slide 42)

## Agenda (IEEE 802. 11-21/1623r4)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/21/11-21-1623-04-00bd-tgbd-teleconference-agenda-for-nov-2021. (slide 44)
     + 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 (slide 44)
     + Presentations and discussion
       - Update of resolution to CID 2055 and 2080, Tech Editor
       - 11-21/1790r2, lb 254 comment resolution for 11bd D2.0 clause 31.4 and 32, Stephan Sand (DLR) (CID 2166)
     + CR motions
     + Approve the generation of D3.0 and re-circulation ballot
     + Revisit Timeline
     + Future teleconference plan
     + Any other business?
     + Adjourn
  2. Agenda was approved without objection

## Update of resolution to CID 2055 and 2088, Tech Editor

* 1. Comment resolutions to 2080 and those to CDI 2055, 2078 and 2223 have conflicts. Editor made changes to be consistent.

## 11-21/1790r2, lb 254 comment resolution for 11bd D2.0 clause 31.4 and 32, Stephan Sand (DLR) (CID 2166)

* 1. CID 2166: No discussions.

## Motion #1 (approval of Comment Resolutions)

* 1. Move to approve the comment resolutions to 108 CIDs which are marked as “ready for motion” as in 11-21/1296r6.
     + Moved: Yujin Noh Seconded: Stephan Sand (DLR)
     + Results: Approved unanimously

## Motion #2 (Generation of D3.0 and recirculation)

* 1. Having approved comment resolutions for all of the comments received from LB 254 on P802.11bd D2.0 as contained in document <https://mentor.ieee.org/802.11/dcn/20/11-21-1296-06-00bd-tgbd-lb251-comments.xlsx>, instruct the TGbd editor to create P802.11bd D3.0 and approve a motion request to WG11 for approval of a 15-day Working Group Recirculation Ballot asking the question “Should P802.11bd D3.0 be forwarded to SA Ballot?”
     + Moved: Joseph Levy Seconded: John Kenney
     + Result: 16Y/0N/3A

## Revisit Timeline

* 1. D4.0 LB recirculation are added in July 2022 since TGbd builds on TGaz and TGbd progress depends the stability of 11az. 11az just passed its initial SA Ballot. For now, TGbd Initial SA Ballot (D4.0) is delay to July 2022. Final 802.11 WG approval is delayed to Jan 2023. 802EC approval is delayed to Feb 2023, and RevCom and SASB approval is delayed to May 2023.

## Future teleconference plan

* 1. Dec 17th, Dec 21st, Jan 4th and Jan 11th are added

## Closing

* 1. Any other business
     + None
  2. Chair adjourned the teleconference at 10:20 am ET.
  3. Next TC will be on Dec 17th