kIEEE P802.11  
Wireless LANs

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| March 2023 Plenary Minutes | | | | |
| Date: 2023-01-16 | | | | |
| Author(s): | | | | |
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Abstract

This document contains TGbk March 2023 Plenary minutes

1. **TGbk – March 13th, 2023**
   1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation) at **13:30 EST,**
   2. Agenda Doc. [**IEEE 802.11-191/r1**](https://mentor.ieee.org/802.11/dcn/23/11-23-0193-01-00bk-tgbk-march-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 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 802 ground rules
      9. Recorded Participation requirement  
         Headcount: ~22 present
   4. Agenda
      1. Review technical submission.
      2. Review proposed draft text.
      3. Review progress made during the week – 5 min special order
      4. Review initial program timelines – 10 min special order
      5. Review and setup telecon plan – 5 min special order
      6. Review submission pipeline – 5 min special order
      7. Agenda approved unanimously
   5. Agenda for March 13th meeting
      1. Submission pipeline – slide 24
      2. Previous meeting minutes approval
      3. Review Spec Frame document
      4. Review technical submission towards and amendment text
         1. 11-23-248 - Specification Framework Document – Roy Want
         2. 11-23-382 - Comments on 11bk Supporting Puncturing Patterns – Julia Feng
      5. AoB
   6. Motion to approve pervious meeting minutes
      1. Motion 202303-01  
         Move to approve document 11-23-0107r0 as TGbk meeting minutes for the TGbk January meeting  
         Moved by Assaf Kasher  
         Seconded by Ali Raissinia  
         Approved by Unanimous Consent
   7. Roy Want – presented 11-23-248
      1. Title – Specification Framework Document
      2. Q: Why is the common section in secure LTF in Security –
      3. R: should be moved to PHY: common secure LTF
   8. Julia Feng presented 11-0382
      1. Title Comments on 11bk Supporting Puncturing Patterns
      2. Q: it is not optional to have a new pattern in NDP. All PHY patterns are mandatory.
      3. Q: When do you lose because of the reduced BW if the receiver needs continuous BW.
      4. R: this is the case when a 20MHz is punctured in the upper part of 320MHz and the continues part can be 200MHz but it is reduced to 160MHz because of the limited puncturing patterns
      5. Q: most implementation don’t support having an LMR at a different puncturing than the Beacon based sounding. The real question is whether 11bk should support dynamic puncturing.
      6. Strawpoll:  
         Do you agree with the following statement: “IEEE 802.11bk is not allowed to transmit an EHT TB Ranging NDP with a puncturing pattern indicated in the beacon”  
         Results: (Y/N/A\_ – 24/23/7)
   9. Erik Lindskog 11-23-391
      1. 320 Title: 320 MHz EDCA Ranging PPDU Support
      2. Q:The main limit on the accuracy is not BW but antenna diversity
   10. AOB?
   11. Recessed at 15:30
2. **TGbk – March 14th, 2023**
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      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 802 ground rules
      9. Recorded Participation requirement  
         Headcount: ~41 present
   4. Agenda
      1. Review Technical submissions towards SFD and amendment text
         1. 11-23-130 – Packet Extension - Steve Shellhammer 40 Minutes
         2. 11-23-145 – Proposed draft text EHT Ranging NDP
      2. Recess
   5. Steve Shellhammer presented 11-23-130
      1. Title: Packet Extension
      2. Straw Poll:   
         Do you agree that in 802.11bk an 8 µs PE duration will be used in both the EHT Ranging NDP and the EHT TB Ranging NDP?  
         Results (Y/N/A) 20/0/4
      3. Motion  
         Move to include in the SFD that:”  
         “The EHT Ranging NDP and the EHT TB Ranging NDP shall only have an 8 use PE duration”  
         Moved by: Steve Shellhammer  
         Seconded by: Ali Raissinia  
         Approved by Unanimous consent
   6. Steve Shellhammer 11-23-145
      1. Title PDT EHT Ranging NDP
      2. Action: check if there is support of signaling if this is a Ranging NDP
      3. C: to be consistent with AZ the beamforming matrix should be unit matrix.
   7. Recess at 15:14 EST
3. **TGbk – March 15th, 2023**
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      8. Chair reviewed IEEE 802 ground rules
      9. Recorded Participation requirement  
         Headcount: ~22 present
   4. Agenda
      1. Review Technical submission towards SFD and amendment text (as time permits)
         1. 11-23-48 Follow up on 320MHz NTB/TB ranging
         2. 11-23-390 Proposed draft text on NDP Announcement
         3. 11-23-393 Proposed draft text for FTM frame
      2. Agenda approved
   5. Yanjun Sun presented 11-23-48
      1. Title Follow-up on 20MHz NTB/TB ranging
      2. Strawpoll:  
         Do you agree that IFTMR/IFTM frames of 802.11bk will use only a single reserved entry in the Format And Bandwidth subfield to indicate 320MHz  
         • The entry is for 320MHz with a single RF LO;  
         • If the entry is included in an IFTMR or IFRM frame, it indicates that the transmitter of the frame supports 320MHz with a single RF LO 160MHz with a single RF LO , 80MHz, 40MHz and 20MHz.  
         Results (Y/N/A) (12/0/5)
      3. Motion (202303-2)  
         Move to include in the SFD that   
         “IFTMR/IFTM frames of 802.11bk will use only a single reserved entry in the Format And Bandwidth subfield to indicate 320MHz  
         • The entry is for 320MHz with a single RF LO;  
         • If the entry is included in an IFTMR or IFRM frame, it indicates the support of 320MHz with a single RF LO 160MHz with a single RF LO , 80MHz, 40MHz and 20MHz; mode of operation” – and assign editorial rights to the SFD editor  
         Moved by Yanjun Sun  
         Second by Ali Raissinia  
         Approved by Unanimous Consent
   6. Yanjun Sun presented 11-23-0390
      1. Title 11bk Spec Text for NDP Announcement
      2. C: The second sentence is based on behavior it is not necessary. IF the TA address is not not set, how does the receiver know who transmitted it.
      3. R: only one bit in the TA is used, (group/single) the rest are the MAC address.
      4. C: we need to have single section for Ranging NDPA, special in EHT, it’s not going to be part of the general part of EHT NDPA. In this case the repetitions of text are necessary.
      5. C: The name needs to be changed A Ranging NDP Announcement frame for 320MHz mode
      6. C: it is really baseline behavior, why do we need to specify anything
      7. R: this is to indicate we support the motion.
      8. Strawpoll will be taken after some changes in the document
   7. Yanjun Sun presented 11-23-393
      1. Title 11bk spec text for IFTM expansion
      2. The document requires many changes.
   8. Recess at 18:00 EDT
4. **TGbk – March 15th, 2023**
   1. Called to order by TGbk Chair, Jonathan Segev (Intel Corporation) at **13:30 EST,**
   2. Agenda Doc. [**IEEE 802.11-191/r4**](https://mentor.ieee.org/802.11/dcn/23/11-23-0193-01-00bk-tgbk-march-meeting-agenda.pptx) **(in progress - slide 1)**
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      7. Chair reviewed IEEE code of ethics and WG participation as an individual professional. – no clarification requested
      8. Chair reviewed IEEE 802 ground rules
      9. Recorded Participation requirement  
         Headcount: ~102 present
   4. Agenda
      1. Review submissions
         1. 11-23-391 320MHz EDCA ranging – Erik Lindskog
      2. Progress made during the week
      3. Review Timelines
      4. Schedule telecons
   5. Erik Lindskog reviewed 11-23-391
      1. Title 320MHz EDCA ranging
      2. C: there are not that many 320MHz channels in the field. The accuracy we get from 160MHz is in most cases is good enough. This means AP vendors will not implement Legacy does provide security which is problematic for lock/unlock applications. That’s an issue for P2P applications
      3. Straw Poll:  
         Do you support adding support for 320 MHz ranging using the EHT PPDUs to EDCA ranging?  
         Results: 21/65/9
   6. Timeline review – slide 39
   7. Telecon Schedule – slide 40
   8. Reviewed Progress in the meeting and plan towards the May meeting – slides 41-42
   9. AOB?
   10. Adjourned at 14:11 EDT

**References:**