IEEE P802.11  
Wireless LANs

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| Telecon Minutes for REVmd - May - June | | | | |
| Date: 2019-05-31 | | | | |
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Abstract

# 2019 May and June Teleconference Minutes

This document contains the Minutes for the May and June 2019 TGmd teleconferences (May 24, May 31, June 21 and June 28.

R0: Telecon - 24 May 2019 -- Thanks to Mark HAMILTON for help with taking notes for the minutes.

R1: Telecon – 31 May 2019

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TGmd will hold 4 teleconferences before the July 2019 session: May 24, 31 and June 21, 28 at 10am Eastern (2 hours) for the purpose of Letter Ballot 236 comment resolution and presentations.

We’ll use the [join.me](http://join.me) bridge:  <https://join.me/ieee802.11>, see <http://grouper.ieee.org/groups/802/11/joinme.html> for more detailed instructions.

Teleconferences are subject to applicable policies and procedures, see below.

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  •       IEEE Code of Ethics

–       <https://www.ieee.org/about/corporate/governance/p7-8.html>

•       IEEE Standards Association (IEEE-SA) Affiliation FAQ

–       <https://standards.ieee.org/faqs/affiliation.html>

•       Antitrust and Competition Policy

–       <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/antitrust.pdf>

•       IEEE-SA Patent Policy

–       <http://standards.ieee.org/develop/policies/bylaws/sect6-7.html>

–       <https://standards.ieee.org/about/sasb/patcom/>

 •       IEEE 802 Working Group Policies &Procedures (29 Jul 2016)

–       <http://www.ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf>

•       IEEE 802 LMSC Chair's Guidelines (Approved 13 Jul 2018)

–       <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0120-27-0PNP-ieee-802-lmsc-chairs-guidelines.pdf>

•       Participation in IEEE 802 Meetings

–       <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

•       IEEE 802.11 WG OM: (Approved 10 Nov 2017)

–       <https://mentor.ieee.org/802.11/dcn/14/11-14-0629-22-0000-802-11-operations-manual.docx>

**1.0 802.11md - REVmd – Telecon, Friday 24 May 2019, 10:00- 12:00 ET**

* 1. **Call to Order** at 10:03 ET by the TG Chair, Dorothy STANLEY (HPE)
  2. **Attendance:**
     1. Dorothy STANLEY (HPE)
     2. George CALCEV (Futurewei)
     3. Mark HAMILTON (Ruckus/ARRIS)
     4. Mark RISON (Samsung)
     5. Sean COFFEY (Realtek)
     6. Mike MONTEMURRO (Blackberry)
     7. Jerome HENRY (Cisco)
     8. Thomas DERHAM (Broadcom)
     9. Liwen CHU (Marvell)
     10. Joe LEVY (Interdigital)
     11. Jon ROSDAHL (Qualcomm)
     12. Ganesh VENKATESAN (Intel)
     13. Youhan KIM (Qualcomm)
  3. **Review Patent Policy**
     1. Call for essential patents
     2. No issues noted
  4. **Review Participation slide**:
     1. <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
  5. **Review Agenda** – 11-19/958r1
     1. <https://mentor.ieee.org/802.11/dcn/19/11-19-0958-01-000m-2019-may-june-tgmd-teleconference-agendas.docx>
     2. Review draft agenda:

1.       Call to order, attendance, and patent policy

a.       **Patent Policy: Ways to inform IEEE:**

1. Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b.      Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

2.       Editor report – Emily QI/Edward AU (to be given by Ganesh VENKATESAN)

3.       Comment resolution

1. **2019-05-24** 
   1. CIDs 2309, 2310 - 11-19-656 – George CALCEV
   2. CIDs 2596, CID 2366 – direction of resolution? – Mark RISON
   3. GEN CIDs – Jon ROSDAHL, 11-19-838 CID 2446
   4. CIDS 2081, 2082, 2083, 2088 (MAC), 2601(PHY) - pulled from Motion in Atlanta
   5. PHY CIDs – Mike MONTEMURRO

4. AOB:

1. Review of remaining CIDs – insufficient detail
   1. July meeting planning - 5 timeslots planned
      1. Monday PM1
      2. Tuesday PM1, PM2
      3. Thursday PM1, PM2

5.       Adjourn

* + 1. Modifications to agenda were made to accommodate those on the call:
    2. Final Comment Resolution plan:
* **2019-05-24** 
  + CIDs 2309, 2310 - 11-19-656 – George CALCEV
  + CIDs 2596, CID 2366 – direction of resolution? – Mark RISON
  + GEN CIDs 2648, 2632, 2606– 11-19-449r2 -Jon ROSDAHL, 11-19-838 CID 2446
    1. No objection to the Agenda plan.
       1. (Highlights indications were added after the meeting for those CIDs marked ready for motion).
  1. American entity list participants?
     1. Dorothy: I’m not a lawyer. Referenced [link to email to reflector archive May 20, from Dorothy](http://www.ieee802.org/11/email/stds-802-11/msg03708.html) >. My understanding is that this is a public meeting, and for public meetings where information is available to everyone, such as this, free participation is allowed. See < <http://www.ieee802.org/11/email/stds-802-11/msg03708.html> > for detailed information.
  2. **Editor’s report**, provided by Ganesh VENKATESAN (Intel)
     1. Draft 2.3 is in process, with all approved changes from Atlanta meeting.
     2. Target release is end of June.
  3. **Review Document 11-19-0656r3,** George CALCEV (Futurewei Technologies)
     1. <https://mentor.ieee.org/802.11/dcn/19/11-19-0656-03-000m-proposed-comment-resolutions-2309-2310.doc>
     2. CIDs 2309 2310 (both GEN):
        1. CIDs are on primitives that have no clear “effect of receipt”
        2. Proposal is for Revised, with new text for the “effect of receipt” subclauses
        3. Don’t need the IPI-STATE description, since that parameter is deleted from the .confirm parameters.
        4. Does the IPI-REPORT contain the IPI-STATE? No, that’s not what the IPI-STATE is – it is only whether IPI reporting is on or not, which is not useful to REPORT. But, the current text talks about the reporting being on \_prior\_ to the latest .request primitive.
        5. This seems to need more off-line discussion.
  4. **Review Document 11-19-0856r2**, Mark RISON (Samsung)
     1. <https://mentor.ieee.org/802.11/dcn/19/11-19-0856-02-000m-resolutions-for-some-comments-on-11md-d2-0-lb236.docx>
     2. CID 2596 (MAC):
        1. Has been worked off-line since Atlanta. Intent is no technical change, just removal of the redundancy and reorder for better flow.
        2. The sentence with “If it does not support…” then bullets, and then a “then …” is confusing. No suggestion for a better way to say it, though.
           1. Discussion over which form is preferred. Two weak preferences, one for each format. Third preference for the second form, or to fix the wording in the first form to be less ambiguous.
           2. No objection to proceeding with Alternative 2.
           3. Mark will post an r3 with Alternative 2 clearly stated.
           4. Proposed Resolution: Revised; Incorporate the changes for CID 2596 in doc 11-19/856r3 <<https://mentor.ieee.org/802.11/dcn/19/11-19-0856-03-000m-resolutions-for-some-comments-on-11md-d2-0-lb236.docx>> which updates the text in the direction suggested by the commentor.
           5. No Objection - Mark Ready for Motion.
     3. CID 2366 (GEN):
        1. Attempts to clean up “MAC variables” that are “local” or that are PHY characteristics.
        2. There is history to this, that we categorized “variables” as MIB, or characteristics, or “local” (in the programming language sense). But, generally agree with making this clearer. Could perhaps define the phrase, or a similar phrase to “local variable”.
        3. What does it mean to “force a PHY characteristic” like aSlotTime? A better verb would be preferred.
        4. Some preference for having some phrase for these “variables”, and add a definition of it. Others think the implicit definition is sufficient. The PHY characteristic ones could have wording that they are a shared interest (shared between the MAC and PHY) in this variable.
        5. Change “force” to “override”. Otherwise agree with these changes.
        6. Maybe we want to reword the whole concept around changing the aSlotTime, to be clearer about the MAC’s usage of the PHY characteristic, not changing the PHY characteristic.
        7. Will work off-line and bring back.
  5. **GEN AdHoc CIDS** Jon ROSDAHL
     1. Process comments from database – GEN Discuss comments
     2. GEN AdHoc files are also noted in doc 11-19/449r2:
        1. <https://mentor.ieee.org/802.11/dcn/19/11-19-0449-02-000m-revmd-lb236-gen-comments.xls>
     3. CID 2565 (GEN):
        1. Review Comment
        2. Do I need to identify each usage, or is the global change sufficient to do “ACCEPT”?
        3. Believe “packet number” is a field in some security contexts, so we need to look at the individual changes; there are ~24 instances.
        4. Assign to Mark RISON for a detailed review.
     4. CID 2348 (GEN):
        1. Review Comment
        2. Similar to CID 2349 (GEN) which is assigned to Menzo.
        3. Assign this to Menzo and mark it Submission Required, to be done along with CID 2349 (GEN), which is Submission Required.
     5. CID 2316 (GEN):
        1. There are about 8 real uses of “within a beacon interval”.
        2. Mark RISON to prepare a review of these.
        3. Assign to Mark RISON
     6. CID 2648 (GEN):
        1. Review Comment
        2. “regulatory-only CCA-ED” is not a defined term. CCA-ED is used quite a lot in the Standard. At least in Annex D, the change seems unnecessary and confusing. Consult with Brian HART (Cisco) about this, to clarify the intended usage. “CCA-ED” might be intended to refer to the -62 dBm ED, which is common and normal, and shouldn’t be changed.
        3. Looking a just the first half of the changes proposed in CID 2648, the term “virtual CS mechanism” is described in 10.3.1 and 10.3.2.1, and with an alternative mechanism applied for S1G MACs in 10.3.2.1. Also, there are multiple NAVs in DMG (7th paragraph of 10.3.2.1 – D2.0 P1695.43)
        4. This needs more work, also, to be clear what we are changing.
        5. Discussion of possible rejection.
           1. There are multiple mechanisms that make up the “virtual CS”. See D2.0 P1695.20 and P1695.43. Also, the suggested change to insert “regulatory-only” was considered, but the term introduces confusion in the draft as no definition is provided.
        6. Proposed Resolution: REJECTED (GEN: 2019-05-24 15:29:21Z) There are multiple mechanisms that make up the “virtual CS”. See D2.0 P1695.20 and P1695.43. The suggested change to insert "regulatory-only" was considered and the term was not defined to justify its addition.
     7. CID 2645 (GEN):
        1. Review Comment
        2. Agree with the intent, but we need to check locations.
        3. Jon will review off-line and bring back – Submission Required.
     8. CID 2632 (GEN):
        1. Review Comment
        2. This seems related to CID 2633, which was done in March.
        3. Proposed Resoution: REVISED (GEN: 2019-05-24 15:38:06Z) in D2.2 p649.26 and p648.38 change "OCT MMPDU structure" to "OCT MMPDU Descriptor field" which are the only two instances in D2.2.
        4. No objection – Mark Ready for Motion
     9. CID 2560 (GEN):
        1. Review Comment
        2. Not sure RSNI works anymore, or is used, maybe just remove it.
        3. Assign to Youhan to look at it.
        4. Removing it would be a lot of work to check and clean up all the places it is mentioned (in BSSDescription, for example).
        5. Maybe we just add a NOTE here.
     10. CID 2606 (GEN):
         1. Review Comment
         2. Looked at referenced locations.
         3. Issue here is that “present” with a list of frames leads to Spec Rot, when the list of frames changes. But, we defined “included” to clearly mean that the list is not all inclusive, so changing to the word “included” avoids the Spec Rot. But, we noted that “present” has the same clarification in 1.4.
         4. Separately, the second half is trying to fix that there is no normative statement that these can be plural, outside clause 9, so the use of “can” (which means it is stated elsewhere) is wrong. But, putting a normative “may” in clause 9 leads to other problems.
         5. Even if we agree that the second is a real issue, the conversation was to reject the comment’s proposed resolution.
         6. Proposed Resolution: REJECTED (GEN: 2019-05-24 15:57:05Z) in 1.4 it states "A construction of the form “the x element can be included in a, b and c frames” or “the x element can be present in a, b and c frames” is not to be understood as being a complete list of frames in which the element might be present." which indicates that either verb is ok. The suggested change introduces normative verbs in clause 9 which we have tried to avoid.
         7. This CID will be in a separate motion and will be put on a separate tab in 11-19/449r3 (“GEN Motion Present”).
     11. ACTION ITEM: Jon will send email to the reflector with a list of the remainder of the comments he has ready for discussion, to be reviewed off-line by the group.
  6. **Adjourned at 12:02pm ET.**

1. **802.11md - REVmd – Telecon, Friday 31 May 2019, 10:00- 12:00 ET**
   1. **Call to Order** at 10:02 ET by the TG Chair, Dorothy STANLEY (HPE)
   2. **Attendance:**
      1. Dorothy STANLEY (HPE)
      2. Mark HAMILTON (Ruckus/ARRIS)
      3. George CALCEV (Futurewei)
      4. Yujin NOH (Newracom)
      5. Mark RISON (Samsung)
      6. Mike MONTEMURRO (Blackberry)
      7. Joe LEVY (Interdigital)
      8. Edward AU (Huawei)
      9. Jerome HENRY (Cisco)
      10. Sean COFFEY (Realtek)
      11. Erik Lindskog (CSR)
      12. Ganesh VENKATESAN (Intel)
   3. **Review Patent Policy**
      1. Call for essential patents
      2. No issues noted
   4. **Review Participation slide**:
      1. <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
   5. **Review Agenda** – 11-19/958r2
      1. <https://mentor.ieee.org/802.11/dcn/19/11-19-0958-02-000m-2019-may-june-tgmd-teleconference-agendas.docx>
      2. Review draft agenda:

1.       Call to order, attendance, and patent policy

a.       **Patent Policy: Ways to inform IEEE:**

1. Cause an LOA to be submitted to the IEEE-SA ([patcom@ieee.org](mailto:patcom@ieee.org)); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b.      Participation slide: <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

2.       Editor report – Emily QI/Edward AU

3.       Comment resolution

1. **2019-05-31** 
   * + - 1. CIDs 2312 and 2313 – 11-19-261 – Yujin NOH
         2. CIDs 2435, 2303, 2517, 2518 – 11-19-549 – Yongho SEOK
         3. PHY CIDs 2207, 2499, 2500, 2507, 2550, 2573, – 11-19- 322r5 - Mike MONTEMURRO
         4. CIDs in 11-19-841 - Carlos CORDEIRO
         5. CIDs 2309, 2310 - 11-19-656 – George CALCEV
         6. CIDS 2081, 2082, 2083, 2088 (MAC), 2601 (PHY) - pulled from Motion in Atlanta
         7. CID 2366, 2565, 2316, 2468 2584, 2585– Mark RISON

4. AOB

5.       Adjourn

* + 1. Modifications to agenda were made to accommodate those on the call:
    2. Final Comment Resolution plan:
* **2019-05-31** 
  + CIDs 2312 and 2313 – 11-19-261 – Yujin NOH
  + PHY CIDs 2207, 2499, 2500, 2507, 2550, 2573, – 11-19- 322r5 - Mike MONTEMURRO
  + CIDs in 11-19-841 - Carlos CORDEIRO
  + CIDs 2309, 2310 - 11-19-656 – George CALCEV
  + CIDs 2435, 2303, 2517, 2518 – 11-19-549 – Yongho SEOK
  + CIDS 2081, 2082, 2083, 2088 (MAC), 2601 (PHY) - pulled from Motion in Atlanta
  + CID 2366, 2565, 2316, 2468 2584, 2585– Mark RISON
    1. No objection to the Agenda plan.
       1. (Highlights indications were added after the meeting for those CIDs marked ready for motion).
  1. **Editor’s report**, provided by Edward AU (Huawei)
     1. Draft 2.3 production plan:
        1. Implement Atlanta approved comments, by June 9.
        2. ANA request has been sent.
        3. Editors’ review and produce raw Draft 2.3: June 14.
        4. Volunteer reviews: June 14-21.
        5. Produce final D2.3 by June 30.
     2. CID 2262 (MAC) question: Not sure how to delete the second paragraph, on page 3780. Reviewed minutes from April ad hoc. Seems the reference should be to D2.1 P3780 lines 56 through 59. Edward will implement (making sure to keep the closing double-quote). Brief discussion about why we’re updating text on a deprecated item – agreed that the discussion that led to this resolution is out of scope at this time, we’re just trying to help the Editor implement the resolution.
  2. **Document 11-19-0261r7** (<https://mentor.ieee.org/802.11/dcn/19/11-19-0261-07-000m-resolutions-to-s1g-phy.docx>), Yujin NOH (Newracom) - CIDs 2312 and 2313 (both PHY):
     1. It is better to focus on the original purpose of S1G field contents in a non NDP CMAC frame.
     2. Do we usually talk about a bit within a symbol, and not within a field? Reviewed frame header format Figures, trying to determine what this text is describing. Since the bit we’re trying to reference is within the SIG-2, we need the reference to the symbol itself to disambiguate.
     3. Make changes according to 11-19-0261-07-00m for CIDs 2312 and 2313.
     4. REVISED (PHY: 2019-05-31 14:36:52Z) -
        1. Here in this subclause, it is better to focus on the original purpose of S1G SIG field contents of a non NDP CMAC frame.
        2. As for an NDP CMAC frame, the corresponding indication is moved to 9.9 (NDP CMAC frames(11ah)) of MAC spec.
        3. TGm Editor: make changes according to this document <https://mentor.ieee.org/802.11/dcn/19/11-19-0261-07-000m-resolutions-to-s1g-phy.docx>.
     5. Ready for motion.
  3. **Document 11-19-0322r5** (<https://mentor.ieee.org/802.11/dcn/19/11-19-0322-05-000m-lb236-comment-resolutions-montemurro.docx>), Mike MONTEMURRO (Blackberry):
     1. CID 2207 (PHY):
        1. Reviewed effect of proposed changes.
        2. “PMK = PMK from SAE” is counter-intuitive. But, perhaps correct.
        3. What label(s) do we need on the new arrow, compared to the existing arrows with “802.1X::keyRun” information? Suggest discuss with Jouni, off-line.
        4. ACCEPTED
        5. Ready for motion. Note to Editor, this is Figure 12-50 (in D2.0).
     2. CID 2499 (PHY):
        1. Reviewed Discussion. This removes references to WEP, but otherwise copies the text as requested by the comment.
        2. Editorial adjustments.
        3. Also, noted that BIGTK has added a range (6-7) for BIP with BIGTK.
        4. Revised. At the cited location replace “N/A” with “0-3 shall be used with CCMP and GCMP; 4-5 with BIP for IGTK; 6-7 with BIP for BIGTK; and 8-4095 are reserved” (Editor to use appropriate dash/hyphen.)
        5. Ready for motion.
     3. CID 2500 (PHY):
        1. Need to correct the ranges in the first paragraph, to match the CID 2499 resolution.
        2. Preference to keep the NOTE on p2572.8, so modify the instructions to add the normative text (before the NOTE), but don’t replace/delete the NOTE.
        3. We should have the NOTE from 12.5.4.4 in 12.5.3.4.2, also (for CCMP). This is a separate comment, that needs more research for exactly how (or if) it applies.
        4. When we restore the block of text at the end of 12.6.21, we need to update this for editorial and minor technical changes we’ve made to the draft that should apply to this (for example, “Packet Number” with upper-case letters, and covering BIGTK cases).
        5. Will post the updated r6.
        6. Revised. Make the changes as shown in [https://mentor.ieee.org/802.11/dcn/19/11-19-0322-06-000m-lb236-comment-resolutions-montemurro.docx for CID 2500](https://mentor.ieee.org/802.11/dcn/19/11-19-0322-06-000m-lb236-comment-resolutions-montemurro.docx%20for%20CID%202500).
        7. Ready for motion.
     4. CID 2507 (PHY):
        1. Suggestion is to use “into the MAC” instead of “into the STA”. But, we have other text in the baseline that use “STA”, so for consistency, use “STA”. Maybe the other locations’ use of “STA” should also be “MAC”. There are “into its” and “into the” uses (at least).
        2. This needs off-line investigation to find other places to change to “into … MAC”. Group agrees.
        3. ACTION: Assigned to Mark Rison to investigate.
        4. Will come back to this at the end of the call, if a suggestion is available in time.
     5. CID 2550 (PHY):
        1. There are more changes than shown in the Discussion.
        2. Accepted. Ready for motion.
     6. CID 2573 (PHY):
        1. This duplicates changes already made in CID 2205.
        2. Accepted. Note to editor, this is a duplicate of CID 2205
        3. Ready for motion.
  4. **Document 11-19-0841r0** (<https://mentor.ieee.org/802.11/dcn/19/11-19-0841-00-000m-cid-resolution.docx>), Carlos CORDEIRO (Intel):
     1. CIDs 2000, 2178 2672 2705 (all MAC):
        1. The inclusion of a 6 GHz entry in the noted table does not imply that operation by a STA is possible in this band. Annex E would also need to be modified. This inclusion does allow FST and OCT to operate in 6 GHz, if/when the baseline is updated to support 6 GHz.
        2. Disagree. We should leave it to TGax to modify this table, at the same time they make changes to enable 6 GHz operation. They should add these changes to their amendment. It is arguably beyond our scope to be adding something in anticipation of 11ax changes.
        3. Note, confusion in the comments’ subclause reference, because the Table is actually part of 9.4.1.45 but physically appears inside 9.4.1.46 due to formatting.
        4. This change was made as part of Motion #70.
        5. From a process point of view, the Chair feels it would be cleaner to make all these changes in 11ax, and not in REVmd.
        6. Straw Poll: Do you want to resolve this comments in the proposed direction (Reject), or accept the comments in principle? Reject: 1 Accept: 6 Abstain: 2.
        7. Accepted on all CIDs. Ready for motion.
     2. CIDs 2113, 2114, 2638 (all MAC):
        1. Because this bit already existed and was Reserved, on legacy devices it will be clear (zero). The sense of the bit is to indicate the feature is not supported, because legacy devices will assume OCT is supported.
        2. CID 2638 is different, and needs more explanation.
        3. CIDs 2113 and 2114 (MAC): Rejected. As discussed in https://mentor.ieee.org/802.11/dcn/18/11-18-1324-05-000m-fixes-to-multi-band-operations.docx, this was done to be able to deal with legacy devices that implement OCT and which assume that OCT is always supported. Therefore, with the decision to make this feature optional, this setting of this field had to be 0 (not 1) when it comes to indication of support. See also the first paragraph of (11.32.5 On-channel Tunneling (OCT) operation).
        4. Ready for motion.
        5. CID 2638 (MAC): Reviewed text in 11.32.5, and considered legacy device behavior. A legacy device may or may not support OCT, but it isn’t signaled. So, agree with the comment, in general. But, deleting the text doesn’t work.
        6. Some belief that this isn’t a problem in the field. Consider a legacy device that attempts to perform OCT with a device that doesn’t support it. Such devices have to deal with this anyway (in legacy behavior). But, under legacy behavior support for OCT was required if multi-band was indicated.
        7. We believe this isn’t an issue in practice, as known existing implementations have already been updated to address this.
        8. CID 2638 (MAC): Will revisit next time.
  5. **Revisited CID 2507 (PHY):**
     1. Updated suggestion for resolution:
     2. Revised.
     3. Relative to D2.0:
        1. At 2637.31, change “into its IEEE 802.11 MAC” to “into the MAC”
        2. At 2764.44, change “into its IEEE 802.11 MAC” to “into the MAC”
     4. Relative to D2.2:
        1. Change “IEEE 802.11 STA” to “IEEE 802.11 MAC” at 2632.3/6 and 2635.53/56
     5. Ready for motion.
  6. **Adjourned**, 12:00 ET

**References:**

**Friday 24 May 2019:**

1. <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>
2. <https://mentor.ieee.org/802.11/dcn/19/11-19-0958-01-000m-2019-may-june-tgmd-teleconference-agendas.docx>
3. <http://www.ieee802.org/11/email/stds-802-11/msg03708.html>
4. <https://mentor.ieee.org/802.11/dcn/19/11-19-0656-03-000m-proposed-comment-resolutions-2309-2310.doc>
5. <https://mentor.ieee.org/802.11/dcn/19/11-19-0856-02-000m-resolutions-for-some-comments-on-11md-d2-0-lb236.docx>
6. <https://mentor.ieee.org/802.11/dcn/19/11-19-0856-03-000m-resolutions-for-some-comments-on-11md-d2-0-lb236.docx>
7. <https://mentor.ieee.org/802.11/dcn/19/11-19-0449-02-000m-revmd-lb236-gen-comments.xls>
8. <https://mentor.ieee.org/802.11/dcn/19/11-19-0958-02-000m-2019-may-june-tgmd-teleconference-agendas.docx>
9. <https://mentor.ieee.org/802.11/dcn/19/11-19-0261-07-000m-resolutions-to-s1g-phy.docx>
10. <https://mentor.ieee.org/802.11/dcn/19/11-19-0322-05-000m-lb236-comment-resolutions-montemurro.docx>
11. <https://mentor.ieee.org/802.11/dcn/19/11-19-0841-00-000m-cid-resolution.docx>