IEEE P802.11  
Wireless LANs

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| Telecon Minutes for REVmd CRC- April 15 and 17 2020 | | | | |
| Date: 2020-04-17 | | | | |
| Author(s): | | | | |
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Abstract

Minutes for the 802.11md REVmd CRC teleconferences for April 15 and 17, 2020.

R0: April 15 Minutes

R1: April 17 Minutes

1. **IEEE 802.11md REVmd CRC Telecon Wednesday April 15, 2020 16:00-18:00 ET**
   1. **Called to order at 4:03pm** by the TG Chair Dorothy STANLEY (HPE)
   2. **Review Patent and Participation Policy**
      1. No Issues noted.
   3. **Attendance:** -please log with IMAT:
      1. WebEx reported 13 on call
      2. IMAT Attendance Report:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | TGmd | 4/15 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 4/15 | Bhandaru, Nehru | Broadcom Corporation |
|  | TGmd | 4/15 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 4/15 | Derham, Thomas | Broadcom Corporation |
|  | TGmd | 4/15 | Fischer, Matthew | Broadcom Corporation |
|  | TGmd | 4/15 | Hamilton, Mark | Ruckus Wireless |
|  | TGmd | 4/15 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 4/15 | Montemurro, Michael | BlackBerry |
|  | TGmd | 4/15 | Qi, Emily | Intel Corporation |
|  | TGmd | 4/15 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 4/15 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 4/15 | Stanley, Dorothy | Hewlett Packard Enterprise |
|  | TGmd | 4/15 | Yu, Mao | NXP Semiconductors |

* 1. **Review Agenda**: 11-20/535r2:

* + 1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-02-000m-2020-april-july-teleconference-agendas.docx>
    2. **The draft agenda for the teleconferences is below:**

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.      Patent, Participation slides: See slides 5-12 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>

c. Adhoc meeting reminders:

April 21-23 Cambridge UK – Not in person; teleconference proposal is below.

2.       Editor report – Emily QI/Edward AU

3.       Comment resolution

e. 2020-04-15 Wednesday – 4:00-6pm Eastern \*\*\*\*\*Teleconference announced with 10-day notice\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*(London is +5)

i. Jon ROSDAHL – GEN CIDs

ii. Mark RISON - CIDs – 60 minutes

1. Nehru BHANDARU - CID 4204 – 11-20/246r8

4. Adjourn

* + 1. Discussion on when Motions are planned.
    2. Adjust to have Nehru be first today.
    3. No objection to the planned agenda:
  1. **Editor Report:** Emily QI (INTEL)
     1. No update for today.
  2. **Review doc 11-20/246r8** – Nehru BHANDARU (Broadcom)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0246-08-000m-d30crs.docx>
     2. CID 4204 (PHY)
        1. Review the changes from R7
        2. Proposed Resolution: REVISED (PHY: 2020-04-15) - Incorporate the changes in 11-20/246r9 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0246-09-000m-d30crs.docx>> under "4204 Discussion" which resolve the comment in the direction of the proposed resolution.; Note to Editors: The changes start on page 12 of the document.
        3. New Comment group starts today.
        4. Discussion on why we deleted “or PMKSA caching” was deleted in row 13 and not 3; also, in row 16 and 17.
           1. Determined to undelete the deletion of “or PMKSA caching”
  3. **AdHoc List of CIDS** - Mark RISON
     1. CID 4229 (MAC)
        1. This is assigned to Sean COFFEY - Assign to April 23 Telecon
     2. CID 4245 (MAC)
        1. Discussion on this CID is included in 11-20/435 document.
        2. See Doc 11-20/435r1:
        3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
        4. Review comment
        5. Review submission discussion and proposed changes.
        6. Proposed Resolution: REVISED (MAC: 2020-04-15 20:39:47Z): Make the changes shown under “Proposed changes” for CID 4245 in 11-20/0435r1 (https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx), which clarify that the EDCA Parameter Set element is not used in MBSSes, and that S1G STAs are not used in MBSSes.
        7. No objection – Mark Ready for Motion
     3. CID 4259 (MAC)
        1. Review comment
        2. Review Proposed Change:

In 9.3.2.1.1 change

“Data frames with a 1 in the QoS subfield of the Subtype subfield are collectively referred to as QoS Data frames. Each of these data subtypes contains QoS in their names, and this frame format is distinguished by the presence of a QoS Control field in the MAC header.”

to

“Data frames that are distinguished by the presence of a QoS Control field in the MAC header have the QoS subfield of the Subtype subfield set to 1 and contain QoS in their names.

Depending on the context, QoS Data frame either refers to any such frame, or refers specifically to the Data frame with subtype 1000. References nearby to other specific Data frames with QoS in their name (e.g. QoS Null or QoS Data +CF-Poll) typically suggest the latter interpretation.”

* + - 1. Discussion on the proposed change.
      2. Discussion on ways to simplify the wording.
      3. Posable Resolution: Revised; In 9.3.2.1.1, at 846.43 (D3.0) change Data frames with a 1 in the QoS subfield of the Subtype subfield are collectively referred to as QoS Data frames. Each of these data subtypes contains QoS in their names, and this frame format is distinguished by the presence of a QoS Control field in the MAC header. to Data frames with the QoS subfield of the Subtype subfield set to 1 contain QoS in their names and contain a QoS Control field in the MAC header. Depending on the context, QoS Data frame either refers to any such frame, or refers specifically to the Data frame with subtype 1000. References nearby to other specific Data frames with QoS in their name (e.g. QoS Null or QoS Data +CF-Poll) typically suggest the latter interpretation.
      4. Need to have the italics made, so this will be included in 11-20/435r2 and will be ready for motion.
      5. Proposed Resolution: REVISED (MAC: 2020-04-15 20:54:37Z): Make the changes shown under “Proposed changes” for CID 4259 in 11-20/0435r2 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-02-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>).
      6. Mark Ready for Motion
    1. CID 4263 (MAC)
       1. Proposed Resolution: Reject – Insufficient Detail
       2. Mark needs more time. otherwise Insufficient detail.
    2. CID 4269 (MAC)
       1. Assigned to Alfred – on future Agenda
    3. CID 4343 (MAC)
       1. Review Comment
       2. Review Minutes from Sunrise AdHoc.
       3. Proposed Resolution: Reject – Insufficient Detail
       4. Mark needs more time. otherwise Insufficient detail.
    4. CID 4345 (MAC)
       1. It is assigned to Menzo
       2. ACTION ITEM: Mark Hamilton – check with Menzo for Status.
    5. CID 4353 (MAC)
       1. Proposed Resolution: Reject – Insufficient Detail
       2. Mark needs more time. otherwise Insufficient detail.
    6. CID 4361 and 4362 (MAC)
       1. In the AdHoc, a rejection was to be crafted.
       2. Comment is Assigned to Mark RISON
       3. Reviewed Sunrise minutes – history.
       4. Need Volunteer to craft the Rejection Reason.
       5. Action Item: Dorothy to craft Rejection Reason
       6. Assign Comments to Dorothy
    7. CID 4364 and 4365 (MAC)
       1. Review comment
       2. Action item from Sunrise AdHoc – Mark RISON to contact Menzo and Mark HAMILTON about these CIDs.
       3. Proposed Resolution: Reject – Insufficient Detail
       4. Mark needs more time. otherwise Insufficient detail.
    8. CID 4379 (MAC)
       1. Assigned to Mark RISON
    9. CID 4381 (MAC)
       1. Already Motioned See Motion #167
    10. CID 4393 (MAC)
        1. Already motioned See Motion #173
    11. CID 4400 (MAC)
        1. Already motioned See Motion #173
    12. CID 4413 (MAC)
        1. Proposed Resolution: Reject – Insufficient Detail
        2. Mark needs more time. otherwise Insufficient detail.
    13. CID 4432 (MAC)
        1. In doc 11-20/435r1
        2. CID 4432 was discussed on March 11. 1.6.4.5 ACTION ITEM: Mark RISON to check the “Announce” frames and the TA vs RA description.
        3. The Claim was that the frames being broadcast is described in Clause 9 in the respective frame format clause.
        4. ACTION ITEM: Matthew FISCHER to look for reference and send to Mark RISON.
  1. **GEN CIDs –**- Jon ROSDAHL (Qualcomm)
     1. see doc 11-20/147r6
        1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-06-000m-sb1-revmd-gen-comments.xls>
     2. CID 4013 (GEN)
        1. No discussion.
        2. Proposed Resolution: REVISED. MEC requirements were met – no changes required.
        3. Mark Ready for Motion
     3. CID 4014 (GEN)
        1. We should verify that LPD is correct for Europe in the ITS band.
        2. ACTION: Mike MONTEMURRO (BlackBerry) to verify.
        3. Proposed Resolution: REVISED (GEN: 2020-04-15 21:24:22Z) - Change a) to: In the 5.9 GHz band in the United States (see E.2.3 (5.9 GHz band in the United States (5.850-5.925 GHz))) use EPD.
        4. Mark Ready for motion
     4. CID 4017 (GEN)
        1. The page and line number are 4399.30.
        2. It’s not clear why there are references to DMG in a VHT TXOP sequence.
        3. The sequence needs to be invoked by a parent sequence.
        4. The proposed change looks to be correct, but the change is not complete.
        5. Assign to Harry BIMS.
        6. In 4398.35, there is an extraneous “h)” – note to Editor to remove as an editorial change.
        7. Adhoc status to Submission required
     5. CID 4018 (GEN)
        1. This CID provides the invocation that was missing in the resolution to 4017.
        2. This resolution should be included on 4398.34.
        3. A submission is required for CID 4017 and CID 4018.
        4. Assign to Harry BIMS.
        5. Adhoc status to Submission required.
     6. CID 4035 (GEN)
        1. It would appear that the change is not clear.
     7. Adhoc status to Submission required.
     8. ASSIGN to Yongho SEOK
     9. CID 4045 (GEN)
        1. “mesh peering” should be lower case in this context.
        2. There are additional locations such as: 591.24, 592.07, and 593.36.
        3. Proposed Resolution: REVISED (GEN: 2020-04-15 21:43:17Z) - Replace with "mesh peering Management frame” at P591L24, P592L7, P592L53 and P593L36
        4. Mark Ready for motion
     10. CID 4064 (GEN)
         1. No discussion
         2. Proposed Resolution: ACCEPTED (GEN: 2020-04-15 21:45:50Z)
         3. Mark Ready for Motion
     11. CID 4065 (GEN)
         1. If it’s not based on RTS threshold length, then what is it based on?
         2. include reference to CID that removed dot11RTSThreshold.
         3. More work needed.
         4. ACTION ITEM: Emily to research the change and post an email to the reflector with the result.
     12. CID 4030 (GEN)
         1. This CID is a duplicate of CID 4014. It will have the same resolution.
         2. Proposed Resolution: REVISED (GEN: 2020-04-15 21:24:22Z) - Change a) to: In the 5.9 GHz band in the United States (see E.2.3 (5.9 GHz band in the United States (5.850-5.925 GHz))) use EPD.
         3. Mark Ready for Motion
     13. CID 4396 (GEN)
         1. “if and only if” phrasing was taken out of the specification.
         2. Discussion: The comment fails to identify changes in sufficient detail that specific wording of the changes that will satisfy the commenter can be determined.
         3. Proposed Resolution: REJECTED (GEN: 2020-04-15 21:53:08Z) 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.
         4. Mark Ready for motion.
     14. CID 4419 (GEN)
         1. No discussion.
         2. There should be a definition such as “A STA with dot11… set to true” so the proposed resolution does not look correct.
         3. At 168.64, there is a better definition construct.
         4. More discussion is required on this comment.
  2. **Review the Agenda for April 17**
     1. Proposed Motions will be listed in the Agenda doc 11-20/535r3
     2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-03-000m-2020-april-july-teleconference-agendas.docx>
  3. **Adjourn until the April 17th telecon**.

1. **IEEE 802.11md REVmd CRC Telecon Friday April 17, 2020 10:00-12:00 ET**
   1. **Called to order at 10:04am** by the TG Chair Dorothy STANLEY (HPE)
   2. **Review Patent and Participation Policy**
      1. No Issues noted.
   3. **Attendance:** -please log with IMAT:
      1. WebEx reported 18 on call
      2. IMAT Attendance Report:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | TGmd | 4/17 | Adachi, Tomoko | TOSHIBA Corporation |
|  | TGmd | 4/17 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 4/17 | Bhandaru, Nehru | Broadcom Corporation |
|  | TGmd | 4/17 | Costa, D. Nelson | Peraso Technologies Incorporated |
|  | TGmd | 4/17 | Hansen, Christopher | Peraso Technologies Incorporated |
|  | TGmd | 4/17 | Kim, Youhan | Qualcomm Incorporated |
|  | TGmd | 4/17 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 4/17 | Malinen, Jouni | Qualcomm Incorporated |
|  | TGmd | 4/17 | McCann, Stephen | BlackBerry |
|  | TGmd | 4/17 | Montemurro, Michael | BlackBerry |
|  | TGmd | 4/17 | Qi, Emily | Intel Corporation |
|  | TGmd | 4/17 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 4/17 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 4/17 | Smith, Graham | SR Technologies |
|  | TGmd | 4/17 | Stanley, Dorothy | Hewlett Packard Enterprise |
|  | TGmd | 4/17 | Wentink, Menzo | Qualcomm Incorporated |

* + 1. Forgot to register attendance:
       1. Mark Hamilton (Ruckus/CommScope)
       2. Dan Harkins (HPE)
  1. **Review Draft Agenda: 11-20/535r4:**
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-04-000m-2020-april-july-teleconference-agendas.docx>
     2. 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); 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 slides: See slides 5-12 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>

c. Adhoc meeting reminders:

April 21-23 Cambridge UK – Not in person; teleconference plan is below.

1. Editor report – Emily QI/Edward AU
2. Comment resolution and Motions:
3. **2020-04-17 Friday 10 am Eastern 2 hours \*\*\*\*\*Teleconference announced with 10-day notice\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* (London is +5)**
4. Chris Hansen/Tomo ADACHI – CID 4041 <https://mentor.ieee.org/802.11/dcn/20/11-20-0507-00-000m-cid-4041-resolution.docx>
5. Tomo ADACHI –CID 4043 <https://mentor.ieee.org/802.11/dcn/20/11-20-0458-00-000m-resolution-to-cid-4043.docx>
6. Michael Montemurro -Remove Chanel 14 <https://mentor.ieee.org/802.11/dcn/20/11-20-0568-00-000m-remove-channel-14.docx>
7. Dan Harkins -SAE Discussion - <https://mentor.ieee.org/802.11/dcn/20/11-20-0351-00-000m-sae-sb1-resolutions.docx>
8. Edward Au: Editor2 CIDs
9. MOTIONS -
10. **Teleconference minutes motion – Jan through April 8 minutes: Move to approve the following minutes documents:**
11. Minutes for REVmd CRC -Jan 2020 - Irvine: 11-20/0146r0 -   
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0146-00-000m-minutes-for-revmd-crc-jan-2020-irvine.docx>
12. Jan 31-2020:  11-20/259r0  
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0259-00-000m-telecon-minutes-for-revmd-crc-jan-31-2020.docx>
13. Feb 7 and 14 2020: 11-20/260r1  
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0260-01-000m-telecon-minutes-for-revmd-crc-feb-7-and-14-2020.docx>
14. AdHoc - Feb 18-20 - Sunrise-FL:  11-20/261r0   
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0261-00-000m-minutes-for-revmd-crc-adhoc-feb-18-20-sunrise-fl.docx>
15. Mar 6 2020: 11-20/431r0   
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0431-00-000m-telecon-minutes-for-revmd-crc-mar-6-2020.docx>
16. March 11 and 13 2020: 11-20/262r2

<https://mentor.ieee.org/802.11/dcn/20/11-20-0262-02-000m-telecon-minutes-for-revmd-crc-march-11-and-13-2020.docx>

1. March 20 2020: 11-20/263r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0263-00-000m-telecon-minutes-for-revmd-crc-march-20-2020.docx>

1. March 25 and 27 2020: 11-20/550r2  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0550-02-000m-telecon-minutes-for-revmd-crc-march-25-and-27-2020.docx>
2. April 1 and 3 2020: 11-20/561r1  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx>
3. April 8 2020:  11-20/598r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0598-00-000m-telecon-minutes-for-revmd-crc-april-8-2020.docx>

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 175: PHY CIDs:**

Move to Approve comment resolutions included in “PHY Motion D” and  “Motion CID 4076” tabs in <https://mentor.ieee.org/802.11/dcn/20/11-20-0145-08-000m-sb1-revmd-phy-sec-comments.xlsx>

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: MAC CIDs – 1 CID**

Move to Approve comment resolutions included in the "Motion MAC-AN" tab in: https://mentor.ieee.org/802.11/dcn/17/11-17-0927-58-000m-revmd-mac-comments.xls

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: GEN CIDs – 4 CIDs**

Move to Approve comments included in the “Motion March-April 3” tab in <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-07-000m-sb1-revmd-gen-comments.xls>

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: Editor2 CIDs – 4 CIDs**

**Move to** Approve the comment resolutions included in “Motion-EDITOR2-Q” " in <https://mentor.ieee.org/802.11/dcn/19/11-19-2160-09-000m-revmd-editor2-standards-association-ballot-comments.xlsx>

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: Editor CIDs – NOT 4800 – 5 CIDs**

**Move to** Approve the resolutions included in the “Motion-EDITOR-U” tab in <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: 11-20-459 Internationalized character support**

**Move to** Incorporate the text changes into the TGmd draft in <https://mentor.ieee.org/802.11/dcn/20/11-20-0459-01-000m-internationalized-character-support.docx> into the TGmd draft

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: 11-20-225 Add optional 8 PSK MCS 10 and 11 to DMG SC PHY**

**Move to** Resolve CID 4076 as “Revised” with a resolution of “Incorporate the text changes into the TGmd draft in <https://mentor.ieee.org/802.11/dcn/20/11-20-0225-04-000m-cid-4076-draft-text.docx> into the TGmd draft. These changes add optional 8 PSK MCS 10 and 11 to the DMG SC PHY.”

* 1. Moved:
  2. Seconded:
  3. Result:

1. **Motion 17x: Additional text changes;**

**Referring to 11-20/435r1: <**<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>> starting on Page 25, related to but distinct from CID 4809 which has already been resolved:

Move to Incorporate the text changes into the TGmd draft:

In D3.2, change “in response to the reception of”/“in response to the receipt of” to “in response to” at 637.33, 971.18/21/22, 1181.14, 1600.24, 1654.28, 1656.30, 2033.55, 2332.48, 2467.55, 2478.38, 3042.28, 3539.50, 4016.40, 4620.37, 4621.55.

At 4611.43 change “in response to the receipt of MLME-” to “in response to an MLME-”.

[This is all instances of “in response to the rec” except the one on page 1908.]

1. Moved:
2. Seconded:
3. Result:

1. **Motion 17x: Editor CID 4800, 4167 – Colocated – Accept**

Approve the resolution to CID 4800 included in the “Motion-EDITOR-T” tab in <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>

1. Moved:
2. Seconded:
3. Result:
4. **Motion 17x: Editor CID 4800, 4167 – Colocated – Revised, see** <https://mentor.ieee.org/802.11/dcn/20/11-20-0141-17-000m-sa1-proposed-resolutions-for-editor-adhoc.doc>

**Move to** Approve the resolution to CID 4800 as “Revised” with a resolution of

“Replace 3 instances of “colocated” with either “collocated” or “co-located”.

At 1484.13: change to “The Co-Located BSSID List subelement is present when there is at least one other BSS that is co-located within the same physical device as the reporting BSS.”

At 3907.17: change to “supporting collocated interference reporting. The capability is disabled, otherwise."

At 3907.31: change to “support collocated interference reporting is enabled.””

1. Moved:
2. Seconded:
3. Result:

1. **Motion 17x: Editor CID 4800, 4167 – Colocated – Rejected, no consensus**

**Move to** Approve the resolution to CID 4800 as “Rejected” with a resolution of “The CRC discussed this comment at length and did not come to consensus to make the change. Concerns raised include introduction if additional hyphenation, unnecessary editing effort, no confusion introduced buy the current text. See the discussion in item 1.6.4 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx> .”

1. Moved:
2. Seconded:
3. Result:
4. AOB
5. Adjourn
   * 1. Discussion on Agenda plan for today.
     2. Request to run the Motions prior to submissions
     3. No objection to modified Agenda Plan
   1. **Editor Report** – Emily QI
      1. No changes to report.
   2. **Motions:**
      1. **Teleconference minutes motion – Jan through April 8 minutes: Move to approve the following minutes documents:**
6. Minutes for REVmd CRC -Jan 2020 - Irvine: 11-20/0146r0 -   
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0146-00-000m-minutes-for-revmd-crc-jan-2020-irvine.docx>
7. Jan 31-2020:  11-20/259r0  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0259-00-000m-telecon-minutes-for-revmd-crc-jan-31-2020.docx>
8. Feb 7 and 14 2020: 11-20/260r1  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0260-01-000m-telecon-minutes-for-revmd-crc-feb-7-and-14-2020.docx>
9. AdHoc - Feb 18-20 - Sunrise-FL:  11-20/261r0   
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0261-00-000m-minutes-for-revmd-crc-adhoc-feb-18-20-sunrise-fl.docx>
10. Mar 6 2020: 11-20/431r0   
    <https://mentor.ieee.org/802.11/dcn/20/11-20-0431-00-000m-telecon-minutes-for-revmd-crc-mar-6-2020.docx>
11. March 11 and 13 2020: 11-20/262r2

<https://mentor.ieee.org/802.11/dcn/20/11-20-0262-02-000m-telecon-minutes-for-revmd-crc-march-11-and-13-2020.docx>

1. March 20 2020: 11-20/263r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0263-00-000m-telecon-minutes-for-revmd-crc-march-20-2020.docx>

1. March 25 and 27 2020: 11-20/550r2  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0550-02-000m-telecon-minutes-for-revmd-crc-march-25-and-27-2020.docx>
2. April 1 and 3 2020: 11-20/561r1  
   <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx>
3. April 8 2020:  11-20/598r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0598-00-000m-telecon-minutes-for-revmd-crc-april-8-2020.docx>

* + - 1. Moved: Jon ROSDAHL
      2. Seconded: Michael Montemurro
      3. Discussion: none
      4. **Result Motion Prior Minutes**: 13-0-3 – Motion passes.
    1. **Motion 175: PHY CIDs: - 30 CIDs**

Move to Approve comment resolutions included in “PHY Motion D” tab in 11-20-0145r8 <https://mentor.ieee.org/802.11/dcn/20/11-20-0145-08-000m-sb1-revmd-phy-sec-comments.xlsx>

* + - 1. Moved: Michael MONTEMURRO
      2. Seconded: Jon ROSDAHL
      3. Discussion –
         1. there is a motion later to deal with Motion CID 4076 tab, so remove from this motion.
         2. Concern was expressed on CIDs 4670, 4668, 4667
         3. Check on the CID 4344 – is current.
         4. Request to Call the question - without objection
      4. **Result Motion #175:** 14-1-1 – Motion passes
    1. **Motion 176: MAC CIDs – 1 CID**

Move to Approve comment resolutions included in the "Motion MAC-AN" tab in 11-17/927r58:< https://mentor.ieee.org/802.11/dcn/17/11-17-0927-58-000m-revmd-mac-comments.xls>

* + - 1. Moved: Stephen MCCAAN
      2. Seconded: Mark RISON
      3. **Result Motion #176**: Unanimous – Motion Passes
    1. **Motion 177: GEN CIDs – 4 CIDs**

Move to Approve comments included in the “Motion March-April 3” tab in 11-20/147r7< <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-07-000m-sb1-revmd-gen-comments.xls>>

* + - 1. Moved: Jon ROSDAHL
      2. Seconded: Stephen MCCAAN
      3. **Result Motion #177**:  Unanimous – Motion Passes
    1. **Motion 178: Editor2 CIDs – 4 CIDs**

Move to Approve the comment resolutions included in “Motion-EDITOR2-Q” tab in 11-29/2160r9 <<https://mentor.ieee.org/802.11/dcn/19/11-19-2160-09-000m-revmd-editor2-standards-association-ballot-comments.xlsx>>

* + - 1. Moved: Edward AU
      2. Seconded: Michael MONTEMURRO
      3. **Result Motion #178:**  Unanimous – Motion Passes
    1. **Motion 179: Editor CIDs – NOT 4800 – 5 CIDs**

Move to Approve the resolutions included in the “Motion-EDITOR-U” tab in11-20/10r7 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>>

* + - 1. Moved: Emily QI
      2. Seconded: Edward AU
      3. **Result Motion #179:**  Unanimous – Motion Passes
    1. **Motion 180: Internationalized character support - 11-20-459**

**Move to** Incorporate the text changes into the TGmd draft in 11-20/459r1 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0459-01-000m-internationalized-character-support.docx>> into the TGmd draft

* + - 1. Moved: Stephen MCCAAN
      2. Seconded: Jouni MALINEN
      3. **Result for Motion #180**:  Unanimous consent – Motion Passes
    1. **Motion 181: Add optional 8 PSK MCS 10 and 11 to DMG SC PHY - 11-20-225**

**Move to** Resolve CID 4076 as “Revised” with a resolution of “Incorporate the text changes into the TGmd draft in 11-20/0255r4 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0225-04-000m-cid-4076-draft-text.docx>> into the TGmd draft. These changes add optional 8 PSK MCS 10 and 11 to the DMG SC PHY.”

* + - 1. Moved: Chris HANSEN
      2. Seconded: Nelson COSTA
      3. Discussion:
         1. the only change between r3 and r4 was correcting the spelling of Peraso.
         2. Concern of possible editorial errors that may be introduced.
         3. The Editors will follow strictly the editorial guidelines and will strive to have all the guidelines followed when this submission is incorporated and will work with the TGay Editor offline to work on consistency for the TGay Document that would not be incorporated until next revision.
      4. **Result for Motion #181**:  11-0-7 – Motion Passes
    1. **Motion 182: Additional text changes;**

**Referring to 11-20/435r1: <**<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>> starting on Page 25**, related to but distinct from CID 4809 which has already been resolved:**

**Move to** Incorporate the text changes into the TGmd draft:

In D3.2, change “in response to the reception of”/“in response to the receipt of” to “in response to” at 637.33, 971.18/21/22, 1181.14, 1600.24, 1654.28, 1656.30, 2033.55, 2332.48, 2467.55, 2478.38, 3042.28, 3539.50, 4016.40, 4620.37, 4621.55.

At 4611.43 change “in response to the receipt of MLME-” to “in response to an MLME-”.

[This is all instances of “in response to the rec” except the one on page 1908.]

* + - 1. Moved: Mark RISON
      2. Seconded: Mark HAMILTON
      3. **Result for Motion 182**:  Unanimous – Motion Passes
    1. **Discussion on CID 4800 and 4167** 
       1. Verify that they are the same basic comment.
       2. Review the alternatives that could be considered today.
       3. Suggestion to run a straw-poll on which of the motions to run.
       4. Straw Poll: (indicate support for as many as you find acceptable):

1. Accept

Throughout the draft, replace "collocated" (254 occurrences) and "colocated" (2 occurrences) with "co-located".

1. Revised

“Replace 3 instances of “colocated” with either “collocated” or “co-located”.

At 1484.13: change to “The Co-Located BSSID List subelement is present when there is at least one other BSS that is co-located within the same physical device as the reporting BSS.”

At 3907.17: change to “supporting collocated interference reporting. The capability is disabled, otherwise."

At 3907.31: change to “support collocated interference reporting is enabled.””

1. Rejected
2. abstain
   * + - 1. Results of Straw Poll: a) 9 b) 7 c) 6 d) 2
         2. Discussion on the results.
     1. **Motion 183: Editor CID 4800, and 4167 – Colocated – Revised,**

See Reference 11-20/141r17: <https://mentor.ieee.org/802.11/dcn/20/11-20-0141-17-000m-sa1-proposed-resolutions-for-editor-adhoc.doc>

**Move to** Approve the resolution to CID 4800 as “Revised” with a resolution of

“Replace 3 instances of “colocated” with either “collocated” or “co-located”.

At 1484.13: change to “The Co-Located BSSID List subelement is present when there is at least one other BSS that is co-located within the same physical device as the reporting BSS.”

At 3907.17: change to “supporting collocated interference reporting. The capability is disabled, otherwise."

At 3907.31: change to “support collocated interference reporting is enabled.””

* + - 1. Moved: Mark RISON
      2. Seconded: EMILY QI
      3. Discussion:
         1. Discussion on the value of making the change.
         2. Discussion on the ramifications for the change.
         3. Request to call the question – no objection
      4. **Result Motion 183:**  9-5-3 Motion Fails
    1. **Motion 184: Editor CID 4800, and 4167 – Colocated – Accept**

Approve the resolution to CID 4800 included in the “Motion-EDITOR-T” tab in <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>

* + - 1. Moved: Mark RISON
      2. Seconded: Stephen MCCAAN
      3. Discussion:
         1. Concern on the value of the changes.
      4. **Result Motion #184**:  8-5-3 Motion Fails
    1. **Motion 185: Editor CID 4800, and 4167 – Colocated – Rejected, no consensus**

**Move to** Approve the resolution to CID 4800 as “Rejected” with a resolution of “The CRC discussed this comment at length and did not come to consensus to make the change. Concerns raised include introduction if additional hyphenation, unnecessary editing effort, no confusion introduced buy the current text. See the discussion in item 1.6.4 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx> .”

* + - 1. Moved: Michael Montemurro
      2. Seconded: Dan Harkins
      3. **Result Motion #185**: 11-2-3 Motion Passes
  1. **Note next Telecon is April 21** – refer to agenda doc for list of topics.
  2. **Review doc 11-20/507r0** - CID 4041 - Chris Hansen (Peraso) /Tomo ADACHI (Toshiba)–
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0507-00-000m-cid-4041-resolution.docx>
     2. CID 4041 (PHY)
        1. A request was sent to the reflector asking about usage of Power Save by ATIM.
        2. Suggestion is to make this feature obsolete.
        3. Currently it is not marked Deprecated. Discussion on the normal process of “deprecated” then “obsolete”. The discussion on the reason for going directly to “obsolete”.
        4. Discussion on process and possible precedence.
        5. Change to create r1 online by changing the “Obsolete” to “Deprecate” status.
        6. Discussion on the precise wording to make the changes clear.
        7. 3587.60 changes were where we left off.
        8. An R1 will be prepared.
        9. Will Mark this as Ready for Motion
        10. Proposed Resolution: REVISED (PHY: 2020-04-17 15:24:46Z) - Incorporate the changes in https://mentor.ieee.org/802.11/dcn/20/11-20-0507-01-000m-cid-4041-resolution.docx which deprecate ATIM for IBSS.
        11. Will review at Motion time.
  3. **Review doc 11-20/458r1** – CID 4043 -Tomo ADACHI (Toshiba)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0458-01-000m-resolution-to-cid-4043.docx>
     2. CID 4043 (EDITOR)
        1. Review comment
        2. Review Proposed Changes
     3. Proposed Resolution: Revised; incorporate the text changes in **11-20/458r1** <<https://mentor.ieee.org/802.11/dcn/20/11-20-0458-01-000m-resolution-to-cid-4043.docx> >.
     4. Discussion on updating a table for TGax.
     5. Issue with TGax will need to be addressed in TGax, as it follows REVmd.
     6. Question on the process of creating the resolution was discussed.
     7. Question on if there was any “capture” effect associated with this feature.
        1. The change does not affect any of the essential properties of the Dynamic EIFS feature.
        2. The current draft has 14 and 32 octet MPDUs addressed, and future drafts will need to address the 58 octet MPDUs.
  4. **Review doc 11-20/0351r0** – SAE discussion - Dan Harkins (HPE)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0351-00-000m-sae-sb1-resolutions.docx>
     2. CID 4740 (PHY)
        1. Review comment
        2. Discussion on value of change
        3. What is the scope of the comment? Is it just one or multiple?
        4. The comment asks for just one.
        5. Assign 4740. 4741, 4742 are all assigned to Mark RISON for a submission on either a rejection of revised.
     3. CID 4698 (PHY)
        1. This was looking for more feedback.
        2. The resolution that was prepared:
           1. Replace "use in the SAE exchange" with "use in SAE authentication" in 9.4.1.42 (REVmd/D3.0 p941 l38).
        3. This should be ready for Motion.
        4. ACTION ITEM: Mike to update the spreadsheet and post to reflector.
        5. Proposed Resolution REVISED (PHY: 2020-04-17 15:58:26Z) -
        6. Replace "use in the SAE exchange" with "use in SAE authentication" in 9.4.1.42 (REVmd/D3.0 p941 l38).

At p2626.37, delete "as part of the FILS exchange"

* + - 1. Concern with a possible FILS exchange. Discussion on the deletion as well.
      2. P941.38 is reference for FILS deletion.
  1. **At time – Next call is April 22**
     1. Request to adjust topics for Edward from Friday and Tues to Wednesday.
  2. **Adjourned 12:08am**

**References:**

**April 15:**

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-02-000m-2020-april-july-teleconference-agendas.docx>
2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>
3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0246-08-000m-d30crs.docx>
4. <https://mentor.ieee.org/802.11/dcn/20/11-20-0246-09-000m-d30crs.docx>
5. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
6. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-02-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
7. <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-06-000m-sb1-revmd-gen-comments.xls>

April 17th:

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-04-000m-2020-april-july-teleconference-agendas.docx>
2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>
3. Motions referenced files:
   1. Minutes:
      1. Minutes for REVmd CRC -Jan 2020 - Irvine: 11-20/0146r0 -   
         <https://mentor.ieee.org/802.11/dcn/20/11-20-0146-00-000m-minutes-for-revmd-crc-jan-2020-irvine.docx>
      2. Jan 31-2020:  11-20/259r0  
         <https://mentor.ieee.org/802.11/dcn/20/11-20-0259-00-000m-telecon-minutes-for-revmd-crc-jan-31-2020.docx>
      3. Feb 7 and 14 2020: 11-20/260r1  
         <https://mentor.ieee.org/802.11/dcn/20/11-20-0260-01-000m-telecon-minutes-for-revmd-crc-feb-7-and-14-2020.docx>
      4. AdHoc - Feb 18-20 - Sunrise-FL:  11-20/261r0   
         <https://mentor.ieee.org/802.11/dcn/20/11-20-0261-00-000m-minutes-for-revmd-crc-adhoc-feb-18-20-sunrise-fl.docx>
      5. Mar 6 2020: 11-20/431r0   
         <https://mentor.ieee.org/802.11/dcn/20/11-20-0431-00-000m-telecon-minutes-for-revmd-crc-mar-6-2020.docx>
      6. March 11 and 13 2020: 11-20/262r2

<https://mentor.ieee.org/802.11/dcn/20/11-20-0262-02-000m-telecon-minutes-for-revmd-crc-march-11-and-13-2020.docx>

* + 1. March 20 2020: 11-20/263r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0263-00-000m-telecon-minutes-for-revmd-crc-march-20-2020.docx>

* + 1. March 25 and 27 2020: 11-20/550r2  
       <https://mentor.ieee.org/802.11/dcn/20/11-20-0550-02-000m-telecon-minutes-for-revmd-crc-march-25-and-27-2020.docx>
    2. April 1 and 3 2020: 11-20/561r1  
       <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx>
    3. April 8 2020:  11-20/598r0

<https://mentor.ieee.org/802.11/dcn/20/11-20-0598-00-000m-telecon-minutes-for-revmd-crc-april-8-2020.docx>

* 1. “PHY Motion D” tab in 11-20-0145r8 <https://mentor.ieee.org/802.11/dcn/20/11-20-0145-08-000m-sb1-revmd-phy-sec-comments.xlsx>
  2. "Motion MAC-AN" tab in: <https://mentor.ieee.org/802.11/dcn/17/11-17-0927-58-000m-revmd-mac-comments.xls>
  3. “Motion March-April 3” tab in 11-20/147r7< <https://mentor.ieee.org/802.11/dcn/20/11-20-0147-07-000m-sb1-revmd-gen-comments.xls>>
  4. “Motion-EDITOR2-Q” tab in 11-29/2160r9 <<https://mentor.ieee.org/802.11/dcn/19/11-19-2160-09-000m-revmd-editor2-standards-association-ballot-comments.xlsx>>
  5. “Motion-EDITOR-U” tab in11-20/10r7 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>>
  6. 11-20/459r1 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0459-01-000m-internationalized-character-support.docx>>
  7. 11-20/0255r4 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0225-04-000m-cid-4076-draft-text.docx>>
  8. **11-20/435r1: <**<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-01-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>> starting on Page 25**,**
  9. Reference 11-20/141r17: <https://mentor.ieee.org/802.11/dcn/20/11-20-0141-17-000m-sa1-proposed-resolutions-for-editor-adhoc.doc>
  10. “Motion-EDITOR-T” tab in <https://mentor.ieee.org/802.11/dcn/20/11-20-0010-07-000m-revmd-sa1-comments-for-editor-ad-hoc.xls>
  11. discussion in item 1.6.4 in <https://mentor.ieee.org/802.11/dcn/20/11-20-0561-01-000m-telecon-minutes-for-revmd-crc-april-1-and-3-2020.docx> .

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0507-00-000m-cid-4041-resolution.docx>
2. <https://mentor.ieee.org/802.11/dcn/20/11-20-0458-01-000m-resolution-to-cid-4043.docx>
3. <https://mentor.ieee.org/802.11/dcn/20/11-20-0351-00-000m-sae-sb1-resolutions.docx>