IEEE P802.11  
Wireless LANs

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| Telecon Minutes for REVmd CRC- May 6-8, 2020 | | | | |
| Date: 2020-05-11 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Jon Rosdahl | Qualcomm Technologies, Inc. | 10871 N 5750 W  Highland, UT 84003 | +1-801-492-4023 | jrosdahl @ ieee.org |
|  |  |  |  |  |

Abstract

Minutes for the 802.11md REVmd CRC Telecons from May 6 and May 8th, 2020.

R0: May 6th Telecon

R1: May 8th Telecon

R2: Minor corrections on page 4 – Change 2nd CID “4071” to CID “4075”

Approval of Minutes subject to motion on May 15th.

1. **IEEE 802.11md REVmd CRC Telecon Wednesday May 6, 2020 16:00-18:00 ET**
   1. **Called to order at 4:05pm** ET by the TG Chair Dorothy STANLEY (HPE)
   2. **Review Patent and Participation Policy**
      1. No Issues noted.
   3. **Attendance:** -please log with IMAT:
      1. About 25 attendees reported by WebEx

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Breakout | Timestamp | Name | Affiliation |
|  | TGmd | 5/6 | Asterjadhi, Alfred | Qualcomm Incorporated |
|  | TGmd | 5/6 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 5/6 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 5/6 | Costa, D.Nelson | Peraso Technologies Incorporated |
|  | TGmd | 5/6 | Derham, Thomas | Broadcom Corporation |
|  | TGmd | 5/6 | Eitan, Alecsander | Qualcomm Incorporated |
|  | TGmd | 5/6 | Fischer, Matthew | Broadcom Corporation |
|  | TGmd | 5/6 | Goodall, David | Morse Micro |
|  | TGmd | 5/6 | Hamilton, Mark | Ruckus Wireless |
|  | TGmd | 5/6 | Hansen, Christopher | Covariant Corporation |
|  | TGmd | 5/6 | Harkins, Daniel | Aruba Networks, Inc. |
|  | TGmd | 5/6 | Hervieu, Lili | Cable Technology Laboratories, Inc. |
|  | TGmd | 5/6 | Huang, Po-Kai | Intel Corporation |
|  | TGmd | 5/6 | Jiang, Jinjing | Apple, Inc. |
|  | TGmd | 5/6 | Kasher, Assaf | Qualcomm Incorporated |
|  | TGmd | 5/6 | Kim, Youhan | Qualcomm Incorporated |
|  | TGmd | 5/6 | Kwon, Young Hoon | NXP Semiconductors |
|  | TGmd | 5/6 | Montemurro, Michael | BlackBerry |
|  | TGmd | 5/6 | Qi, Emily | Intel Corporation |
|  | TGmd | 5/6 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 5/6 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 5/6 | Stacey, Robert | Intel Corporation |
|  | TGmd | 5/6 | Stanley, Dorothy | Hewlett Packard Enterprise |
|  | TGmd | 5/6 | YAGHOOBI, HASSAN | Intel Corporation |

* + 1. Missing from IMAT: None reported
  1. **Review Agenda**: 11-20/535r11:
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-11-000m-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>

2.  Editor report – Emily QI/Edward AU

3.  Comment resolution:

2020-05-06 Wednesday 4-6pm Eastern 2 hours

i. Chris Hansen – CIDs 4071, 4075, 4283, 4480, 4486, 4640

a. <https://mentor.ieee.org/802.11/dcn/20/11-20-0531-00-000m-dmg-comment-resolutions.docx>

ii. Edward AU – CID 4603

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0696-00-000m-proposed-resolution-for-cid-4603.docx>

iii. Matthew Fischer – CID 4158, CID 4157

a. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-01-000m-cr-mscs-and-cid4158.docx>

b. <https://mentor.ieee.org/802.11/dcn/19/11-19-1778-05-000m-india-ch-167-169-173.pptx>

iv. CID 4156

1. Matthew Fischer - <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-04-000m-all-sta-crs-mcs-negotiation.docx>
2. Po-Kai Huang – <https://mentor.ieee.org/802.11/dcn/20/11-20-0678-01-000m-some-thoughts-on-control-response-mcs-negotiation.pptx>

v. Dan Harkins

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0543-01-000m-privacy-for-password-identifiers.docx>

4. Adjourn

* + 1. Discussion of Agenda
       1. Chris HANSEN add doc 11-20/711r1
          1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0711-01-000m-cid-4071-4075-resolutions.docx>
       2. Matthew Fischer
          1. May or may not present 11-19/1778r5 today. Request to wait to decide until later in the call.
          2. Probably will move to later time. But will will not take action today.
       3. CID 4156
          1. There are two submissions for this CID.
       4. Dan Harkins
          1. The document is now r2
    2. No objection to updated Agenda see R12
  1. **Editor Report** – Emily QI (Intel)
     1. We are reviewing D3.3.
     2. Reviewer responses need to be submitted today.
  2. **Review doc 11-20/531r1 –** Chris HANSEN (Covariant Corp)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0531-01-000m-dmg-comment-resolutions.docx>
     2. CID 4283 (MAC)
        1. Review comment
        2. Discussion on the language used and the changes.
        3. Proposed Resolution: CID 4283 (MAC): REVISED (MAC: 2020-05-06 20:13:09Z): Incorporate the changes marked as "Instruct the Editor to …" for CID 4283 in 11-20/0531r2 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0531-02-000m-dmg-comment-resolutions.docx>), which makes changes in the direction suggested.
        4. No objection – Mark Ready for Motion
     3. CID 4480 (MAC)
        1. Review Comment
        2. Proposed Resolution: ACCEPTED (MAC: 2020-05-06 20:21:31Z)
        3. No objection – Mark Ready for Motion
     4. CID 4486 (MAC)
        1. Review comment
        2. Proposed resolution: REVISED (MAC: 2020-05-06 20:22:34Z): REVISED (MAC: 2020-05-06 20:13:09Z): Incorporate the changes marked as "Instruct the Editor to …" for CID 4486 in 11-20/0531r2 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0531-02-000m-dmg-comment-resolutions.docx>). These changes clarify that DMG STAs may both transmit and respond to probe requests.
        3. No objection – Mark Ready for Motion
     5. CID 4640 (MAC)
        1. Review Comment
        2. Proposed resolution:
        3. No objection – Mark Ready for Motion
  3. **Review doc 11-20/711r1** Christopher Hansen (Covariant Corp)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0711-01-000m-cid-4071-4075-resolutions.docx>
     2. CID 4071 (MAC)
        1. Review Comment
        2. Review submission Discussion
        3. Proposed Resolution: REVISED (MAC: 2020-05-06 20:27:50Z): Incorporate the changes marked as "Instruct the Editor to …" for CID 4071 in 11-20/0711r2 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0711-02-000m-cid-4071-4075-resolutions.docx>), which makes changes in the direction suggested.
        4. No Objection – Mark Ready for Motion
     3. CID 4075 (MAC)
        1. Review comment
        2. Proposed Resolution: Accept
        3. No Objection – Mark Ready for Motion
  4. **Review doc 11-20/0696r0** Edward AU (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0696-00-000m-proposed-resolution-for-cid-4603.docx>
     2. CID 4603 (GEN)
        1. Review comment
        2. Review history of the discussion on this CID
        3. Review the previous AdHoc Notes: GEN: 2020-04-29 21:35:32Z - status set to: Submission Required - Note CID 1095 was used to change MultipleBSSIDActivated to MultiBSSIDImplemented, and one was missed on page 998.34.

GEN: 2020-04-28 01:42:15Z - status set to: Review

Proposed Resolution: Revised; At 3903.59, change “Deprecated as the related feature has been removed from the standard." to “Deprecated as dot11MultiBSSIDActivated is not referenced and has been removed from the standard”.

* + - 1. Proposed Resolution: REVISED (GEN: 2020-05-06 20:40:42Z) At 999.32, replace “dot11MultipleBSSIDActivated” with “dot11MultiBSSIDImplemented”.

At 3901.53, replace “Deprecated as the related feature has been removed from the standard.” with “Deprecated as dot11MultiBSSIDActivated has been removed from the standard.”

Reply to the commenter: The Multi BSSID feature is not deprecated.

* + - 1. No objection Mark Ready for Motion
  1. **Review doc 11-20/0516r2** – Mathew Fischer (Broadcom)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-02-000m-cr-mscs-and-cid4158.docx>
     2. CID 4158 (MAC)
        1. Review Comments.
        2. Proposed Resolution CID 4158: CID 4158 (MAC): REVISED (MAC: 2020-05-06 20:46:12Z): Incorporate changes as shown in 11-20/0516r2 that are marked with CID 4158 which generally agree with the commenter’s suggestion.
     3. CID 4160 (MAC)
        1. Review comment
        2. Proposed Resolution: CID 4160 (MAC): REJECTED (MAC: 2020-05-06 20:44:48Z): 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.
        3. No objection – Mark Ready for Motion
     4. CID 4159 (MAC)
        1. Review comment
        2. Noted an error there are some “(RE) A…” and some (re) a…” and that there are some need to be addressed in r3.
        3. Explain what was change from R1 and R2.
        4. Proposed Resolution: REVISED (MAC: 2020-05-06 20:50:55Z): Incorporate the changes as shown in 11-20/0516r3 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0516-03-000m-cr-mscs-and-cid4158.docx>) for CID 4159. These include the MSCS setup in (Re)Association request and response frames, as requested.
        5. No objection – Mark Ready for Motion
  2. **CID 4156**
     1. 15 Minutes for Matthew Fischer and 15 Minute for Po-Kai Huang
     2. **Review doc 11-20/1562** – Matthew Fischer (Broadcom)
        1. <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-06-000m-all-sta-crs-mcs-negotiation.docx>
        2. CID 4156 (MAC)
           1. Review comment
           2. Review submission discussion.
           3. Noted the changes from R5 to R6.
     3. **Review doc 11-20/678r2** Po-Kai Huang (Intel)
        1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0678-01-000m-some-thoughts-on-control-response-mcs-negotiation.pptx>
        2. CID 4156 (MAC)
           1. Submission asks the question of which task group, TGmd vs TGbe, should be target Task Group.
           2. Review submission
           3. We may need more analysis before proceeding.
           4. Discussion on the need for making a change and if it should here or in TGbe.
           5. Long discussion on the pro and con for investigating this feature in TGmd vs TGbe and the consequences of either choice.
           6. More work will need to be done before a decision.
           7. Put on a future Telecon Agenda.
  3. **Review doc 11-20/0543r2** – Dan Harkins (HPE)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0543-02-000m-privacy-for-password-identifiers.docx>
     2. CID 4731 (PHY)
        1. Review differences from R1 to R2.
        2. Discussion on the value of the changes proposed.
        3. Discussion on how to best address the comment.
        4. More discussion could be done offline.
        5. We need to respond in a timely manner to all comments.
        6. Proposed Resolution: REVISED (PHY: 2020-05-06 21:55:49Z)
        7. Incorporate the changes in https://mentor.ieee.org/802.11/dcn/20/11-20-0543-02-000m-privacy-for-password-identifiers.doc which address the privacy issues with password identifiers.:
        8. Mark Ready for Motion
        9. If the motion fails, a reject reason will be prepared for consideration in its place.
           1. Reject reason (in case the motion fails). The BRC could not come to consensus on technical changes to the draft that would address the privacy concerns stated by the commenter.
  4. Next Telecon Schedule Review
     1. See R12
  5. Adjourned 5:57pm ET

1. **IEEE 802.11md REVmd CRC Telecon Friday May 8, 2020 10:00-12:00 ET**
   1. **Called to order at 10:03 am** ET by the TG Chair Dorothy STANLEY (HPE)
   2. **Review Patent and Participation Policy**
      1. No Issues noted.
   3. **Attendance:** -please log with IMAT:
      1. About 12 attendees reported by WebEx

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Breakout | Timestamp | Name | Affiliation |
|  | TGmd | 5/8 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 5/8 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 5/8 | Hamilton, Mark | Ruckus Wireless |
|  | TGmd | 5/8 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 5/8 | Montemurro, Michael | BlackBerry |
|  | TGmd | 5/8 | Qi, Emily | Intel Corporation |
|  | TGmd | 5/8 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 5/8 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 5/8 | Stanley, Dorothy | Hewlett Packard Enterprise |
|  | TGmd | 5/8 | YAGHOOBI, HASSAN | Intel Corporation |
|  |  |  |  |  |

* + 1. Missing from IMAT:
       1. Wentink, Menzo, Qualcomm –
  1. **Review Agenda**: 11-20/535r12:
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-12-000m-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>

2.  Editor report – Emily QI/Edward AU

3.  Comment resolution:

2020-05-08 Friday 10 am Eastern 2 hours

1. Menzo WENTINK - CIDs 4573, 4574, 4582, 4584
   1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-08-000m-assorted-crs-revmd-draft-3-0.docx>
2. Mark RISON - CIDs – see 11-20/639r4:
   1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0639-04-000m-selected-rison-discussion-cids.xlsx>
3. Mark RISON – CIDs 4432, 4451, 4767, 4625, 4543
   1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-02-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>

4. Adjourned

* + 1. Discussion of Agenda
       1. All items resolved through today will be subject to the Motions on May 15th.
       2. Motion to approve Minutes through today will be created as well.
       3. Add Edward doc 11/20-718r0 – CID 4025
    2. No objection to updated Agenda see R13
  1. **Editor Report** – Emily QI (Intel)
     1. We are reviewing D3.3.
     2. Waiting on couple reviews to be turned in.
     3. Look for Monday to release D3.3.
  2. **Review doc 11-20/150r8** - Menzo WENTINK - CIDs 4573, 4574, 4582, 4584
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0150-08-000m-assorted-crs-revmd-draft-3-0.docx>
     2. CID 4573 (MAC)
        1. Review Comment
        2. Discussion of the text – noted that there are 3 options, but the text says “two”. Change “two” to “options” at p1828.29 (d3.0) – Editorial Correction.
        3. Proposed resolution: CID 4573 (MAC): REJECTED (MAC: 2020-05-08 14:20:01Z): SIFS is not a possible interval because it takes at least PIFS to discover that the response frame is not received.

Also, some implementations may need more time than PIFS to determine what to transmit next, in which case a backoff seems reasonable.

* + - 1. No objection – Mark Ready for Motion
    1. CID 4574 (MAC)
       1. Review Comment
       2. Discussion on when is the primary AC invoked.
       3. Discussion on changes to the proposed resolution.
          1. During the discussion it was desired to capture the following explicit text: The reasoning on the call was that the TXOP is an activity by a single EDCAF taking traffic from queues associated with other ACs, and not a primary EDCAF granting time to another EDCAF. Therefore, the AC is necessarily the primary AC, and this does not need to be mentioned explicitly. See also 10.23.2.7 (Sharing an EDCA TXOP) at P1835.5
          2. Extra Note: Mark Hamilton to review whether deleting "and the AC was a primary AC" is appropriate.

The reasoning on the call was that the TXOP is an activity by a single EDCAF taking traffic from queues associated with other ACs, and not a primary EDCAF granting time to another EDCAF. Therefore, the AC is necessarily the primary AC, and this doe not need to be mentioned explicitly.

See also 10.23.2.7 (Sharing an EDCA TXOP) at 1835.5.

* + - 1. Proposed resolution: Revised -At 1828.11, change

"b) The transmission of the MPDU in the final PPDU transmitted by the TXOP holder during the TXOP for that AC has completed and the TXNAV timer has expired, and the AC was a primary AC. (See 10.23.2.7 (Sharing an EDCA TXOP))."

to

"b) The transmission of the final PPDU transmitted by the TXOP holder during the TXOP has completed, and the TXNAV timer has expired. (See10.23.2.7 (Sharing an EDCA TXOP))."

which resolves the comment in the direction suggested by the commenter.

* + - 1. No objection – Mark Ready for Motion
    1. CID 4582
       1. This was already completed - Motion 170 – see doc 11-20/150r10.
    2. CID 4584
       1. This was already completed - Motion 169. – see doc 11-19/0856r12.
    3. CID 4649 (MAC)
       1. Review comment
       2. Proposed resolution: CID 4649 (MAC): REJECTED (MAC: 2020-05-08 14:42:40Z): 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.
       3. No objection – Mark Ready for Motion
    4. CID 4699 (PHY)
       1. Review Comment
       2. Discussion on the use of TXNAV.
       3. More work will need to craft an updated resolution.
       4. Note D3.0 – TXOP duration well defined in figure 10-28 – p1840.18
          1. The figure has some text that is hard to read. The Editor is asked to check the figure text.
       5. Notes from Submission:
          1. See p1847.36 - Data (44) - ACK (0) - Data (44) - ACK (0)
          2. Proposal is to Reject - "remaining TXOP duration" is used in several locations, and the meaning seems clear. It is the time remaining in the TXOP.

The time remaining is not necessarily the TXNAV, which might cover only the response frame.

Should be clarified that remaining TXOP duration is the time remaining before reaching the TXOP limit.

* + - * 1. Menzo to work on it.
        2. Figure 10-28 -- check the text on the far right (Nominal end of TXOP) and CF-End.
      1. Will bring back later.
    1. CID 4703 (PHY)
       1. Review Comment
       2. Proposed Resolution: Rejected for insufficient detail.
       3. Mark RISON asked to have this CID assigned to him for more consideration.
    2. CID 4717 and 4718 (MAC)
       1. Review comment
       2. Proposed Resolution: Reject for lack of detail.
       3. Mark RISON – asked to have a copy of the figure from the Editor and he will update the figure in a submission.
       4. EDITOR noted that request for figures will be accommodated by request.
    3. CID 4719 (PHY)
       1. Review comment
       2. Discussion on the level of detail needed to affect the change.
       3. DCF was not cleaned up with respect to the retry counters because it is probably of little relevance in light of EDCA.
       4. Maybe this should be taken up in a larger effort to remove DCF and move relevant parts to EDCA.
       5. More discussion may be required.
       6. Proposed Resolution: REJECTED (PHY: 2020-05-08 15:08:13Z) -

It might be possible to delete words from the draft, but the result would not necessarily be consistent. The comment provides insufficient detail to make a complete change.

* + - 1. Mark Ready for Motion
    1. CID 4720 (PHY)
       1. This is similar to 4719 –
       2. It is assigned to Mark RISON for subsequent submission.
       3. A Proposed Reject Resolution has been prepared: Rejected - It might be possible to delete words from the draft, but the result would not necessarily be consistent. The comment provides insufficient detail to make a complete change.
  1. **Review doc 11-20/718r0** – Edward AU (Huawei) – CID 4025 (GEN)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0718-00-000m-proposed-resolution-for-cid-4025.docx>
     2. CID 4025 (GEN)
        1. Review comment
        2. Proposed resolution: Rejected – There is no subclause 9.6.13.3 in the IEEE 802.11ak-2018 amendment. There is no addition to the contents of the TDLS Setup Response Action Field.
        3. No Objection - Mark ready for motion
  2. **Review doc 11-20/0435** - Mark RISON – CIDs 4432, 4451, 4767, 4625, 4543
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-02-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
     2. CID 4432 (MAC)
        1. Review comment
        2. Review proposed changes
        3. Proposed resolution: CID 4432 (MAC): REVISED (MAC: 2020-05-08 15:11:51Z): In D3.1:

At the end of the first para of 11.46.2.1 FILS Discovery frame transmission add “The Address 1 field of the FILS Discovery frame shall be set to the broadcast address.”.

At the end of the second para (“In a non-DMG and non-S1G BSS, …”) of 11.1.3.1 General (in 11.1.3 Maintaining synchronization) add “The Address 1 field of the Beacon or Timing Advertisement frame shall be set to the broadcast address.”.

At the end of the third para (“In a DMG infrastructure BSS, ...”) of 11.1.3.1 General (in 11.1.3 Maintaining synchronization) add “The Address 1 field of the Timing Advertisement frame shall be set to the broadcast address.”.

At the end of second para of 14.13.3.1 Beacon generation in MBSSs add “The Address 1 field of the Beacon frame shall be set to the broadcast address.”.

At the end of 11.8.8.1 General (in 11.8.8 Selecting and advertising a new channel) add a para “The Address 1 field of a Channel Switch Announcement frame shall be set to the broadcast address.”

At the end of 11.9.1 General (in 11.9 Extended channel switching (ECS)) add a para “The Address 1 field of an Extended Channel Switch Announcement frame shall be set to the broadcast address.”

At 2302.47 and 2302.49 change “multiple Beacons, Measurement Pilots, or Probe Response frames” to “multiple Beacon, Measurement Pilot, or Probe Response frames”.

At 2318.56, 2320.52/53(2x)/60/61/63, 2321.1/3/5/13/19/43 change “Measurement Pilots” to “Measurement Pilot frames”. At 327.16 change “measurement pilots” to “Measurement Pilot frames”.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 4767 (EDITOR)
       1. Review comment
       2. CID 4767 was previously "Accepted" – Motion 169
       3. We're revisiting today.
       4. Review Proposed changes.
       5. The changes proposed are thought to be Editorial.
       6. The changes in this document are tagged CID 4767, they will be a separate motion and not replace the previously approved changes.
       7. Definition discussion was not clearly accepted. Some did not agree the definition was clear and future comments may be forthcoming.
       8. Proposed Additional Changes will have a new motion created for document 11-20/0435r3 under CID 4767.
          1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0435-03-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>
    2. CID 4625 (EDITOR)
       1. Previously completed – Motion 160
       2. Commenter believes that there is at least one suspect “(inclusive)” in 10.47.6 needs to be addressed.
       3. This is an addition change and does not change the original CID 4625.
       4. More work will need to be done to complete the proposed changes.
    3. CID 4543 (MAC)
       1. Review Comment
       2. Proposed resolution: ID 4543 (MAC): REJECTED (MAC: 2020-05-08 15:27:37Z): The term “the current channel” is used widely in the spec. In the context of association, it must refer to the channel on which the BSS operates.
       3. No Objection – Mark Ready for Motion
    4. CID 4549 (MAC)
       1. Review Comment
       2. Review alternative proposed changes
       3. Discussion on the use of CTS-to-self in support of alternative 1.
       4. Discussion on the use of RTS vs CTS-to-self may be used to protect a broadcast exchange. RTS would give better coverage for STAs that are closer.
       5. A minimal change is seemed more agreeable and use alternative 1.
       6. Alternative 2 may need more changes elsewhere in the draft to fully implement.
       7. If a STA sees an RTS with long NAV, it is likely that it would ignore the subsequent frames.
       8. Proposed resolution: CID 4549 (MAC): REVISED (MAC: 2020-05-08 15:33:29Z): Change the cited text to “The RA field of the RTS frame is the address of the STA that is the intended immediate recipient of a pending individually addressed frame.”
       9. No Objection - Mark Ready for Motion
    5. CID 4510 (MAC)
       1. Review Comment
       2. Review submission discussion
       3. Proposed resolution: CID 4510 (MAC): REVISED (MAC: 2020-05-08 15:46:11Z): Insert the following para as the second para of 9.3.1.1 Format of Control frames:

The Frame Control, Duration and Address 1 (RA) fields are present in all control frame subtypes. The Address 2 (TA) field is present in some control frame subtypes.

At the end of the first para of 9.3.2.1.1 General change the last sentence to the following two sentences:

The presence of the QoS Control field is determined by the setting of the QoS subfield of the Subtype subfield (see 9.2.4.1.3) of the Frame Control field. The presence of the HT Control field is determined by the setting of the +HTC subfield of the Frame Control field (see 9.2.4.1.10).

After the second sentence of the first para of 9.3.3.1 Format of Management frames add:

The presence of the HT Control field is determined by the setting of the +HTC subfield of the Frame Control field (see 9.2.4.1.10).

* + - 1. No Objection – Mark Ready for Motion
    1. CID 4505 (MAC)
       1. Review Comment
       2. Discussion on how to indicate when CMMG is needed to be indicated.
       3. Assign to Edward AU – he will take over the work on this CID.
       4. More work needed.
    2. CID 4512 (MAC)
       1. Review Comment
       2. Discussion on if the proposed change should be made.
       3. Concern that the changes need to be checked to ensure the field is indicated to be unsigned integers.
       4. We would like to have further discussion on a later call.
  1. **Review Next Call agenda – Wednesday 2020-05-13:**
     1. PHY CIDs – Michael MONTEMURRO
     2. GEN CIDs – Jon ROSDAHL
  2. **Adjourn 12:03pm**

**References:**

**May 6, 2020:**

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-11-000m-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/20/11-20-0531-01-000m-dmg-comment-resolutions.docx>
4. <https://mentor.ieee.org/802.11/dcn/20/11-20-0531-02-000m-dmg-comment-resolutions.docx>
5. <https://mentor.ieee.org/802.11/dcn/20/11-20-0711-01-000m-cid-4071-4075-resolutions.docx>
6. <https://mentor.ieee.org/802.11/dcn/20/11-20-0711-02-000m-cid-4071-4075-resolutions.docx>
7. <https://mentor.ieee.org/802.11/dcn/20/11-20-0696-00-000m-proposed-resolution-for-cid-4603.docx>
8. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-02-000m-cr-mscs-and-cid4158.docx>
9. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-03-000m-cr-mscs-and-cid4158.docx>
10. <https://mentor.ieee.org/802.11/dcn/19/11-19-1562-06-000m-all-sta-crs-mcs-negotiation.docx>
11. <https://mentor.ieee.org/802.11/dcn/20/11-20-0678-01-000m-some-thoughts-on-control-response-mcs-negotiation.pptx>
12. <https://mentor.ieee.org/802.11/dcn/20/11-20-0543-02-000m-privacy-for-password-identifiers.docx>

**May 8, 2020**

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<https://mentor.ieee.org/802.11/dcn/20/11-20-0308-00-000m-2020-march-tgmd-agenda.pptx>

<https://mentor.ieee.org/802.11/dcn/20/11-20-0150-08-000m-assorted-crs-revmd-draft-3-0.docx>

<https://mentor.ieee.org/802.11/dcn/20/11-20-0718-00-000m-proposed-resolution-for-cid-4025.docx>

<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-02-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>

<https://mentor.ieee.org/802.11/dcn/20/11-20-0435-03-000m-resolutions-for-some-comments-on-11md-d3-0-sb1.docx>