IEEE P802.11  
Wireless LANs

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| Telecon Minutes for REVme - August 2022 | | | | |
| Date: 2022-08-15 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
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|  |  |  |  |  |

Abstract

Telecon Minutes for REVme - August 2022:

R0: August 8th Telecon. – Focus on SEC CIDs

R1: August 15th Telecon- Focus on MAC CIDs

1. **TGme (REVme) Telecon –Monday, August 8, 2022, at 10:00-12:00 ET**
   1. **Called to order** 10:07 am ET by the TG Chair, Michael MONTEMURRO (Huawei).
   2. **Introductions of other Officers present:**
      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)
   3. **IMAT Reported attendance**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| 2 | Coffey, John | Realtek Semiconductor Corp. |
| 3 | Hamilton, Mark | Ruckus Wireless |
| 4 | Levy, Joseph | InterDigital, Inc. |
| 5 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 6 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| 7 | Qi, Emily | Intel |
| 8 | RISON, Mark | Samsung Cambridge Solution Centre |
| 9 | Rosdahl, Jon | Qualcomm Technologies, Inc. |

* 1. **Review Patent Policy and Copyright policy and Participation Policies.**
     1. No issues were noted.
  2. **Review agenda**:11-22/1173r2:
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1173-02-000m-july-august-teleconference-agenda.docx>
     2. Reviewed,
     3. No changes
     4. No objection to approval of agenda
  3. **CID SEC** Michael Montemurro (Huawei)
     1. CID 1922 (SEC)
        1. Review comment
        2. Review proposed changes
        3. Discussion on why this change is needed.
        4. Proposed Resolution: accepted
        5. No objection – Mark Ready for Motion
     2. CID 1766 (SEC)
        1. Review Comment
        2. Review adhoc notes describing the change to be made.
        3. Proposed resolution: CID 1766 (SEC): Revised. At 3186.6, insert the following paragraph (after the first paragraph):
        4. "NOTE---A Protected Dual of Public Action frame is protected by encryption if it is individually addressed and by a MIC if it is group addressed."
        5. No objection – Mark Ready for Motion
     3. CID 1765 (SEC)
        1. Review Comment
        2. Discuss the need for “should” vs “shall”.
        3. Discussion on the format of the sentence.
        4. Proposed Resolution: REVISED (SEC: 2022-08-08 14:34:03Z) - At 3186.7, insert the following paragraph:
        5. "When a Public Action frame is received, but a Protected Dual of Public Action frame should have been used, the frame should be discarded."
        6. No objection – Mark Ready for Motion
     4. CID 1733 (SEC)
        1. Review Comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     5. CID 2177 (SEC)
        1. Review Comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     6. CID 1591 (SEC)
        1. Review Comment
        2. Proposed Resolution: Accepted
        3. No Objection – Mark Ready for Motion
     7. CID 1788 (SEC)
        1. Review Comment
        2. Similar to CID 1789 (SEC)
        3. Make the same resolution to both CIDs.
        4. Proposed Resolution for both CID 1788 and CID 1789 (SEC): REVISED (SEC: 2022-08-08 14:46:12Z) - At 3205.56, change

"Key Ack (bit 7) is set to 1 in messages from the Authenticator if an EAPOL-Key frame is required in response to this message and is 0 otherwise."

to

"Key Ack (bit 7) is set to 1 if sent by the Authenticator and is set to 0 otherwise."

* + - 1. No objection – Mark Ready for Motion
    1. CID 1832 (SEC)
       1. Review Comment
       2. Proposed Resolution: REVISED (SEC: 2022-08-08 14:48:26Z) - At 3206.36, change "pairwise temporal key" to "temporal key"
       3. No objection – Mark Ready for Motion
    2. CID 1578 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion
    3. CID 1786 (SEC)
       1. Review Comment
       2. Discussion on the need for the NOTE.
       3. Proposed Resolution: REVISED (SEC: 2022-08-08 15:05:40Z) - At 3206.8, delete "(this should be before receiving message 3 of the 4-way handshake)"

After the cited paragraph, insert:

"NOTE -- The Secure bit is set to 1 in messages 3 and 4 of the 4-way handshake."

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1839 (SEC)
       1. Review Comment
       2. Discussion on which entity is being described.
       3. There is a Set of resolutions in 11-22/0355 starting at CID 1273 that has changes to help clarify this area.
       4. For this CID, only the NOTE to be added is needed.
       5. Proposed Resolution: REVISED (SEC: 2022-08-08 15:17:16Z) - After the cited paragraph, insert the following note:

"NOTE---An EAPOL-Key request frame requests initiation of a 4-way handshake or group key handshake. An EAPOL-Start frame requests initiation of an EAP handshake."

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1237 (SEC)
       1. Skip for now, need to check CID 1822.
    2. CID 1709 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion
    3. CID 1822 (SEC) with CID 1237 (SEC)
       1. Review Comments
       2. See CID 1822's Ad Hoc notes for the combined discussion.
       3. Proposed Resolution for CID 1822 (SEC) and CID 1237 (SEC):

REVISED (SEC: 2022-08-08 15:26:04Z) - At 3207.10, change

"The Authenticator should use the key replay counter to identify invalid messages to silently discard."

To be:

"The Authenticator shall use the key replay counter to identify invalid messages."

At 3207.13, change "should also" to "shall also"

At 3207.16, change "field should not be updated" to "field shall not be updated"

At 3207.17, change

"In other words, the Supplicant never updates" to

"In other words, the Supplicant shall not update"

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1568 (SEC) CID 1569 (SEC) and 1575 (SEC)
       1. Review comments
       2. Discussion on the proposed changes.
       3. Proposed Resolution for CID 1568 (SEC), CID 1569 (SEC) and CID 1575 (SEC):

REVISED (SEC: 2022-08-08 15:35:48Z) - At 3209.30 and 3209.33, change: "the GroupKey" to "key material (e.g. the GTK)"

At 3209.33. Change "the EAPOL-Key frames shall be ignored." to "the EAPOL-Key frame shall be ignored."

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1825 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No Objection – Mark Ready for Motion
    2. CID 1828 (SEC)
       1. Review Comment
       2. Proposed Resolution: REVISED (SEC: 2022-08-08 15:42:56Z) - At 3216.42, change
       3. Change "set in EAPOL-Key frames" to "set to 1 in EAPOL-Key frames"
       4. No objection – Mark Ready for Motion
    3. CID 1946 (SEC)
       1. Review Comment
       2. Discussion on the specifics of the proposed resolution.
       3. Proposed Resolution: REVISED (SEC: 2022-08-08 15:46:11Z) - At cited location, change:

"to establish an initial PTKSA, GTKSA, if management frame protection is enabled, an IGTKSA, (11ba)if beacon protection is enabled, a BIGTKSA(11ba), and if WUR frame protection is negotiated, a WIGTK, that is based on this protocol."

to

"to establish an initial set of security associations: PTKSA,

GTKSA, IGTKSA if management frame protection is enabled, BIGTKSA if beacon protection is enabled, and WIGTKSA if WUR frame protection is negotiated."

* + - 1. No objection – Mark Ready for Motion
    1. CID 1238 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted
       3. No objection – Mark Ready for Motion
    2. CID 1239 (SEC)
       1. Review Comment
       2. Proposed Resolution: REVISED (SEC: 2022-08-08 15:50:55Z) - At 3218.56, change:

"and Supplicant RSNE indicates OCVC capability, the Authenticator silently discards message 2 if any of the following are true:"

to

"and the Supplicant RSNE indicates OCVC capability, the Authenticator shall silently discard message 2 if any of the following are true:"

* + - 1. No objection – Mark Ready for Motion
    1. CID 1908 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted.
       3. No Objection – Mark Ready for Motion
    2. CID 1240 (SEC)
       1. Review Comment
       2. Proposed Resolution: Accepted.
       3. No Objection – Mark Ready for Motion
    3. CID 1827 (SEC)
       1. Review Comment
       2. Proposed Resolution: ACCEPTED (SEC: 2022-08-08 15:54:54Z)

Note to Editor, the proposed change is:

At 3220.1, Change

"MIC(KCK, EAPOL) or MIC(SKCK, EAPOL)"

to

"MIC(KCK, EAPOL)".

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1242 (SEC)
       1. Review Comment
       2. Proposed Resolution: REVISED (SEC: 2022-08-08 15:58:26Z) -

At 3221.13, change

"and Authenticator RSNE indicates OCVC capability, the Supplicant silently discards message 3"

to

"and the Authenticator RSNE indicates OCVC capability, the Supplicant shall silently discard message 3"

* + - 1. No Objection – Mark Ready for Motion
  1. **Adjourned 11:59am ET**

1. **TGme (REVme) Telecon –Monday, August 15, 2022, at 10:00-12:00 ET**
   1. **Called to order** 10:02 am ET by the TG Chair, Michael MONTEMURRO (Huawei).
   2. **Introductions of other Officers present:**
      1. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      2. Vice Chair - Mark RISON (Samsung)
      3. Editor - Emily QI (Intel)
      4. Secretary - Jon ROSDAHL (Qualcomm)
   3. **IMAT Reported attendance**

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Coffey, John | Realtek Semiconductor Corp. |
| 2 | Halasz, David | Morse Micro |
| 3 | Hamilton, Mark | Ruckus Wireless |
| 4 | Levy, Joseph | InterDigital, Inc. |
| 5 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 6 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| 7 | Petrick, Albert | Jones-Petrick and Associates, LLC. |
| 8 | Qi, Emily | Intel |
| 9 | RISON, Mark | Samsung Cambridge Solution Centre |
| 10 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 11 | Smith, Graham | SR Technologies |
| 12 | Thakore, Darshak | Cable Television Laboratories Inc. (CableLabs) |

* 1. **Review Patent Policy and Copyright policy and Participation Policies.**
     1. No issues were noted.
  2. **Review agenda**:11-22/1173r3:
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1173-03-000m-july-august-teleconference-agenda.docx>
     2. Will process MAC Discuss CIDs.
     3. No objection to proposed agenda
  3. **Editor Report** – Emily QI (Intel)
     1. Completed roll-in for comments from June and July.
     2. Editor review is proceeding and hope to have adhoc review Wednesday.
  4. **MAC CIDs** – Mark HAMILTON (Ruckus/CommScope)
     1. CID 1555 (MAC)
        1. Review Comment
        2. Look at the latest detail for SPP – Clause 10 –
        3. More work is needed to ensure the new changes applies.
        4. Potential need to add a note.
        5. Assign to Mark RISON –
        6. Mark R to send to reflector and work offline.
        7. Comment will be discussed at the REVme adhoc.
     2. CID 1126 (MAC)
        1. Review comment
        2. Proposed Resolution:

CID 1126 (MAC): REJECTED (MAC: 2022-08-15 14:15:50Z): Agree with the comment. During development of the source of this clause (in 802.11 TGax), concern about the performance of SR was discussed extensively, and consensus was never reached to remove SR or make changes in the direction suggested by the commenter. There is no consensus for such changes at this time, either.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1125 (MAC)
       1. Review Comment
       2. Proposed Resolution:

CID 1125 (MAC): REJECTED (MAC: 2022-08-15 14:18:19Z): Agree with the general concern of the comment. During development of the source of this clause (in 802.11 TGax), concern about the performance of SR was discussed extensively, and consensus was never reached to remove SR or make changes in the direction suggested by the commenter. There is no consensus for such changes at this time, either.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1757 (MAC)
       1. Review Comment
       2. Related to CID 1756 (MAC) which has been resolved and implemented.
       3. Proposed Resolution:

CID 1757 (MAC): REVISED (MAC: 2022-08-15 14:21:05Z): Change the cited sentence to "To actively scan, the mesh STA shall follow the procedures in 11.1.4.3, using a wildcard Mesh ID or

the desired Mesh ID in the Probe Request frame(s)"

Note to Editor, this is the same resolution as for CID 1756. No additional change is needed.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1190 (MAC)
       1. Review Comment
       2. Review the proposed change.
       3. Discussion on when you us SU-MIMO for DMG.
       4. Discussion on TDD in SU-MIMO vs SU-MIMO in TDD.
       5. Need an expert for EDMG to comment.
       6. The intent is to accept, but we have some disagreement in this direction.
       7. Assign to Mark HAMILTON
       8. Mark H will send an email to the reflector and schedule discussion during the AdHoc.
    2. CID 1206 (MAC)
       1. Review Comment
       2. Review context p4206
       3. Proposed Resolution:

CID 1206 (MAC): REJECTED (MAC: 2022-08-15 14:37:29Z): The larger context is "shall schedule for transmission a Trigger

frame for the TWT requesting STA,", and in that context ("shall schedule") the English is correct.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 2138 (MAC)
       1. Review Comment
       2. Review context p2688
       3. Discussion on “if any” is necessary.
       4. Proposed Resolution:

CID 2138 (MAC): REJECTED (MAC: 2022-08-15 14:43:17Z): For a GLK STA in Power Save mode, a bridge is always attached on the peer.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1651 (MAC)
       1. Review Comment
       2. This was taken by Stephen MCCANN, will be discussed during the AdHoc
       3. Assign to Stephen MCCANN - Doc 11-22/1269
    2. CID 1635 (MAC)
       1. Review Comment
       2. Proposed Resolution:

CID 1635 (MAC): ACCEPTED (MAC: 2022-08-15 14:47:58Z)

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1634 (MAC)
       1. Review Comment
       2. Review context p3068
       3. Discussion on the proposed revision.
       4. Proposed Resolution:

CID 1634 (MAC): REVISED (MAC: 2022-08-15 14:50:28Z): Change to "D is the NAI realm of the EAP-RP server used in EAP-RP authentication"

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1620 (MAC)
       1. Review Comment
       2. Looking for a Mesh Expert for comment
       3. Review p3330 for context for alternative locations that need to be harmonized with the proposed change.
       4. Discussion on why the peering protocol would need to be cited in the other location.
       5. Note that it may be REQ\_RJCT may really need to be CONFIRM\_RJCT at the cited paragraph.
       6. Proposed Resolution:

CID 1620 (MAC): REVISED (MAC: 2022-08-15 15:02:11Z): At the cited location, change "REQ\_RJCT" to "CNF\_RJCT".

* + - 1. No Objection – Mark Ready for Motion
      2. Mark H to post resolution to reflector.
    1. CID 1596 (MAC)
       1. Review Comment
       2. Review p1109 for context.
       3. Editor to check on use of “5” and confirm if need to check for ANA control
       4. Proposed Resolution:

CID 1596 (MAC): ACCEPTED (MAC: 2022-08-15 15:06:17Z)

Note to EDITOR: Please check if this is under ANA control.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1804 (MAC)
       1. Review comment
       2. Discussion on proposed change.
       3. Proposed Resolution:

CID 1804 (MAC): REJECTED (MAC: 2022-08-15 15:12:38Z): Per the "Last - 1" row of Table 9-74 of REVme D1.3, interworking elements are now supported in S1G beacons.

* + - 1. No Objection – Mark Ready for Motion
    1. CID 1579 (MAC)
       1. Review Comment
       2. Proposed Resolution:

CID1579 (MAC): ACCEPTED (MAC: 2022-08-15 15:17:18Z)

* + - 1. No Objection – Mark Ready for Motion
      2. Mark H to post to Reflector to check for any concerns.
    1. CID 1576 (MAC)
       1. Review Comment
       2. Discussion on marking “Supported Channels Element” as deprecated.
       3. Concern was expressed that the Comment has several points, but the proposed change is only to mark the cited paragraph as deprecated.
       4. Straw Poll: Do you agree with the proposed rejection?
          1. Results: 7y 1n 2a
       5. Proposed resolution:

CID 1576 (MAC): REJECTED (MAC: 2022-08-15 15:23:30Z): Supported Channels is being used in interoperable products and does not appear to cause any issues that justify deprecating it.

* + - 1. Mark Ready for Motion.
    1. CID 1522 (MAC)
       1. Review Comment
       2. Review cited text at page 2750
       3. Discussion on TDLS preservation across reassociation.
       4. Strawpoll: Do you agree that TDLS sessions should be preserved across reassociation to the same AP or PCP?
          1. Results: 1y-3n-6a
       5. Proposed Resolution:

CID 1522 (MAC): REVISED (MAC: 2022-08-15 15:35:04Z): Move item 4 from the second list to immediately before item 10 in the first list and renumber both lists.

* + - 1. Mark Ready for Motion
    1. CID 1479 (MAC)
       1. Review Comment
       2. Question on if this was put the 802.11 reflector or not?
          1. Answer yes it was about Feb 9, 2022.
          2. We quickly reviewed the email thread and found many suggestions, but no clear consensus.
       3. Straw Poll: Are you okay with ACCEPT as the resolution to CID 1479?
          1. Results: 4y, 4n, 1a
       4. No Consensus – may consider at a later time.
    2. CID 2063 (MAC)
       1. Review Comment
       2. Proposed Resolution:
       3. CID 2063 (MAC): ACCEPTED (MAC: 2022-08-15 15:44:52Z)
       4. No objection – Mark Ready for Motion
    3. CID 1711 (MAC)
       1. Review Comment
       2. Review context p2816
       3. Discussion on the need for the proposed change.
       4. Assign to Joseph LEVY and schedule time for the August Adhoc.
       5. More Work required --
    4. CID 1945 (MAC)
       1. Review Comment
       2. Proposed Resolution:

CID 1945 (MAC): ACCEPTED (MAC: 2022-08-15 15:55:09Z)

* + - 1. Mark H to post to reflector for information.
    1. MAC CIDs assigned to Stephen MCCANN:
       1. CIDS: 1206, 1612, 1621, 1631, 1651, 1865, 1896, 2067, 2183 and 2356
       2. Will be presented in Doc 11-22/1269.
  1. **Adjourned 11:56am**

**References:**

**August 8th:**

1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1173-02-000m-july-august-teleconference-agenda.docx>

**August 15th:**

1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1173-03-000m-july-august-teleconference-agenda.docx>