IEEE P802.11  
Wireless LANs

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| May 2023 Interim minutes | | | | |
| Date: 2023-05-28 | | | | |
| Author(s): | | | | |
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| Assaf Kasher | Qualcomm |  |  |  |

Abstract

This document contains TGbk May 2023 Interim minutes

1. **TGbk – May 15th, 2023**
   1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation) at **13:30 EST,**
   2. Agenda Doc. [**IEEE 802.11-569/r2**](https://mentor.ieee.org/802.11/dcn/23/11-23-0569-01-00bk-tgbk-may-meeting-agenda.pptx) **(in progress - slide 1)**
   3. Review Patent Policy and logistics
      1. Chair reviewed meeting logistics and the duty to register if one is present at the meeting
      2. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings and logistics – no clarifications requested.
      3. Chair called for any potentially essential patents, no one stepped forward.
      4. Chair reminded participants to register their attendance using imat. Vice chair shared the link for attendance
      5. Chair reviewed other guidelines for IEEE meetings, provided link to patent-related information asked if any clarifications are requested, no one stepped forward.
      6. Chair reviewed IEEE copyright policy, – no clarification requested
      7. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      8. Chair reviewed IEEE-SA standards ByLaws.
      9. Chair reviewed IEEE 802 ground rules
      10. ~~Recorded Participation requirement  
          Headcount: ~22 present~~
   4. Agenda for the week
      1. Approval of previous meeting minutes and motion from draft text meeting threshold (15min)
      2. TG Secretary affirmation vote
      3. Review technical submission.
      4. Review proposed draft text
      5. Review progress made during the week – 5 min special order
      6. Review program timelines – 10 min special order
      7. Review and setup telecon plan – 5 min special order
      8. Review submission pipeline – 5 min special order
   5. Agenda for May 15th meeting
      1. Submission pipeline – slide 24
      2. Approval of previous meeting minutes and motion from draft text meeting threshold
      3. TG Secretary affirmation vote
      4. Review Spec. Framework Document
      5. Review technical submission towards SFD and amendment text
         1. 11-23-248 - TGbk Specification Framework Document– Roy Want
         2. 11-23-415 - PDT EHT Ranging NDP - Steve Shellhammer
      6. AoB
   6. Motion to approve previous meeting minutes
      1. Motion 202305-01

Move to approve document 11-23/418r0 as TGbk meeting minutes for the 2023 March IEEE meeting week.

Moved by: Assaf Kasher

Seconded by: James Gilb

Approved by Unanimous Consent

* + 1. Motion 202305-02

Move to approve document 11-23/808r0 as TGbk meetings minutes for telecons running between the 2023 March and May IEEE meeting weeks.

Moved by: Dibakar Das

Seconded by: Ali Raissinia

Approved by Unanimous Consent

* 1. Motion to approve documents that met 75% threshold during telecons
     1. Motion 202305- 03

Move to adopt document 11-23-390r4 to the 802.11bk draft, instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor.

Moved by: Yanjun Sun

Seconded by: Steve Shellhammer

Approved by Unanimous Consent

* 1. Motion to confirm secretary
     1. Motion 202305- 04

Move to confirm Dibakar Das for the position of TG Secretary.

Moved by: Roy Want

Seconded by: Qinghua Li

Approved by Unanimous Consent

* 1. Roy Want – presented 11-23-248
     1. Title – Specification Framework Document
     2. no comments received
  2. Steve Shellhammer presented 11-415r1
     1. Title: PDT EHT Ranging NDP
     2. C: The number of LTF is derived differently in EHT than in HE. We should also mention that actual number of streams should also be set
     3. R: Will discuss offline.
     4. C: add TBD for missing parts.
     5. C: presenter asked how best to keep track of TBD work items.
     6. R: chair and editor will take action. Asked the presenter to identify such items.
     7. C: change to “When the TXVECTOR parameter NUM\_USERS is greater than 1, the TXVECTOR parameter NUM\_STS[1] is used to set the NSS subfield and the Number of EHT-LTF Symbols subfield within the Common field of the EHT-SIG; the Number of EHT-LTF Symbols subfield is set according to Table 21-13 (Number of VHT-LTFs required for different numbers of space-time streams). Otherwise, the TXVECTOR parameter NUM\_STS is used to set the NSS subfield and the Number of EHT-LTF Symbols subfield within the Common field of the EHT-SIG; the Number of EHT-LTF Symbols subfield is set according to Table 21-13 (Number of VHT-LTFs required for different numbers of space-time streams).”
     8. R: agree to this. For now this is correct, if not concise. Can make it more concise as part of CR later.
     9. C: will come back to this doc, tabling the discussion.
  3. Yanjun Sun 11-23-698
     1. Title: 11bk spec text for NDP Announcement -part 2
     2. presenter: main change is the equations and variable names are different for text related to TXOP\_DURATION.
     3. C: (P19) how is the case of HE MU handled ?
     4. R: for HE case, NDP is always SU. So, new text is compatible with 11az.
     5. There are actually three cases accounting for UL as there are both HE TB and EHT TB Change those instances in (P20) to TB from SU.
     6. R: revised on the fly during discussion.
     7. Presenter: “Secure HE-LTF Parameters” to “Secure LTF Parameters”.
     8. Chair: underline the part of instructions to editor that are meant to change baseline 11az text that’s going to be in REVm.
     9. Ready to run motion
  4. Motion to adopt document 11-23-698r0
     1. Motion 202305-05

Move to adopt document 11-23-698r2 to the 802.11bk draft, instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor.

Moved by: Yanjun Sun

Seconded by: Steve Shellhammer

Discussion:

C: there are still word comments on the document. Does the editor ignore those ?

R: yes.

Approved by unanimous consent.

* 1. Steve continues 11-415r2
     1. Presenter: deleted the comments, accepted an earlier comment, added TBDs
     2. C: clarify the location of NSS field in P3 (i.e., which “subfield” ?)
     3. R: need to review, change offline and come back tomorrow.
  2. AOB?
     1. Chair: is there objection to assume the SFD is stable and work on spec-text only from now on ?
     2. C: question on how the process would look like if we do that ?
     3. R: can bring a SP or motion and use that to contribute a spec-text document.
  3. Motion on completion of SFD.
     1. Motion text: We agree that the SFD is now complete, and additional protocol considerations will follow a technical presentation as needed and proposed draft text for adoption by the group.

Moved by Christian Berger

Seconded by Roy Want

Discussion: None

Approved by unanimous consent.

* 1. Recessed at 15:11

1. **TGbk – May 16th, 2023**
   1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation) at **13:30 EST,**
   2. Agenda Doc. [**IEEE 802.11-569/r3**](https://mentor.ieee.org/802.11/dcn/23/11-23-0569-03-00bk-tgbk-may-meeting-agenda.pptx) **(in progress - slide 1)**
   3. Review Patent Policy and logistics
      1. Chair reviewed meeting logistics and the duty to register if one is present at the meeting
      2. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings and logistics – no clarifications requested.
      3. Chair called for any potentially essential patents, no one stepped forward.
      4. Chair reminded participants to register their attendance using imat.
      5. Chair reviewed other guidelines for IEEE meetings, asked if any clarifications are requested, no one stepped forward.
      6. Chair reminded members to review IEEE SA copyright policy, – no clarification requested
      7. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      8. Chair reviewed IEEE-SA standards ByLaws.
      9. Chair provided reference to IEEE 802 ground rules
      10. Second attendance reminder.
      11. ~~Recorded Participation requirement  
          Headcount: ~22 present~~
   4. Agenda
      1. Review technical submission towards amendment text
         1. 11-23-415 - PDT EHT Ranging NDP - Steve Shellhammer
         2. 11-22-864 EHT TB Ranging NDP Amendment Text
      2. AoB
   5. Steve presented 11-415r4
      1. Title - PDT EHT Ranging NDP
      2. C: regarding renaming the caption of the Common field for EHT Sounding, do we also need to make similar changes for HE Sounding NDP ?
      3. R: No.
   6. Motion to adopt document 11-23-415r4
      1. **Motion 202305-06**

Move to adopt document 11-23-415r4 to the 802.11bk draft, instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor.

Moved by: Steve Shellhammer

Seconded by: Christian Berger

Approved by unanimous consent.

* 1. Chrisian presented 11-23-864
     1. Title: EHT TB Ranging NDP ammendment
     2. C: Was the PE value set to 8 us in both EHT Ranging and EHT TB Ranging NDP ?
     3. R: yes, it was already motioned.
     4. C: Do we still need HE single stream pilot HE-LTF mode in P4 ?
     5. R: delete this text.
     6. Do we have diagram for EHT LTF Repeitition block ?
     7. R: they exist for Ranging NDP contribution in Steve.
  2. Agenda amended to add:
     1. Review timelines – 5min special order
     2. Schedule telecons for the May to July meeting interval – 5min special order
  3. Review timeline:
     1. C: no objection to move WG approval for initial WG ballot target to September
     2. C: need to start documenting the list of open items (e.g., puncturing)
     3. R: add an agenda item for discussion of open items
  4. Schedule telecon:
     1. No comments.
  5. Identify topics for draft completion
     1. C: add Trigger frame format and setting, Secure LTF AES 128 mapping to symbols, Negotiatior for 320 MHz with and without Secure LTF, TXVECTOR and RXVECTOR, Passive Ranging.
  6. AOB?
  7. Recessed at 11:53 PST

1. **TGbk – May 17th, 2023** 
   1. Called to order by TGbk Chair Jonathan Segev (Intel), at **16:00 EDT.** Assaf Kasher (Qualcomm) is the acting secretary for this session.
   2. Agenda Doc. [**IEEE 802.11-23/569r5**](https://mentor.ieee.org/802.11/dcn/23/11-23-0569-05-00bk-tgbk-may-meeting-agenda.pptx)
      1. Review Patent Policy and logistics
      2. Chair reviewed meeting logistics and record attendance if one is present at the meeting
      3. Chair indicated that payed registration is needed for this meeting
      4. Chair reviewed the IEEE-SA Patent Policy, duty to inform, the guideline for IEEE WG meetings and logistics – no clarifications requested.
      5. Chair called for any potentially essential patents, no one stepped forward.
      6. Chair reviewed other guidelines for IEEE meetings,
      7. Chair reviewed IEEE Anti-trust and competition laws, copyright policy,
      8. Chair reviewed IEEE code of ethics, code of conduct and WG participation as an individual professional-no clarification requested
      9. Chair reviewed IEEE 802 ground rules and provided reference to IEEE Standards by-laws
      10. Chair reminded participants to register their attendance using imat.
   3. Agenda
      1. Review technical submissions towards SFD and amendment text
      2. Submission list for the telecon:
         1. 11-23-874 EHT TXVECTOR and RXVECTOR parameters
         2. 11-23-875 EHT LTFVECTOR parameters
         3. 11-23-864
      3. Agenda Approved
   4. Christian Berger presented 11-23-874
      1. Title EHT TXVECYTOR and RXVECTOR parameters
   5. Christian Berger presented 11-23-875
      1. Title EH LTFVECTOR parameters
   6. Christian Berger presented 11-23-864
   7. Motions
      1. Motion **202305-07**  
         Move to adopt document 11-23-864r2 to the 802.11bk draft instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor  
         Moved by Christian Berger  
         Seconded by Ali Raissinia  
         Results: Approved by Unanimous Consent
      2. Motion **202305-08**  
         Move to adopt document 11-23-874r1 to the 802.11bk draft instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor  
         Moved by Christian Berger  
         Seconded by Ali Raissinia  
         Results: Approved by Unanimous Consent
      3. **Motion 202305-09**   
         Move to adopt document 11-23-875r1 to the 802.11bk draft instruct the technical editor to incorporate it in the 802.11bk draft amendment text and grant editorial rights to the technical editor  
         Moved by Christian Berger  
         Seconded by Ali Raissinia  
         Results: Approved by Unanimous Consent
   8. AOB
   9. Adjourned at 16:52 EDT