IEEE P802.11  
Wireless LANs

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| IEEE 802.11bd May Interim 2022 TC meeting minutes | | | | |
| Date: 2022-5-10 | | | | |
| Author(s): | | | | |
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Abstract

This document includes minutes of IEEE 802.11bd May Interim 2022 teleconference meetings.

Version Tracking:

R0: May 10th – 13th teleconference meetings minutes.

# Tuesday 10 May 2022 @ 9:00-11:00 am ET

## Opening (IEEE 802.11-22/0615r2)

* 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 9-10)
  6. Chair reviewed other Guidelines and new Motion rules for IEEE WG Meetings, and Registration requirements for May Interim Meetings (slides 11-15)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 16-19)
  8. Chair introduced the task group leadership (slide 20)

## Agenda (IEEE 802. 11-22/0615r2)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/22/11-22-0615-02-00bd-tgbd-session-agenda-for-may-interim-2022.pptx. (slide 21)
     + 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 21)
     + Approval of TGbd minutes
     + 1st SA Ballot result update
     + Approval of 11bd PAR extension
     + CRC comment assignment
     + Any other business
     + Recess
  2. Agenda was approved without objection

## Approval of TGbd minutes

* 1. Move to approve the following minutes for TGbd sessions during IEEE 802.11 Mar plenary week and following TGbd teleconferences:
     + <https://mentor.ieee.org/802.11/dcn/22/11-22-0500-00-00bd-ieee-802-11bd-march-2022-plenary-meeting-minutes.docx>
     + <https://mentor.ieee.org/802.11/dcn/22/11-22-0635-00-00bd-ieee-802-11bd-april-2022-tc-meeting-minutes.docx>

Moved: Yan Zhang

Seconded: Stephan Sand

Motion passed with unanimous consent

## 1st SA Ballot result update

* 1. The 1st SA Ballot on IEEE P802.11bd D4.0 was closed on May 10th.

Ballot Group Members: 139

Return Ballots: 79% (110)

Results: Passed with 92% approval rate

Collected comments: 106

Comment database: 11-22/0730

https://mentor.ieee.org/802.11/dcn/22/11-22-0730-00-00bd-p802-11bd-initial-sa-ballot-comments.xlsx

## Approval of 11bd PAR Extension

* 1. Approve to request a 802.11WG motion to approve the 11bd PAR extension as in 11-22/0703r0. **https://**[**mentor.ieee.org/802.11/dcn/22/11-22-0703-00-00bd-p802-11bd-par-extension.pdf**](https://mentor.ieee.org/802.11/dcn/22/11-22-0703-00-00bd-p802-11bd-par-extension.pdf)

Moved: Joseph Levy

Seconded: Stephan Sand

Results: 12Y/0N/1A

## CRC comment assignment

* 1. There are total 104 comments from SA ballot, 52 comments are editorial, 2 comments are general, and 50 comments are technical.
  2. Editor assigned 104 comments to members.

## Closing

* 1. Chair adjourned the teleconference at 9:55am ET.
  2. Next TC will be on May 12th

# Thursday 12 May 2022 @ 19:00-21:00 pm ET

## Opening (IEEE 802.11-22/0615r3)

* 1. Call to order 19:00 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 9-10)
  6. Chair reviewed other Guidelines and new Motion rules for IEEE WG Meetings, and Registration requirements for May Interim Meetings (slides 11-15)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 16-19)
  8. Chair introduced the task group leadership (slide 25)

## Agenda (IEEE 802. 11-22/0615r3)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/22/11-22-0615-03-00bd-tgbd-session-agenda-for-may-interim-2022.pptx. (slide 26)
     + 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 26)
     + CRC comment resolution discussion
       - 11-22/0743r1, Resolutions to Editorial Comments Part 1, Yujing Noh (Senscomm)
       - 11-22/0744r0, Resolutions to Editorial Comments Part 2, Yujing Noh (Senscomm
       - 11-22/0745r1, Resolutions to Editorial Comments Part 3, Yujing Noh (Senscomm
     + Any other business
     + Recess
  2. Agenda was approved without objection

## 11-22/0743r1, Resolutions to Editorial Comments Part 1, Yujing Noh (Senscomm)

* 1. CID 5002, 5096, 5010, 5012, 5042, 5011, 5104, 5097, 5094: No discussions.

## 11-22/0744r0, Resolutions to Editorial Comments Part 2, Yujing Noh (Senscomm)

* 1. CID 5095, 5016, 5009, 5015, 5036, 5037,5021, 5022, 5023: No discussions.
  2. CID 5024: A comment was made that it makes sense to add layer in PHY management entity (PLME) instead of using the same one from other amendments. The presenter accepted the suggested change.
  3. CID 5018, 5073, 5075, 5077, 5078: No discussions

## 11-22/0745r0, Resolutions to Editorial Comments Part 3, Yujing Noh (Senscomm)

* 1. CID 5051, 5026, 5017, 5014, 5013, 5034, 5063, 5061, 5059: No discussions.

## Closing

* 1. Chair adjourned the teleconference at 19:57pm ET.
  2. Next TC will be on May 13th

# Friday 13 May 2022 @ 9:00-11:00 am ET

## Opening (IEEE 802.11-22/0615r4)

* 1. Call to order 19:00 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 9-10)
  6. Chair reviewed other Guidelines and new Motion rules for IEEE WG Meetings, and Registration requirements for May Interim Meetings (slides 11-15)
  7. Chair reviewed current Teleconference plan, TGbd Documents Update, and current TGbd Timeline (slides 16-19)
  8. Chair introduced the task group leadership (slide 27)

## Agenda (IEEE 802. 11-22/0615r4)

* 1. Chair presented the agenda: https://mentor.ieee.org/802.11/dcn/22/11-22-0615-04-00bd-tgbd-session-agenda-for-may-interim-2022.pptx. (slide 28)
     + 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 28)
     + TGbd Leadership Re-affirmation
     + Liaise 802.11bd D4.0 to ISO/IEC JTC1 SC6 under PSDO
     + CRC comment resolution discussion
       - 11-22/0747r1, SA Ballot CR 11bd D4.0 NGV Ranging, Stephan Sand (German Aerospace Center (DLR))
       - 11-22/0768r0, Initial SA Ballot proposed resolution for CIDs 5091\_5092, Joseph Levy (InterDigital)
       - 11-22/0769r0, Initial SA Ballot proposed resolution for CIDs 5084, 5088, 5093, Joseph Levy (InterDigital)
       - 11-22/0764r1, TGbd D4.0 CR related to DMG STA communicating OCB, Hiroyuki Motozuki (Panasonic)
     + Revisit Timeline
     + Future teleconference plan and CRC rules
     + CRC comment resolution motion to approve CRs
     + Adjourn
  2. Agenda was approved without objection

## TGbd Leadership Re-affirmation

* 1. Move to approve the re-affirmation of TGbd Vice Chairs and Secretary as below:

Vice Chairs: Hongyuan Zhang (NXP), Joseph Levy (InterDigital)

Secretary: Yan Zhang (NXP)

Moved: Rich Kennedy Seconded: Liwen Chu

Results: 12Y/1N/0A

## Liaise IEEE P802.11bd D4.0 to ISO/IEC JTC1 SC6 under PSDO

* 1. MOTION: Request that the IEEE 802 EC liaise Draft IEEE P802.11bd/D4.0 to ISO/IEC JTC1 SC6 for information under the PSDO agreement

Moved: Joseph Levy Seconded: Stephan Sand

Results: 14Y/0N/0A

## 11-22/0747r1, SA Ballot CR 11bd D4.0 NGV Ranging, Stephan Sand (German Aerospace Center (DLR))

* 1. CID 5001, 5019, 5008, 5080, 5081, 5004, 5006, 5047: No discussions
  2. CID 5046: A question was asked whether “the higher layer” should be “a higher layer”. The presenter agrees to change to “a higher layer”. In the current spec, there are “a higher layer” and “the higher layer” in multiple places. It was suggested to leave the Editor to make these consistent changes throughout the spec. The presenter will make the changes for each place if needed.

## 11-22/0768r0, Initial SA Ballot proposed resolution for CIDs 5091\_5092, Joseph Levy (InterDigital)

* 1. CID 5091: A comment was made that “contiguous” does not create a requirement, instead it reflects what is defined in the spec.
  2. CID 5092: No discussions

## 11-22/0769r0, Initial SA Ballot proposed resolution for CIDs 5084, 5088, 5093, Joseph Levy (InterDigital)

* 1. CID 5084: No discussions
  2. CID 5088: A question was asked whether we are fixing errors or we are making better text. The presenter confirmed that some texts are confusing and changes are making texts clear. The chair suggested the presenter to confirm the changes with original writer of this part of the spec text.
  3. CID 5093: The Editor pointed out that the changes are the same as the one she did in another comment.

## 11-22/0764r1, TGbd D4.0 CR related to DMG STA communicating OCB, Hiroyuki Motozuk (Panasonic)

* 1. CID 5086, 5098: No discussions
  2. CID 5087: A question was asked what the intent is for this change. The commentor suggested text changes. The presenter explained that it is up to implementation to transmit SSW frames in A-BFT or DTI. If present is to clarify that A-BFT sometimes is not present.

## CRC Motion

* 1. Move to approve the resolutions to following comments collected from the 1st SA Ballot for IEEE P802.11bdD4.0.

CID 5002, 5096, 5010, 5105, 5012, 5042, 5011, 5104, 5097, and 5094as in 11-22/0743r1

CID 5095, 5016, 5009, 5015, 5036, 5037, 5021, 5022, 5023, 5024, 5018, 5073, 5075, 5077, and 5078as in 11-22/0744r1

CID 5051, 5026, 5017, 5014, 5034, 5013, 5063, 5061, and 5059as in 11-22/0745r1

CID 5001, 5004, 5006, 5008, 5019, 5047, 5080, and 5081as in 11-22/0747r1

Moved: Joseph Levy Seconded: Stephan Sand

Results: Motion passed unanimously

## Revisit Timeline

* 1. Initial SA Ballot (D4.0) started in Apr 2022 and passed on May 2022. One or two SA Ballots will be run before Nov 2022 Final 802.11 WG approval.

## Future teleconference plan

* 1. Seven teleconference meetings are scheduled before July Plenary meeting.

## Closing

* 1. Chair adjourned the teleconference at 10:58am ET.