IEEE P802.11  
Wireless LANs

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| TGmd CRC 2020 July- August teleconference agendas | | | | |
| Date: 2020-08-06 | | | | |
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|  |  |  |  |  |

Abstract

This document contains the draft agenda for the July – August 2020 teleconference meetings.

R0: Initial draft, posted prior to the 2020-07-08 teleconference

R1: Includes updated CID list, header correction, prior to 2020-07-08 teleconference

R2: Includes updates per 2020-07-08 teleconference, prior to 2020-07-10 teleconference

R3: Includes updates per 2020-07-10 teleconference, Motion 209 results.

R4: Includes updates per 2020-07-15 teleconference

R5: Includes updates per 2020-07-17 teleconference

R6: Includes updates per 2020-07-22 teleconference, prepared motions

R7: Includes updates per 2020-07-22 teleconference, updated prepared motions

R8: Includes updates per 2020-07-24 teleconference, motion results

R9: Includes updates after 2020-07-29 teleconference

R10: Includes updates after 2020-07-29 teleconference

R11: Includes updates after 2020-08-03 teleconference

R12: Includes updates after 2020-08-04 teleconference

R13: Includes updates after 2020-08-05 teleconference, prepared motions

# 2020 July – August Teleconference Agendas

TGmd will hold teleconferences for the purpose of initial SA ballot comment resolution and presentations.

See the TGmd calendar entries at: <http://grouper.ieee.org/groups/802/11/>

**The draft agenda for the teleconferences is below:**

1.       Call to order, attendance (<https://imat.ieee.org/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.      Patent, Participation and policy related slides: See slides 4-19 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0323-00-0000-2nd-vice-chair-report-july-2020.pptx>

2.       Editor report – Emily QI/Edward AU – see https://mentor.ieee.org/802.11/dcn/19/11-19-2156. Total of 820 comments. See <https://mentor.ieee.org/802.11/dcn/17/11-17-0920-27-000m-802-11revmd-editor-s-report.ppt> .

D3.4 is available and includes resolution approved in May and June motions.

3.       Comment resolution

1. **2020-08-07 Friday 10 am Eastern 2 hours: Motions**
   1. **Motion: Approve the following minutes documents:**
      1. **July 22-24,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0915-02-000m-telecon-minutes-for-revmd-crc-june-17-19-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0915-02-000m-telecon-minutes-for-revmd-crc-june-17-19-2020.docx)
      2. **July 29-31,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0956-04-000m-telecon-minutes-for-revmd-crc-june-24-30-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0956-04-000m-telecon-minutes-for-revmd-crc-june-24-30-2020.docx)
      3. **Moved:**
      4. **Seconded:**
      5. **Result:**
   2. **Motion 224 –EDITOR (4 CIDs)**
      1. **Approve the comment resolutions in the “Motion-EDITOR-Y” tab in** : <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-11-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   3. **Motion 22x– EDITOR2 (1 CID)**
      1. **Approve the comment resolutions in the “Motion-EDITOR2-U” tab in** : <https://mentor.ieee.org/802.11/dcn/19/11-19-2160-12-000m-revmd-editor2-standards-association-ballot-comments.xlsx>
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   4. **Motion : 22x PHY (5 CIDs)**
      1. **Approve the comment resolutions in the “PHY Motion H” tab in https://mentor.ieee.org/802.11/dcn/20/11-20-0145-16-000m-sb1-revmd-phy-sec-comments.xlsx**
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   5. **Motion 22x– MAC (41 CIDs)**
      1. **Approve the comment resolutions in the “Motion MAC-AR” tab in** [**https://mentor.ieee.org/802.11/dcn/17/11-17-0927-63-000m-revmd-mac-comments.xls**](https://mentor.ieee.org/802.11/dcn/17/11-17-0927-63-000m-revmd-mac-comments.xls) **except for CIDs 4205 and 4206**
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   6. **Motion 22x – GEN (13 CIDs)**
      1. **Approve the comment resolutions in the “Gen Motion Aug 7” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls**](https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls) **except for CID 4001**
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   7. **Motion 22x– Additional fixes – Remove vestigial occurrences of "DLS" and “PCO” outside the MIB**
      1. **Incorporate the changes indicated in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0150-15-000m-assorted-crs-revmd-draft-3-0.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0150-15-000m-assorted-crs-revmd-draft-3-0.docx) **on page 3, under “CID y” and “CID z” “two issues were found”, pages 3 and 4**
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   8. **Motion 2xx– Additional fixes – Backoff procedure editing correction**
      1. **Incorporate the changes indicated in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1114-02-000m-revmd-backoff-procedure-correction.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1114-02-000m-revmd-backoff-procedure-correction.docx)
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   9. **Motion 2xx- Additional CDMG fixes**
      1. **Incorporate the changes indicated in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1136-00-000m-sb1-resolution-to-cid-4763.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1136-00-000m-sb1-resolution-to-cid-4763.docx) **after “two issues were found”, pages 3 and 4**
      2. **Moved:**
      3. **Seconded:**
      4. **Result:**
   10. **Motion 2xx– Insufficient Detail CIDs – EDITOR (3 CIDs)** 
       1. **Approve the comment resolutions in the “Insufficient Detail II” tab in** <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-11-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>
       2. **Moved:**
       3. **Seconded:**
       4. **Result:**
   11. **Motion 2xxx– CID 4229**
       1. **Resolve CID 4229 as “Rejected” with a resolution of “Many (most?) STAs are required to include all mandatory MCSs in (the proposed definition of) their operational MCS set. See** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1081-00-000m-operational-rates-and-mcss-8213-revmd-sb1-cid-4229.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1081-00-000m-operational-rates-and-mcss-8213-revmd-sb1-cid-4229.docx) **. The group discussed various possible modifications to the draft, including modifying the definition of operational rate set and modifying the cited note in 11.1.4.6 and a similar one in 10.3, to address related issues, but did not come to a consensus on any modification.”**
       2. **Moved:**
       3. **Seconded:**
       4. **Result:**
   12. **Motion 2xx – CIDs 4169, 4170 GEN Rejected CIDs**
       1. **Approve the comment resolutions in the “Gen Motion Rejects” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls**](https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls)
       2. **Moved:**
       3. **Seconded:**
       4. **Result:**
   13. **Motion – CIDs 4205, 4206**
       1. **Resolve CIDs 4205 and 4206 as “Revised” with a resolution of   
          “In D3.4, Table 9-153—AKM suite selectors, delete “using PSK” in the Key management type cell for the :2, :6 and :20 rows**

**In Table 9-153—AKM suite selectors, for the :11, :12 and :13 rows, at the bottom of the four rightmost cells, create a new merged cell with contents “NOTE—Restrictions apply to the use of this AKM suite selector that are outside the scope of this standard”**

* + 1. **Moved:**
    2. **Seconded:**
    3. **Result:**
  1. **Motion - CID 4266**
     1. **Resolve CID 4226 as “Rejected” with a resolution of “”**
     2. **Moved:**
     3. **Seconded:**
     4. **Result:**
  2. **Motion – CID 4001**
     1. **Approve the comment resolution for CID 4001 in the “Gen Motion Aug 7” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls**](https://mentor.ieee.org/802.11/dcn/20/11-20-0147-13-000m-sb1-revmd-gen-comments.xls)
     2. **Moved:**
     3. **Seconded:**
     4. **Result:**
  3. **Motion – CID 4001**
     1. **Resolve CIDs 4001 as “Rejected” with a resolution of “An AP contends for Beacons using AC\_VO with AISFN of 1 and CWmin of 3.  Hence, 1 in 4 Beacons can be sent at PIFS and 50% sent within DIFS or less.  This has been fine for decades.  No change is needed. Enabing all Beacon frames to be sent at PIFS introduces a major change with no real justification for any improvement - 5% collisions could occur, for an unclear advantage.”**
     2. **Moved:**
     3. **Seconded:**
     4. **Result:**
  4. **Motion 2xx– Remaining CIDs insufficient detail**
     1. **Resolve the following CIDs as “Rejected” with a resolution of “The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.”**
        1. **MAC CIDs: 4143, 4725, 4727, 4761, 4811**
     2. **Moved:**
     3. **Seconded:**
     4. **Result:**
  5. **Motion 2xx– Remaining CIDs previously discussed, rejected direction or no submission forthcoming**
     1. **Resolve CID 4378 as “Rejected” with a resolution of "The proposed change is insufficient; normative text describing how this list of integers is used or indexed, and when a worst case must be used, is required"**
     2. **Resolve CID 4017 as “Rejected” with a resolution of “The commenter's proposed change is not complete - need to clarify why DMG in sequence and needs to be invoked by parent sequence”**
     3. **Resolve CID 4018 as “Rejected” “The commenter’s proposed change was reviewed. The change, applied at the cited location is not technically correct.”**
     4. **Resolve CID 4109 as “Rejected” with a resolution of “No issue is identified in the comment. The current text is accurate.”**
     5. **Moved:**
     6. **Seconded:**
     7. **Result:**
  6. **Motion 2xx– Remaining CIDs previously discussed, revised direction** 
     1. **Resolve CID 4416 as “Revised” with a resolution of "Make the changes specified in 11-20/150r17 <**[**https://mentor.ieee.org/802.11/dcn/20/11-20-0150-17-000m-assorted-crs-revmd-draft-3-0.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0150-17-000m-assorted-crs-revmd-draft-3-0.docx)**> for CID 4271. Note to commenter:  Instead of making these entries read-only, the dot11EDCATable MIB attributes are modified so they can also be used at the AP to define the EDCA parameters to be communicated to the non-AP STAs. "**
     2. **Resolve CIDs 4389, 4390 as "Revised", with a resolution of "Incorporate the text changes in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0647-00-000m-sa-ballot-1-cid-4389-and-4390-two-staaddress-parameter.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0647-00-000m-sa-ballot-1-cid-4389-and-4390-two-staaddress-parameter.docx)**which modify the text to indicate two distinct STA addresses"**
     3. **Resolve CID 4035 as “Revised” with a resolution of “Add dot11RSNAStatsGCMPReplays and dot11RSNAStatsRobustMgmtGCMPReplays to Dot11RSNAConfigEntry and dot11RSNBase2.”**
     4. **Moved:**
     5. **Seconded:**
     6. **Result:**
  7. **Motion - CID 4108**
     1. **Resolve CID 4108 as “Revised” with a resolution of “Incorporate the changes in doc 11-20/143r0 <**[**https://mentor.ieee.org/802.11/dcn/20/11-20-0143-00-000m-proposed-resolution-for-cid-4108.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0143-00-000m-proposed-resolution-for-cid-4108.docx)**> which adds lower 45MHz of 5.9 band.**
     2. **Moved**
     3. **Seconded:**
     4. **Result:**
  8. **Motion: Resolve the following CIDs as indicated:**
     + 1. **CID 4077 as “” with a resolution of “”**
       2. **CID 4564**
       3. **CID 4572**
       4. **CID 4648**
       5. **CID 4687**
       6. **CID 4701**
       7. **CID 4707**
       8. **CID 4272**
       9. **CID 4082**
     1. **Moved:**
     2. **Seconded:**
     3. **Result:**
  9. **SA Ballot Recirculation Motion**
     1. **Having approved comment resolutions for all of the comments received from the initial SA ballot on P802.11REVmd as indicated in document** [**https://mentor.ieee.org/802.11/dcn/19/11-19-2156-16-000m-revmd-sponsor-ballot-comments.xls**](https://mentor.ieee.org/802.11/dcn/19/11-19-2156-16-000m-revmd-sponsor-ballot-comments.xls) **and as indicated by motion in this document** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1001-12-000m-2020-july-august-agendas.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1001-12-000m-2020-july-august-agendas.docx) **,**
     2. **Instruct the editor to prepare Draft 4.0 incorporating these resolutions and**
     3. **Approve a 15 day Sponsor Recirculation Ballot asking the question “Should P802.11REVmd D4.0 be forwarded to RevCom?”**
     4. **Moved:**
     5. **Seconded:**
     6. **Result:**

1. **Announce next set of teleconferences:** 
   1. **Week August 17th:  
      Week August 24th:**

4.       AOB

Review TGmd schedule –target D 4.0 in August; D5.0 in September

(August 7th motion for recirculation, August 21 – Editors have draft, 15 day recirc, end by September 8. 🡨 update

Hold several meetings during September plenary for comment resolution.

Sept – D5.0 Unchanged recirc

28 Sept – Unchanged recirc must start

6 Oct – 802 EC Aproval, Draft TGme PAR (next revision)

13 October – Draft to RevCom

2020 Dec RevCom/SASB

5. Adjourn

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

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Teleconferences are subject to applicable policies and procedures, see <https://mentor.ieee.org/802.11/dcn/19/11-19-2145-00-0000-2nd-vice-chair-report-january-2020.pptx> and below.

**IEEE Code of Ethics**

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

**IEEE Standards Association (IEEE-SA) Affiliation FAQ**

<http://standards.ieee.org/faqs/affiliation.html>

**IEEE SA Copyright Policy**, see Clause 7 of the IEEE SA Standards Board Bylaws, [https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7](https://standards.ieee.org/about/policies/bylaws/sect6-7.html) , and Clause 6.1 of the IEEE SA Standards Board Operations Manual, <https://standards.ieee.org/about/policies/opman/sect6.html>

**Antitrust and Competition Policy**

<http://standards.ieee.org/resources/antitrust-guidelines.pdf>

**Letter of Assurance Form**

[http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#loa](http://standards.ieee.org/develop/policies/bylaws/sect6-7.html)

[https://development.standards.ieee.org/myproject/Public//mytools/mob/loa.pdf](http://standards.ieee.org/board/pat/pat-slideset.ppt)

**IEEE-SA Patent Committee FAQ & Patent slides**

<http://standards.ieee.org/board/pat/faq.pdf> and <http://standards.ieee.org/board/pat/pat-slideset.ppt>

**The current version of the IEEE-SA Standards Board Bylaws is available at:**

<http://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf> (PDF version)

**The current version of the IEEE-SA Standards Board Operations Manual is available at:**

<http://standards.ieee.org/develop/policies/opman/sb_om.pdf> (PDF version)

**IEEE 802 Policies & Procedures (Approved June 2014)**

<http://standards.ieee.org/board/aud/LMSC.pdf>

**IEEE 802 Operations Manual (Effective 28 May 2020)**

<https://mentor.ieee.org/802-ec/dcn/17/ec-17-0090-23-0PNP-ieee-802-lmsc-operations-manual.pdf>  
  
**IEEE 802 Working Group Policies & Procedures (29 July 2016)**

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

**IEEE 802 LMSC Chair's Guidelines (Approved 13 July 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 Operations Manual (Approved 13 July 2018):**

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

* **The** [**IEEE-SA Standards Board Bylaws**](http://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) **require that “participants in the IEEE standards development individual process shall act based on their qualifications and experience”**
* **This means participants:**
  + **Shall act & vote** based on their personal & independent opinions derived from their expertise, knowledge, and qualifications
  + **Shall not act or vote** based on any obligation to or any direction from any other person or organization, including an employer or client, regardless of any external commitments, agreements, contracts, or orders
  + **Shall not direct** the actions or votes of other participants or retaliate against other participants for fulfilling their responsibility to act & vote based on their personal & independently developed opinions
* **By participating in standards activities using the “*individual process*”, you are deemed to accept these requirements; if you are unable to satisfy these requirements then you shall immediately cease any participation**

**Prior agendas and motions**

See:

* <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-29-000m-2020-april-july-teleconference-agendas.docx>
* <https://mentor.ieee.org/802.11/dcn/20/11-20-0234-20-000m-2020-jan-mar-teleconference-and-adhoc-agendas.docx>

1. **2020-07-08 Wednesday 4-6pm Eastern 2 hours**
   1. Mark HAMILTON – MAC CIDs, <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-12-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>
   2. Mark Rison CIDs 4277, 4423, 4178/4575/4576, 4717/4718, 4746, 4394/4395, 4696, 4229/4266, 4625 additional changes related to. See <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-06-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>   
      Still under development: 4293, 4298/4299, 4694 (also Graham in 11-20-272).
   3. Matthew Fischer <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-17-000m-cr-mscs-and-cid4158.docx> CID 4159; 4158 previously motioned is updated.
2. **2020-07-10 Friday 10 am Eastern 2 hours** 
   1. **Motion 209** – **CID 4695, due to coordination with 11ax changes**
      1. **Resolve CID 4695 as “Revised” with a resolution of “Incorporate the changes in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0320-03-000m-resolution-for-cid-4695.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0320-03-000m-resolution-for-cid-4695.docx) **which restrict use of the Filtered Neighbor AP subfield to TVHT APs.**
      2. **Moved: Abhi Patil**
      3. **Seconded: Stephen McCann**
      4. **Result: 9-0-0 Passes**
   2. Stephen MCCANN – CIDs 4096, 4097 <https://mentor.ieee.org/802.11/dcn/20/11-20-0820-02-000m-gas-and-rlqp-comments-proposed-resolutions.doc>
   3. Assaf KASHER – xDMG CIDs, <https://mentor.ieee.org/802.11/dcn/20/11-20-0929-00-000m-sb1-resolution-to-some-xdmg-cids.docx>
   4. Menzo WENTINK – including CIDs 4725, 4438, 4439, <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-13-000m-assorted-crs-revmd-draft-3-0.docx>, <https://mentor.ieee.org/802.11/dcn/20/11-20-0650-02-000m-cids-4438-4439-delete-ht-delayed-block-ack.docx>
   5. Jon ROSDAHL – GEN CIDs
3. **2020-07-15 Wednesday 4-6pm Eastern 2 hours – July Plenary meeting**
   1. Youhan KIM – CID 4710, 4569
   2. Mark RISON – CIDs 4629, 4630, 4395, 4363, 4137
   3. Mark RISON CIDs 4746, 4394/4395, 4696, 4229/4266, 4625 additional changes related to. See <https://mentor.ieee.org/802.11/dcn/20/11-20-0435>

Also see <https://mentor.ieee.org/802.11/dcn/20/11-20-1081-00-000m-operational-rates-and-mcss-8213-revmd-sb1-cid-4229.docx> re: CIDs 4229, 4266  
Still under development: 4293, 4298/4299, 4694 (also Graham in 11-20-272).

* 1. Michael MONTEMURRO – PHY CIDs – 4671, 4694
  2. Jon ROSDAHL – GEN CIDs

1. **2020-07-17 Friday 10 am Eastern 2 hours** 
   1. Emily QI – CID 4050 <https://mentor.ieee.org/802.11/dcn/20/11-20-0947>
   2. Mark RISON – CID 4087, 4756, 4286 (July 29), 4137 (July 22), 4629, 4630, 4363, 4229/4266 (July 22), 4293, 4298/4299 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0435>
   3. Assaf KASHER – CID 4463, <https://mentor.ieee.org/802.11/dcn/20/11-20-0929>
   4. Gaurav PATWARDHAN - non-AP STA TXOP frame bursting, <https://mentor.ieee.org/802.11/dcn/20/11-20-1076-01-000m-non-ap-sta-txop-frame-bursting.pptx> and <https://mentor.ieee.org/802.11/dcn/20/11-20-1104-01-000m-proposed-changes-in-scs-10-23-2-2-and-10-23-2-9.docx>
   5. Menzo WENTINK – including CIDs 4761 (July 22), 4725, <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-13-000m-assorted-crs-revmd-draft-3-0.docx>, <https://mentor.ieee.org/802.11/dcn/20/11-20-1038-00-000m-edca-and-hcca.docx>
2. **2020-07-22 Wednesday 4-6pm Eastern 2 hours**
   1. Emily QI – CID 4050 <https://mentor.ieee.org/802.11/dcn/20/11-20-0947>
   2. Menzo WENTINK – including CIDs 4761 4811, 4764, 4762, 4315 https://mentor.ieee.org/802.11/dcn/20/11-20-0150-15-000m-assorted-crs-revmd-draft-3-0.docx, <https://mentor.ieee.org/802.11/dcn/20/11-20-1038-00-000m-edca-and-hcca.docx>
   3. Osama ABOUL-MAGD - https://mentor.ieee.org/802.11/dcn/20/11-20-0814-02-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx
   4. Mark HAMILTON – MAC CIDs 4479, 4677, <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-14-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx> and <https://mentor.ieee.org/802.11/dcn/20/11-20-1114-01-000m-revmd-backoff-procedure-correction.docx>
   5. Graham Smith CID 4694 <https://mentor.ieee.org/802.11/dcn/20/11-20-0272-10-000m-cids-from-mike-to-graham-2.docx>
   6. Mark Rison – CIDs 4565, 4616, 4620, and 4623 for direction, 4137, 4808 (re-visit), 4229/4266, see <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-07-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx> - out of time
3. **2020-07-24 Friday 10 am Eastern 2 hours –** 
   1. **Motion: Approve the following minutes documents:**
      1. **June 17-19,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0915-02-000m-telecon-minutes-for-revmd-crc-june-17-19-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0915-02-000m-telecon-minutes-for-revmd-crc-june-17-19-2020.docx)
      2. **June 24-30,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0956-04-000m-telecon-minutes-for-revmd-crc-june-24-30-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0956-04-000m-telecon-minutes-for-revmd-crc-june-24-30-2020.docx)
      3. **July 8-10,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1030-02-000m-telecon-minutes-for-revmd-crc-july-8-10-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1030-02-000m-telecon-minutes-for-revmd-crc-july-8-10-2020.docx)
      4. **July 15,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1099-00-000m-telecon-minutes-for-revmd-crc-july-15-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1099-00-000m-telecon-minutes-for-revmd-crc-july-15-2020.docx)
      5. **July 17,** [**https://mentor.ieee.org/802.11/dcn/20/11-20-1111-00-000m-telecon-minutes-for-revmd-crc-july-17-2020.docx**](https://urldefense.proofpoint.com/v2/url?u=https-3A__mentor.ieee.org_802.11_dcn_20_11-2D20-2D1111-2D00-2D000m-2Dtelecon-2Dminutes-2Dfor-2Drevmd-2Dcrc-2Djuly-2D17-2D2020.docx&d=DwMFaQ&c=C5b8zRQO1miGmBeVZ2LFWg&r=NTHtA_KHOOrju0kuqznMMhn2PgeiJdiVcWeUfvVgSN4&m=3GFoJbsxnMAXaL3PReiJvXXr6VuGv2RwEXMx2DX8hrU&s=ikIsU5BS3nYZ2ywPBYgW2MhDiokKkNWUZ0ihVHQy174&e=)
      7. **Moved: Michael Montemurro**
      8. **Seconded: Edward Au**
      9. **Result: Unanimous**
   2. **Motion 210 – EDITOR (3+1 CIDs)** 
      1. **Approve the comment resolutions in the “Motion-EDITOR-W” and “Motion-EDITOR-X” tabs in** : <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-10-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>
      2. **Moved: Emily Qi**
      3. **Seconded: Stephen McCann**
      4. **Result: Unanimous**
   3. **Motion 211: PHY ( 25 CIDs)**
      1. **Approve the comment resolutions in the “PHY Motion G” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx)**, except for 4669, 4683, 4671, 4728, 4682, 4463**
      2. **Moved: Edward Au**
      3. **Seconded: Michael Montemurro**
      4. **Result: 18-0-1 Passes**
   4. **Motion 212: PHY (6 CIDs)**
      1. **Approve the comment resolutions in the “PHY Motion G” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx)**, for 4669, 4683, 4671, 4728, 4682, 4463, Changing the resolution for CID 4463 to refer to R6 of 11-20-0929 (not R2)**
      2. **Moved: Assaf Kasher**
      3. **Seconded: Michael Montemurro**
      4. **Result: 15-1-4 Passes**
   5. **Motion 213 – GEN (6 CIDs)**
      1. **Approve the comment resolutions in the “Motion GEN for July 24” tab in** <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-12-000m-sb1-revmd-gen-comments.xls>
      2. **Moved: Jon Rosdahl**
      3. **Seconded: Emily Qi**
      4. **Result: Unanimous**
   6. **Motion 214– MAC (19 CIDs)**
      1. **Approve the comment resolutions in the “Motion MAC-AQ” tab in** [**https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls**](https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls) **Except for CIDs 4444 and 4746**
      2. **Moved: Stephen McCann**
      3. **Seconded: Joseph Levy**
      4. **Result: Unanimous**
   7. **Motion 215 – MAC CIDs – CID 4159**
      1. **Approve the comment resolutions in the “Motion MAC-MSCS in Assoc” tab in** [**https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls**](https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls)
      2. **Moved: Matthew Fischer**
      3. **Seconded: Mark Hamilton**
      4. **Result: 15-0-4 Passes**
   8. **Motion 216 – MAC CID 4444 and 4746**
      1. **Approve the comment resolutions in the “Motion MAC-AQ” tab in** [**https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls**](https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls) **for CIDs 4444 and 4746**
      2. **Moved: Michael Montemurro**
      3. **Seconded: Stephen McCann**
      4. **Result: 11-2-6 Passes**
   9. **Motion 217 – Insufficient Detail CIDs – EDITOR (10 CIDs) & EDITOR2 (1 CID)**
      1. **Approve the comment resolutions in the “Motion-EDITOR2-T” tab in** [**https://mentor.ieee.org/802.11/dcn/19/11-19-2160-11-000m-revmd-editor2-standards-association-ballot-comments.xlsx**](https://mentor.ieee.org/802.11/dcn/19/11-19-2160-11-000m-revmd-editor2-standards-association-ballot-comments.xlsx) **and   
         Approve the comment resolutions in the “Insufficient Detail” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0010-10-000m-revmd-sa1-comments-for-editor-ad-hoc.xls**](https://mentor.ieee.org/802.11/dcn/20/11-20-0010-10-000m-revmd-sa1-comments-for-editor-ad-hoc.xls)
      2. **Moved: Emily Qi**
      3. **Seconded: Edward Au**
      4. **Result: Unanimous**
   10. **Motion – 218 Insufficient Detail CIDs – PHY (41 CIDs)**
       1. **Approve the comment resolutions in the “Insufficient Details” tab in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0145-14-000m-sb1-revmd-phy-sec-comments.xlsx) **Except for CID 4751**
       2. **Moved: Michael Montemurro**
       3. **Seconded: Assaf Kasher**
       4. **Result: 12-4-3 Passes**
       5. **Information: CID 4751 is on same topic as CID 4146 (Osama) under discussion**
   11. **Motion – 219 Insufficient Detail CIDs – GEN (18 CIDs)**
       1. **Approve the comment resolutions in the “Insufficient Details Motion” tab in** <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-12-000m-sb1-revmd-gen-comments.xls>
       2. **Moved: Jon Rosdahl**
       3. **Seconded: Stephen McCann**
       4. **Result: 11-3-4 Passes**
   12. **Motion 220– Insufficient Detail– MAC (7 CIDs)**
       1. **Approve the comment resolutions in the “Motion MAC Insufficient detail” tab in** <https://mentor.ieee.org/802.11/dcn/17/11-17-0927-62-000m-revmd-mac-comments.xls>
       2. **Moved: Emily Qi**
       3. **Seconded: Dan Harkins**
       4. **Result: Unanimous**
   13. **Motion 221: Random SAE fixes**
       1. **Incorporate the text changes in the “Proposed Change” sections in** [**https://mentor.ieee.org/802.11/dcn/20/11-20-0725-01-000m-random-sae-comments.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0725-01-000m-random-sae-comments.docx) **into the TGmd draft**
       2. **Moved: Dan Harkins**
       3. **Seconded: Jouni Malinen**
       4. **Result: 16-0-4 Passes**

* 1. **Motion 222– RSNXE interoperability fixes**
     1. **Incorporate the text changes in https://mentor.ieee.org/802.11/dcn/20/11-20-0332-04-000m-rsnxe-interoperability-issue.docx into the TGmd draft.**
     2. **Moved: Jouni Malinen**
     3. **Seconded: Dan Harkins**
     4. **Result: Unanimous**
  2. **Motion 223– CID 4155**
     1. **Resolve CID 4155 as “Revised” with a resolution of “Make the changes as shown in 11-19/1564r9 (**[**https://mentor.ieee.org/802.11/dcn/19/11-19-1564-09-000m-originator-block-ack-state.docx**](https://urldefense.proofpoint.com/v2/url?u=https-3A__mentor.ieee.org_802.11_dcn_19_11-2D19-2D1564-2D09-2D000m-2Doriginator-2Dblock-2Dack-2Dstate.docx&d=DwQFaQ&c=C5b8zRQO1miGmBeVZ2LFWg&r=NTHtA_KHOOrju0kuqznMMhn2PgeiJdiVcWeUfvVgSN4&m=POVLg3M2Znkp6qfIOeBvf3EvHRwVQ8iGTlkA3OLPjmM&s=_VPtSmdnZqG4v9G1aeaJxydeI7q5DPr9nv4XCjZ6DCI&e=)**).  This clarifies the text for block ack state processing, as requested.”**
     2. **Moved: Michael Montemurro**
     3. **Seconded: Edward Au**
     4. **Result: Unanimous**
  3. Graham Smith CID 4694 <https://mentor.ieee.org/802.11/dcn/20/11-20-0272-10-000m-cids-from-mike-to-graham-2.docx>
  4. Mark Rison – CIDs 4565, 4616, 4620, and 4623 for direction, 4137, 4808 (re-visit), 4229/4266, see <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-07-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx> also 4113, 4247, 4629, 4602, 4527, 4525, 4523, 4477, 4220, 4699
  5. Menzo WENTINK – including CIDs 4725, 4143, 4761, 4811 <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-15-000m-assorted-crs-revmd-draft-3-0.docx>, Out of time

1. **2020-07-29 Wednesday 4-6pm Eastern 2 hours**
   1. Mallory KNODEL, revisit CID 4499 <https://mentor.ieee.org/802.11/dcn/20/11-20-1137-01-000m-revisiting-cid4499-11md-d3-0-exclusionary-language.docx>
   2. Mark RISON – CID 4286 (EAP Terminology)
   3. Guido HIERTZ – CID 4003, <https://mentor.ieee.org/802.11/dcn/20/11-20-1116-01-000m-resolution-to-cid-4003.docx>
   4. Osama ABOUL-MAGD - <https://mentor.ieee.org/802.11/dcn/20/11-20-0814-02-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx> also CID 4751
   5. Jon ROSDAHL – GEN CIDs – 4161, 4685, 4583, 4550, 4515, 4458
2. **2020-07-31 Friday 10 am Eastern 2 hours** 
   1. Mark HAMILTON – MAC CIDs – 4370, 4653, 4652
   2. Graham Smith CID 4694 <https://mentor.ieee.org/802.11/dcn/20/11-20-0272-12-000m-cids-from-mike-to-graham-2.docx>
   3. Mark RISON, Youhan KIM – CID 4137
   4. Assaf KASHER – CID 4763
   5. Mark Rison – CIDs 4618, 4565, 4616, 4620, and 4623 for direction, 4655, 4656, 4657, 4662, 4808 (re-visit), 4229/4266, see https://mentor.ieee.org/802.11/dcn/20/11-20-0435-08-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx also 4113, 4247, 4629, 4602, 4527, 4525, 4523, 4477, 4220, 4699
3. **2020-08-03 Monday 3-5pm Eastern 2 hours**
   1. Edward AU – CID 4162, see <https://mentor.ieee.org/802.11/dcn/20/11-20-0634-01-000m-resolution-for-gen-cids-4162-4256-4122-and-4102.docx> al
   2. Mark Hamiton
      1. MAC CIDs 4723, 4422, 4154 (resolve with Mark Rison’s CIDs)
      2. CIDs 4806, 4805 – prepare reject for insufficient detail if resolution not available - to Tuesday
      3. CIDs 4708 and 4709 – prepare reject for insufficient detail if resolution not available
      4. CID 4700
      5. CID 4205 – prepare reject for insufficient detail if resolution not available - Rison
      6. CID 4206 - Rison
      7. <https://mentor.ieee.org/802.11/dcn/20/11-20-1167-00-000m-timely-link-quality-feedback.pptx> and <https://mentor.ieee.org/802.11/dcn/20/11-20-1168-00-000m-timely-link-quality-feedback-text.docx>
      8. Prepare reject for insufficient detail if complete resolutions not available: 4135, 4149, 4263, 4353, (4154, 4365, 4364, 4574) 4379, 4516, 4529, 4557, 4566, 4571, 4574, 4636, 4637, 4659, 4744, 4745
   3. Graham Smith CID 4694 <https://mentor.ieee.org/802.11/dcn/20/11-20-0272-12-000m-cids-from-mike-to-graham-2.docx>
   4. Matthew FISCHER – CID 4157, <https://mentor.ieee.org/802.11/dcn/19/11-19-1778-05-000m-india-ch-167-169-173.pptx>
   5. Mark Rison – CIDs 4229/4266, 4616, 4620, and 4623 for direction, 4808 (re-visit), see <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-10-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
   6. Menzo WENTINK – including CIDs 4725, 4143, 4761, 4811 <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-17-000m-assorted-crs-revmd-draft-3-0.docx>,
4. **2020-08-04 Tuesday 3-5pm Eastern 2 hours**
   1. Mark Hamilton MAC CIDs: 4723, 4806, 4805
   2. Osama ABOUL-MAGD - <https://mentor.ieee.org/802.11/dcn/20/11-20-0814-02-000m-proposed-resolutions-to-cids-4145-4146-and-4147.docx> also 4751
   3. Jon ROSDAHL – GEN CIDs, including 4458, also 4783 (Edward Au), 4034
   4. <https://mentor.ieee.org/802.11/dcn/20/11-20-1172-00-000m-proposed-resolution-for-cid-4783.docx>
   5. Mark Rison – CIDs 4205, 4206, [4574, 4364, 4365, 4154], 4565, 4263, 4353, 4379, 4516, 4557, 4566, 4574, 4229/4266, 4808 (already motioned, additional changes) see <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-10-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
5. **2020-08-05 Wednesday 4-6pm Eastern 2 hours**
   1. Mark Hamilton – CIDs 4081, 4082, 4080
   2. Matthew Fischer – CID 4036, <https://mentor.ieee.org/802.11/dcn/20/11-20-1182-02-000m-s1g-eu-new-band.pptx>
   3. Jon ROSDAHL – GEN CIDs, 4001, 4169, 4170, 4149 also 4783 (Edward Au) <https://mentor.ieee.org/802.11/dcn/20/11-20-1172-01-000m-proposed-resolution-for-cid-4783.docx>
   4. Mark Rison – CIDs 4205, 4206, 4263, 4353, 4560, 4379, 4516, 4557, 4451, 4566, 4229/4266, 4272, 4527, 4648, 4564, 4687, 4707, 4560, 4808 (already motioned, additional changes) see <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-10-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
   5. Menzo WENTINK – including CIDs 4725, 4143, 4761, 4811 <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-17-000m-assorted-crs-revmd-draft-3-0.docx>

Out of time

* 1. Gaurav PATWARDHAN - non-AP STA TXOP frame bursting, <https://mentor.ieee.org/802.11/dcn/20/11-20-1076-01-000m-non-ap-sta-txop-frame-bursting.pptx> and <https://mentor.ieee.org/802.11/dcn/20/11-20-1104-01-000m-proposed-changes-in-scs-10-23-2-2-and-10-23-2-9.docx> Out of time

**References:**