IEEE P802.11  
Wireless LANs

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| 11-22-0609-00-000m-Telecon Minutes for REVme - April 4-11-22 | | | | |
| Date: 2022-04-11 | | | | |
| Author(s): | | | | |
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|  |  |  |  |  |

Abstract

Minutes for the REVme (TGme) telecons for April 4, 11, and 22, 2022

R0: April 4 Minutes added.

R1: April 11 Minutes added.

**Action item List:**

* + - 1. ACTION ITEM #1: Mark HAMILTON to prepare Reject rational for 1125 and 1126 along the direction of the submission 11-22/0374r0.
      2. ACTION ITEM #2: Michael MONTEMURRO report to the TGbe about the changes from CID 1381.
      3. ACTION ITEM #3 Mark RISON to get the figure 12-16 updated and sent to editors to make searchable. This was done in the past, or on another figure, but need it to be checked.
      4. ACTION ITEM #4: Michael MONTEMURRO talk with WG Chair to try to identify overlapping CIDs in LBs and how to avoid them. Request the Commenters in this LB to identify the overlapping comments and report to the TG chair.

1. **TGme (REVme) Telecon –Monday, April 4, 2022 at 10:00-12:00 ET**
   1. **Called to order** 10:02 am ET by the TG Chair, Michael MONTEMURRO (Huawei).
      1. Introductions of Officers.
         1. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
         2. Vice Chair - Mark RISON (Samsung)
         3. Editor - Emily QI (Intel)
         4. Editor – Edward AU (Huawei)
         5. Secretary - Jon ROSDAHL (Qualcomm)
   2. **IMAT Reported attendance**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Andersdotter, Amelia | Sky UK Group |
| 2 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| 3 | Coffey, John | Realtek Semiconductor Corp. |
| 4 | Halasz, David | Morse Micro |
| 5 | Hamilton, Mark | Ruckus/CommScope |
| 6 | Kim, Youhan | Qualcomm Incorporated |
| 7 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 8 | noh, yujin | Senscomm |
| 9 | Petrick, Albert | InterDigital, Inc. |
| 10 | Qi, Emily | Intel Corporation |
| 11 | RISON, Mark | Samsung Cambridge Solution Centre |
| 12 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 13 | Smith, Graham | SR Technologies |
| 14 | Srivatsa, Veena | Synaptics; Synaptics Incorporated |
| 15 | Wei, Dong | NXP Semiconductors |
| 16 | Wentink, Menzo | Qualcomm Incorporated |

* 1. **Review Patent Policy and Copyright policy and Participation Policies.**
     1. **See slides 4-19 in** <https://mentor.ieee.org/802.11/dcn/22/11-22-0208-00-0000-2nd-vice-chair-report-march-2022.pptx>
     2. No issues were noted.
  2. **Review agenda**:11-22/511r3:
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0511-03-000m-march-may-teleconference-agenda.docx>
     2. Change 2048 to 2056 for CID to revisit
     3. Editor adds 11-22/404 and 11-22/0398
     4. Change order to put review CID 2056 second.
     5. No objection to the updated Agenda (see r4).
  3. **Review doc 11-22/480** – CIDs 2377, 2379, 2374 – Yujin NOH (Senscomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0480-00-000m-cid2377-cid2379-cid2374-in-11ax-resolution.docx>
     2. CID 2379 (MAC)
        1. Review comment
        2. Review proposed changes
        3. Note that the log10 should not have the “10” subscripted.
        4. Discussion on the page references.
        5. Proposed Resolution: CID 2379 (MAC): REVISED (MAC: 2022-04-04 14:12:02Z): Incorporate the changes as shown in 11-22/0480r0 (https://mentor.ieee.org/802.11/dcn/22/11-22-0480-00-000m-cid2377-cid2379-cid2374-in-11ax-resolution.docx) for CID 2379.

Note to EDITOR: Do not subscript the "10" in "log10".

* + - 1. No Objection – Mark Ready for Motion
    1. CID 2377 (MAC)
       1. Review comment
       2. Review proposed changes
       3. Discussion on if the cited field exists or not.
       4. Ack Policy Indicator subfield should be used.
       5. See page 964 for context.
       6. See table 9-13 for context.
       7. Refer to page 2319 for proposed changes.
          1. This is inside the PSMP section that is marked deprecated, so it should not be update…so the CID may be considered to be rejected.
       8. Proposed Resolution: CID 2377 (MAC): REJECTED (MAC: 2022-04-04 14:31:50Z): PSMP is deprecated, so no changes are made.
       9. No objection – Mark Ready for Motion
    2. CID 2374 (MAC)
       1. Review comment
       2. Review proposed changes
       3. Discussion on the deletion of the sentence that indicates the total number of bits.
       4. Discussion on how to count the number of RU vs NSTs etc.
       5. See page 1701.49 for concern.
       6. Proposed Resolution: CID 2374 (MAC): The gist is (I believe): REVISED (MAC: 2022-04-04 14:45:56Z): Delete P1702.1 (D1.1). Change "PPE Thresholds List" to "PPE Thresholds Info" at P1701.49 (D1.1).
       7. Request to have Yujin work Youhan KIM offline.
  1. **Review doc 11-22/520r1** – CID 2056 – Youhan KIM (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0520-01-000m-lb258-phy-cids-part-1.docx>
     2. CID 2056 (GEN) REVIST
        1. Previously it was marked ready for motion as accept.
        2. Review comment
        3. Review proposed changes
        4. Proposed resolution: REVISED (GEN: 2022-04-04 14:53:59Z) Implement the proposed text updates for CID 2056 in https://mentor.ieee.org/802.11/dcn/22/11-22-0520-01-000m-lb258-phy-cides-part-1.docx

Note to commenter:

The proposed text updates below updates some of the “data stream(s)” to more appropriate terms when applicable. See the discussion section for CID 2056 in https://mentor.ieee.org/802.11/dcn/22/11-22-0520-01-000m-lb258-phy-cides-part-1.docx for further details.;

* + - 1. No objection – Mark Ready for Motion
  1. **Review doc 11-22/0374r0** – CID1 1125 and 1126 – Graham SMITH (SR Technologies)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0374-00-000m-resolutions-to-cids-1125-and-1126-on-sr.docx>
     2. CID 1125 and 1126 (MAC)
        1. Review comments
        2. Discussion on the reject reason given in the proposed resolution.
        3. No objection to deleting the Comments, but concern with the “valid points” being alluded to.
        4. Discussion on the “consensus” part of the resolution.
        5. Request to allow more offline review as another set of CIDs (2243, 2244 2390, 2391) on spatial reuse are being prepared.
        6. ACTION ITEM #1: Mark HAMILTON to prepare Reject rational for 1125 and 1126 along the direction of the submission 11-22/0374r0.
        7. Group agrees to rejection. Reason to be word-smithed off-line between HAMTILON and SMITH.
        8. AdHoc note: MAC: 2022-04-04 15:07:31Z - Reviewed 11-22/0374r0. Noted that other work is being done on SR, per CIDs 2243, 2244, 2390, 2391 (assigned to Zinan Lin).
        9. Mark Ready for Motion
  2. **Review doc 11-22/519r3** – CID 2022 – Graham SMITH (SR Technologies)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0519-03-000m-cid-2022-resolution.docx>
     2. CID 2022 (PHY)
        1. Review comment
        2. Discussion on the proposed changes.
        3. Some alternate text to Option A was created that was acceptable.
        4. Request to have all the unused options deleted before posting to make it easier on the Editor.
        5. Proposed Resolution: REVISED

At P904.48 Clause 9.2.4.1.7

Replace

“— The Power Management subfield is valid only in frame exchanges as described in 11.2.3 (Power management in a non-DMG infrastructure network) and 11.2.7 (Power management in a PBSS and DMG infrastructure BSS). In such exchanges, the Power Management subfield set to 1 indicates that the STA will be in PS mode. The Power Management subfield set to 0 indicates that the STA will be in active mode.”

With

“- In certain frame exchanges, as described in 11.2.3 (Power management in a non-DMG infrastructure network) and 11.2.7 (Power management in a PBSS and DMG infrastructure BSS), the Power Management subfield is set to 1 to indicate that the STA will be in PS mode and set to 0 to indicate that the STA will be in active mode.”

* + - 1. No Objection – Mark Ready for Motion
  1. **Review doc 11-22-0401r1** – CID 1090 – Emily QI (Intel)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0404-01-000m-proposed-resolution-for-cid-1090.docx>
     2. CID 1090 (MAC)
        1. Review comment
        2. Review proposed changes
        3. Suggestion to change the Length subfield to be size of 1 octet.
        4. Discussion on the expected size of the SLA Policy Tuple.
        5. After discussion leave the length field at 2 octets.
        6. Proposed Resolution: CID 1090 (MAC): REVISED (MAC: 2022-04-04 15:26:47Z): Incorporate the changes in 11-22/0404r1 (<https://mentor.ieee.org/802.11/dcn/22/11-22-0404-01-000m-proposed-resolution-for-cid-1090.docx>).
        7. No Objection – Mark Ready for Motion
  2. **Review doc 11-22-398r2** – SPP A-MSU Support. – Emily QI (Intel)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0398-02-000m-proposed-resolution-for-spp-a-msdu-support.docx>
     2. Abstract: This contribution addresses the issue of how SPP A-MSDU could be negotiated without causing interoperability issues with misbehaving deployed STAs.
     3. R2: Updated the text in the “Discussion” section to incorporate the TGme reflector discussion. No change to the “Proposed changes” section.
     4. Review updated text changes in submission.
     5. Note that ANA needs to know about bit 10 and 11 need special reserve status (don’t reuse).
     6. No objection – Will consider this document in a Motion.
  3. MAC CIDs – Mark HAMILTON (Ruckus-Commscope)
     1. CID 2228 (MAC)
        1. Review comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     2. CID 2227 (MAC)
        1. Review comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     3. CID 1363 (MAC)
        1. Review comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     4. CID 1347 (MAC)
        1. Review comment
        2. Discussion on the use of “globally assigned” usage.
        3. Suggestion to remove the parenthetical “randomization” and “generated” to “administered”
        4. Discussion on other minor edits – remove “exactly” etc.
        5. Proposed Resolution: CID 1347 (MAC): REVISED (MAC: 2022-04-04 15:47:35Z): Change to "The HESSID value shall be the universal MAC address of one of the APs in the HeSS." Add a "NOTE 3--If the APs in the HeSS are using locally administered MAC Addresses for their BSSIDs, the HESSID might not be any of the BSSIDs in the HeSS.”.
        6. No Objection – Mark Ready for Motion
     5. CID 1325 (MAC)
        1. Review comment
        2. Review context
        3. Proposed Resolution: Accepted
        4. No Objection – Mark Ready for Motion
     6. CID 1324 (MAC)
        1. Review Comment
        2. More work required.
  4. **Adjourned 11:57am ET**

1. **TGme (REVme) Telecon –Monday, April 11, 2022 at 10:00-12:00 ET**
   1. **Called to order** 10:03 am ET by the TG Chair, Michael MONTEMURRO (Huawei).
      1. Introductions of Officers.
         1. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
         2. Vice Chair - Mark RISON (Samsung)
         3. Editor - Emily QI (Intel)
         4. Editor – Edward AU (Huawei)
         5. Secretary - Jon ROSDAHL (Qualcomm)
   2. **IMAT Reported attendance**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Andersdotter, Amelia | Sky UK Group |
| 2 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| 3 | Coffey, John | Realtek Semiconductor Corp. |
| 4 | Harkins, Daniel | Aruba Networks, Inc. |
| 5 | Huang, Po-Kai | Intel Corporation |
| 6 | Levy, Joseph | InterDigital, Inc. |
| 7 | Lumbatis, Kurt | CommScope, Inc. |
| 8 | Malinen, Jouni | Qualcomm Incorporated |
| 9 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 10 | Patwardhan, Gaurav | Hewlett Packard Enterprise |
| 11 | Petrick, Albert | InterDigital, Inc. |
| 12 | Qi, Emily | Intel Corporation |
| 13 | RISON, Mark | Samsung Cambridge Solution Centre |
| 14 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 15 | Smith, Graham | SR Technologies |
| 16 | Srivatsa, Veena | Synaptics; Synaptics Incorporated |
| 17 | Wei, Dong | NXP Semiconductors |

* 1. **Review Patent Policy and Copyright policy and Participation Policies.**
     1. **See slides 4-19 in** <https://mentor.ieee.org/802.11/dcn/22/11-22-0208-00-0000-2nd-vice-chair-report-march-2022.pptx>
     2. No issues were noted.
  2. **Review agenda**:11-22/511r4:
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0511-04-000m-march-may-teleconference-agenda.docx>
     2. Comment resolution for today (priority to Security-related CIDs)
        1. Document 11-22/399 – Huang (Intel)
        2. SEC CIDs – Montemurro (Huawei)
     3. No objection -Agenda approved by unanimous consent.
  3. **Editor Report** – Emily QI (Intel)
     1. New draft should be ready the end of this week.
  4. **Comment status update** 
     1. CID 2239 (GEN) Withdrawn
        1. Update the comment to ready for motion as Rejected; the commenter has withdrawn the comment.
  5. **Review doc 11-22/399r3** – SAE PMK length – Po-Kai HUANG (Intel)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0399-03-000m-determine-sae-pmk-length.docx>
     2. Abstract: This document proposes a way to differentiate when to use 256 bit PMK and when to use 384 bit PMK for SAE.
     3. Review history of the submission.
     4. Discussion on table 12-11.
     5. Minor edits requested to be made.
     6. Disagreement on how to edit table 12-11.
     7. Discussion on which reference should be made for the 4-way handshake.
     8. More offline discussion will need to occur to make the edits.
     9. Note that there is a row added that is not in the baseline. Need to identify the correct way to note the OWE line in the table.
  6. **SEC Comments** – Michael MONTEMURRO (Huawei)
     1. See 11-22/105r6
     2. <https://mentor.ieee.org/802.11/dcn/22/11-22-0105-06-000m-revme-lb258-sec-adhoc-comments.xlsx>
     3. CID 1381 (SEC)
        1. Review comment
        2. Proposed resolution presented.
        3. There were several parts that may need to be considered, but there is not a clear reference to where to apply the correction.
        4. Suggestion for change on p3164.31. Discussion on what should be added “per key” after PTKSA.
        5. Discussion on deleting the last sentence in the paragraph.
        6. Discussion on the use of “per band”.
        7. Proposed Resolution: REVISED (SEC: 2022-04-11 15:00:03Z) - At 3164.31, change:

"For the PTKSA derived as a result of the 4-way handshake, there shall be only one PTKSA per band (see 12.6.19 (Protection of robust Management frames)) with the same Supplicant and Authenticator MAC addresses. For the PTKSA derived as a result of an initial mobility domain association or fast BSS transition, there shall be only one PTKSA with the same STA’s MAC address and BSSID."

to

"There shall be only one PTKSA per key ID per band (see 12.6.19 (Protection of robust Management frames)) with the same Supplicant and Authenticator MAC addresses."

* + - 1. No objection – Mark Ready for Motion
      2. ACTION ITEM #2: Michael MONTEMURRO report to the TGbe about the changes from CID 1381.
    1. CID 1382 (SEC)
       1. Review comment
       2. This CID is also covered in Doc 11-22/353r0:
          1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0353-00-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>
          2. An update to this document is needed before it is reviewed due to our earlier discussion on PTKSA usage.
       3. Redlines can be seen easier in the document.
       4. After discussion, it was determined that Mark RISON would be assigned this CID and marked as Submission Required
    2. CID 1384 (SEC)
       1. Review comment
       2. Displayed the proposed changes and no discussion was needed.
       3. Proposed Resolution: Accepted
       4. No Objection – Mark Ready for Motion.
    3. CID 1385 (SEC)
       1. Review comment
       2. Discussion on what the “2nd octet” really means.
       3. See P3156 for context.
       4. Adding the proposed text should be on a new line 63.
       5. Proposed Resolution: Revised; at 3156.62 (D1.0) add the following sentence: “The third octet of the GCMP Header field is reserved.”
       6. No Objection – Mark Ready for Motion
    4. CID 1386 (SEC)
       1. This will be similar changes as in CID 1385. Will work off-line, to make it aligned with the CID 1385 (SEC) changes.
       2. ACTION ITEM #3 Mark RISON to get the figure 12-16 updated and sent to editors to make searchable. This was done in the past, or on another figure, but need it to be checked.
       3. Offline updates will be done and brought back.
    5. CID 1396 (SEC)
       1. Review comment
       2. Discussion on how broad the coverage is for beacon protection.
       3. See context P3154.40
       4. There is no robust response frame.
       5. Probe response frames are not protected.
       6. Discussion on how verification is completed.
       7. Proposed Resolution: REJECTED (SEC: 2022-04-11 15:30:02Z) - Beacon protection applies only to Beacon frames, not S1G or DMG beacon frames, for STAs that are associated in the BSS. Probe response frames are not robust and cannot be protected with BIP.
       8. No objection – Mark Ready for Motion
    6. CID 1397 (SEC)
       1. Review comment
       2. There are other CIDs with similar comment but different proposed changes.
       3. ACTION ITEM #4: Michael MONTEMURRO talk with WG Chair to try to identify overlapping CIDs in LBs and how to avoid them. Request the Commenters in this LB to identify the overlapping comments and report to the TG chair.
       4. Assign CID 1397 (SEC) to Mark RISON and mark Submission Required, to add to his document with CID 1398 (SEC):
    7. CID 1075 (SEC)
       1. Review comment
       2. Proposed resolution: Revised. Remove the NOTE at 3106.20;
       3. No objection – Mark Ready for Motion
    8. CID 1082 (SEC)
       1. Review comment
       2. Discussion on when to set the secure bit.
       3. Concern on remembering what we agreed in the past, and this change will make it clear, but we need to make sure it is what we wanted to have happen. Concern with legacy devices.
       4. Need to make sure we are consistent with changes for CID 179 and 180 in doc 11-21/829r10
          1. Resolution for CID 179 and 180:

REJECTED (SEC: 2022-01-07 17:14:58Z) - The group could not come to consensus on a set of changes to the draft that would satisfy the commenter. The group discussed changes to address the comment in <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-10-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx> and ran the following straw poll:

Do you agree to resolve CIDs 179/180 with the text changes provided in document 11-21/829r10 limited to the handshake analyis clause (12.7.6.8)?

A.Yes 1

B.No 4

C.Abs 4

* + - 1. While we did not accept the document, we can review the discussion in rejecting the document.
      2. More work offline may need to be done.
      3. Assign to Jouni MALINEN and mark submission required.
    1. CID 1083 (SEC)
       1. Review comment
       2. Review context – p3206.40 – Table 12-8.
       3. Discussion on the removal of WEP from the table.
       4. We may want to combine this CID with the removal CIDs.
       5. Move to GEN AdHoc to combine on the Obsolete-Deprecate Comment Group tab.
    2. CID 1433 (SEC)
       1. Review comment
       2. Discussion on if the Note is needed as there is already text in the general area that indicates this.
       3. There is a doc 11-22/347r1 – “Putting TKIP in its place”.
          1. This was accepted and when D1.2 come out, we will see that this section may have been fixed up enough.
       4. Delay until D1.2 comes out later this week
  1. **Adjourned 12:00 ET**

**References:**

**April 4, 2022:**

1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0208-00-0000-2nd-vice-chair-report-march-2022.pptx>
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8. <https://mentor.ieee.org/802.11/dcn/22/11-22-0398-02-000m-proposed-resolution-for-spp-a-msdu-support.docx>

**April 11, 2022**

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6. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-10-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>