IEEE P802.11  
Wireless LANs

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| Minutes for REVmd CRC- June 3-5 2020 | | | | |
| Date: 2020-06-03 | | | | |
| Author(s): | | | | |
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Abstract

Minutes for the 802.11md REVmd CRC Telecons for June 3 and 5, 2020.

R0: Minutes for June 3

1. **IEEE 802.11md REVmd CRC Telecon Wednesday June 3, 2020 16:00-18:00 ET**
   1. **Called to order at 4:03pm** 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

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| --- | --- | --- | --- | --- |
|  | TGmd | 6/3 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
|  | TGmd | 6/3 | Coffey, John | Realtek Semiconductor Corp. |
|  | TGmd | 6/3 | Derham, Thomas | Broadcom Corporation |
|  | TGmd | 6/3 | Fischer, Matthew | Broadcom Corporation |
|  | TGmd | 6/3 | Goodall, David | Morse Micro |
|  | TGmd | 6/3 | Levy, Joseph | InterDigital, Inc. |
|  | TGmd | 6/3 | Montemurro, Michael | BlackBerry |
|  | TGmd | 6/3 | NANDAGOPALAN, SAI SHANKAR | Cypress Semiconductor Corporation |
|  | TGmd | 6/3 | RISON, Mark | Samsung Cambridge Solution Centre |
|  | TGmd | 6/3 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
|  | TGmd | 6/3 | Smith, Graham | SR Technologies |
|  | TGmd | 6/3 | Stanley, Dorothy | Hewlett Packard Enterprise |

* + 1. Missing from IMAT: None reported
  1. **Review Agenda**: 11-20/535r20:
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-20-000m-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:

a) 2020-06-03 Wednesday 4-6pm Eastern 2 hours

i. Matthew FISCHER, CID 4155, <https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx>. Need the r8 posted(done) – Clarification to block ack state at originator text. Last discussed on 2020-05-20. Confirm ready for motion.

ii. Matthew Fischer CIDs 4159 – Addition of MSCS descriptor, confirm resolutions in <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>. Mark Rison request for more time to review. Discuss any comments, changes, make ready for motion.

iii. GEN CIDs – Jon ROSDAHL

iv. Mark HAMILTON CIDs <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>

4.       AOB

5. Adjourn

* + 1. Discussion of Agenda
       1. No comments on proposed agenda
    2. No objection to updated Agenda see R21
  1. **Editor Report** – Emily QI (Intel)
     1. Still working on d3.4 – should be ready be end of month.
     2. Will incorporate the June 19th Motioned CIDs prior to next Draft.
  2. **Review doc 11-19/1564r8** Matthew FISCHER (Broadcom)
     1. <https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx>
     2. CID 4155 (MAC)
        1. Review Changes from R7
        2. Proposed Resolution: CID4155 (MAC): REVISED (MAC: 2020-06-03 20:23:48Z) - Make the changes as shown in 11-19/1564r8 (<https://mentor.ieee.org/802.11/dcn/19/11-19-1564-08-000m-originator-block-ack-state.docx> ). This clarifies the text for block ack state processing, as requested.
        3. No Objection - Mark Ready for Motion
  3. **Review doc 11-20/516r6** Matthew FISCHER (Broadcom)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>
     2. CID 459 (MAC)
        1. Review comment
        2. Review proposed changes
        3. Note a “re(association)” needed to be changed to “(re)association”.
        4. Discussion on if an add can be done and if we know what fields are cleared or saved.
        5. The draft is not consistent of subelement-id “0” so there is not a reason for being mandated as reserved.
        6. Request to have a decision made on what things may be reset or not.
        7. Discussion on Association Response behaviour
        8. See 11.3.4.5 c) for location of potential items that need to be reset.
        9. Add a list item to page 2225 (d3.2) Non-AP and nonPCP STA reassociation initialization procedures add 14) MSCS setup and 15) SCS setup. We then debated if “setup” or “parameter” or just MSCS and SCS.
        10. Proposed Resolution: CID 4159 (MAC): REVISED (MAC: 2020-06-03 20:25:36Z): Incorporate the changes as shown in 11-20/0516r7 (<https://mentor.ieee.org/802.11/dcn/20/11-20-0516-07-000m-cr-mscs-and-cid4158.docx> ) for CID 4159. These include the MSCS setup in (Re)Association request and response frames, as requested.
        11. No objection – Mark Ready for Motion
  4. **Review doc 11-20/338r5** Mark HAMILTON (Ruckus/Comscope)
     1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>
     2. CID 4802 (MAC)
        1. Review Comment.
        2. Review proposed changes.
        3. Proposed Resolution: Revised. Break the cited paragraph into two, after the first sentence (at the full stop on line 2). Add a new sentence to the start of the new paragraph as, "Some elements in the Reported Frame Body subelement, or the Reported Frame Body subelement itself, might be large." (Note to Editor: The change is shown in 11-20/0338r6 <<https://mentor.ieee.org/802.11/dcn/20/11-20-0338-06-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>>)
        4. No objection – Mark Ready for Motion
     3. CID 4799 (MAC)
        1. Review comment.
        2. Review proposed changes.
        3. No objection – Mark Ready for Motion
     4. CID 4797, 4347, 4351, 4349 (MAC)
        1. Review comments.
        2. Review proposed changes.
        3. Proposed resolutions:
           1. CID 4797: Revised. Delete e) and in d) after "send zero or more probe requests" add " to the broadcast destination address"
           2. CID 4347: Revised. Delete e) and in d) after "send zero or more probe requests" add " to the broadcast destination address"
           3. CID 4351: Accepted.
           4. CID 4349: Rejected. While it is true that sending more Probe Requests using an SSID already covered by (c) is redundant, it would potentially make existing implementations non-compliant to make this a hard requirement.
           5. Add a note to the editor in CIDs 4797, 4347 and 4351 that the changes are the same for all three.
        4. No objection - Mark all 4 CIDs Ready for Motion.
     5. CID 4641 (MAC)
        1. Review Comment
        2. Review submission discussion.
        3. Proposed resolution: Rejected. Given the immediately nearby antecedent phrases in the first sentence which spells out that these are in reference to the beam tracking roles, the references in the second sentence are clear enough.
        4. After discussion to want to be more consistent,
        5. Update Proposed Resolution: (MAC): REVISED (MAC: 2020-06-04 21:04:29Z): Change

“If the initiator receives the expected feedback from the beam tracking responder within time that is greater than or equal to the beam tracking time limit of the last request, the beam tracking initiator should ignore it.”

to

“If the initiator receives the expected feedback from the responder within time that is greater than or equal to the beam tracking time limit of the last request, the initiator should ignore it.”

* + - 1. No objection – Mark Ready for Motion
    1. CID 4782 (MAC)
       1. Review Comment
       2. Review proposed changes
       3. Proposed Resolution: Revised. Replace the sentence with: "If a FILS STA receives one or more Probe Request frame(s) and the STA has dot11FILSOmitReplicateProbeResponses equal to true, then the responding STA shall respond, subject to the criteria above, via the next Beacon frame, a broadcast Probe Response frame, or one or more individually addressed Probe Response frames.". Also, move the paragraph at P2164.48 to appear after the paragraph at P2164.52.
       4. No objection – Mark Ready for Motion
    2. CID 4488 (MAC)
       1. Review Comment
       2. Review proposed change.
       3. Proposed Resolution: Revised. Change each “Remaining BI field” (singular) in the cited paragraph to “Handover Remaining BI field”.
       4. No objection – Mark Ready for Motion
    3. CID 4723 (MAC)
       1. Review comment
       2. Review submission discussion.
       3. Concern that there may be another location to make same change. Just in front of 12.7.10.2.2.
       4. Discussion on if the wrapped and encrypted is correct.
          1. The location of cited text may be just incorrect, as it has had many changes over the years.
       5. Need more research before we can proceed on this CID.
    4. CID 4722 (MAC)
       1. Review comment
       2. Similar to another CID 2510.
       3. Review submission discussion.
       4. Proposed resolution: Accept
       5. Discussion on what the side effects maybe.
       6. ACTION ITEM: Mark H to check with Jouni and Dan.
    5. CID 4658 (MAC)
       1. Review Comment
       2. Proposed resolution: Accept
       3. No objection – Mark Ready for Motion
    6. CID 4795 (MAC)
       1. Review Comment
       2. Review proposed change – 2 locations.
       3. Proposed Resolution: Accepted. Note to Editor, there are two locations, at 2060.28 and 2060.35.
       4. No objection – Mark Ready for Motion
    7. CID 4234 (MAC)
       1. Review Comment
       2. A S1G STA is a QoS STA as described in clause 4.3.14.1.
       3. There are other places in the spec where the duration is set differently.
       4. ACTION ITEM: David GOODALL will provide feedback offline.
       5. The proposed resolution is Sufficient
       6. Proposed resolution: Revised. Change

"In Data and Management frames sent by QoS STAs, the Duration/ID field contains a duration value as defined for each frame type in 9.2.5 (Duration/ID field (QoS STA))."

to

"In Data and Management frames sent by QoS STAs, the Duration/ID field contains a duration value as defined for each frame type in 9.2.5 (Duration/ID field (QoS STA)). In Extension frames the Duration/ID field contains a duration value as defined in 9.3.4."

* + - 1. No objection - Mark Ready for Motion
    1. CID 4318 (MAC) and 4317 (MAC)
       1. Review the Comments
       2. Proposed Resolutions:
          1. CID 4317: Accepted.
          2. CID 4318: Revised. Delete "to a STA " in the cited text; also in 10.12.5.
       3. No Objection – Mark Ready for Motion
    2. CID 4309 (MAC)
       1. Review Comment
       2. Review submission discussion.
       3. Proposed Resolution: Accepted
       4. No Objection – Mark Ready for Motion
    3. CID 4295 (MAC)
       1. Review Comment
       2. Review submission discussion.
       3. Proposed Resolution: Accepted.
       4. No Objection – Mark Ready for Motion.
    4. CID 4285 (MAC)
       1. Review comment
       2. Review submission discussion.
       3. Proposed Resolution: Rejected. The request is for the requested STA to perform FTM range operations with a subset of the APs listed in the Neighbor Report subelements, up to at least the number specified in the Minimum AP Count field. Thus, the Neighbor Report subslements are a superset of the APs that are expected to be ranged.
       4. Discussion on the proposed resolution: it’s still confusing. Suggest something like “specify a set of nearby APs; the requested STA is requested to perform the FTM procedure with a subset of these APs”
       5. Updated Proposed Resolution: Revised. Change … to “specify a set of nearby APs; the requested STA is requested to perform the FTM procedure with a subset of these APs”
       6. No Objection – Mark Ready for Motion.
    5. CID 4253 (MAC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion.
    6. CID 4490 (MAC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion.
    7. CID 4240 (MAC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion.
  1. **Review Schedule for Future Telecons.**
  2. **Future Telecons –** 
     1. July 1 and July 3 are national holidays.
     2. June 29th and June 30th 3-5pm.
     3. ACTION ITEM: Dorothy to send announcement
  3. **Adjourned 6:03pm**

**References:**

**June 3:**

1. <https://mentor.ieee.org/802.11/dcn/20/11-20-0535-20-000m-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/19/11-19-1564-08-000m-originator-block-ack-state.docx>
4. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-06-000m-cr-mscs-and-cid4158.docx>
5. <https://mentor.ieee.org/802.11/dcn/20/11-20-0516-07-000m-cr-mscs-and-cid4158.docx>
6. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-05-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>
7. <https://mentor.ieee.org/802.11/dcn/20/11-20-0338-06-000m-revmd-initial-sa-comments-assigned-to-hamilton.docx>