IEEE P802.11  
Wireless LANs

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| Minutes REVmd - July and Aug Telecons | | | | |
| Date: 2017-07-28 | | | | |
| Author(s): | | | | |
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Abstract

This file contains the minutes for the 3 telecons scheduled to be held in July and Aug 2017.

R0: July 28th

1. **802.11 TGmd Telecon** – July 28, 2017 11:00-12:00 ET
   1. **Called to order** by the chair, Dorothy Stanley (HPE) at 11:03am ET.
   2. **Present** during some portion of the call:
      1. Dorothy STANLEY (chair) - HPE
      2. Graham SMITH – ST Technologies
      3. Osama ABOUL-MAGD - Huawei
      4. Adrian STEPHENS – Intel Corporation
      5. Emily QI – Intel Corporation
      6. Sue LIEICHT – NSA
      7. Mark RISON – Samsung
      8. Jon ROSDAHL - Qualcomm
      9. Mike MONTEMURRO – (Blackberry)
      10. Roger Marks (Huawei)
      11. Manish Kumar (Marvel)
      12. Marc Emmelmann (Self)
      13. Sean Coffey (Realtek)
      14. Edward AU (Huawei)
      15. Gabor BAJKO (Mediatek)
   3. **Review Patent Policy** and Participation Policy
      1. Patent policy slideset was reviewed
      2. Call for patents issued. Nobody came forward
      3. Participation Slide was reviewed.
   4. **Approve Agenda**:

The draft agenda for the July 28th teleconference was sent by email:

1.       Call to order, attendance, and patent policy

a.       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:**

 i.      Either speak up now or  
 ii.      Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or  
 iii.      Cause an LOA to be submitted

b.      <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

2.       Editor report – Emily QI

a.       Editor report document: <https://mentor.ieee.org/802.11/dcn/17/11-17-0920-03-000m-802-11revmd-editor-s-report.ppt>b.      Comments received in the recent comment collection are here: <https://mentor.ieee.org/802.11/dcn/17/11-17-0914-01-000m-revmd-wg-cc-comments.xls>

3.       Comment resolution. Available documents include

a.       Marc EMMELMAN (not presented in Berlin, ran out of time)

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1102-01-000m-resolution-for-cid-33-fils-hlp.docx>

ii.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1100-01-000m-fils-comment-resolutions.docx>

iii.       <https://mentor.ieee.org/802.11/dcn/17/11-17-1103-00-000m-comment-resolution-for-cids-52-and-53-on-suggested-rewording-of-fils-text.docx>

b.      Ganesh VENKATESAN (not presented in Berlin, ran out of time)

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1078-00-000m-resolutions-to-cids-148-and-339.doc>

c.       Jon ROSDAHL - GEN CIDS (not presented in Berlin)

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0928-01-000m-revmd-cc25-gen-comments.xlsx>

 d.      Gabor BAJKO - r0 was discussed in Berlin, more work needed

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1030-01-000m-sae-retry-timeout-clarification.docx>

e.       Mike MONTEMURRO - began discussion in Berlin

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1089-01-000m-revmd-cc25-comment-resolutions.doc>

f.        Graham SMITH - began discussion in Berlin

i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1137-00-000m-resolutions-for-obsolete-blockack.docx>

                                                             ii.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0987-01-000m-resolutions-for-dcf-and-edca-comments-d0-1.docx> - CIDs 294, 189, 282 remain

                                                           iii.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0988-00-000m-resolutions-for-qos-and-tspec-comments-d0-1.docx> - CIDs 74, 218, 17 remain

g.       James YEE/Gabor BAJKO - discussed in Berlin, needed revision

                                                               i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0971-01-000m-enhancement-to-beacon-report.docx>

h.      Stephen MCCANN - discussed in Berlin, needed revision

                                                               i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0940-01-000m-3gpp-ts-reference-per-liaison-11-17-0854-00.doc>

i.         Edward AU - remaining Editor2 comments

                                                               i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0929-02-000m-revmd-editor2-comments.xlsx>

j.         Emily QI - remaining Editor comments

                                                               i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0956-04-000m-revmd-wg-cc25-for-editor-ad-hoc.xls>

k.       Peter ECCLESINE - discussed on prior telecom

                                                               i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-0950-01-000m-cid-337-super-operating-classes.pptx>

4.       AOB, next call on Friday August 4th

5.       Adjourn

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* + 1. Mark Rison asked for some time on the 18th of Aug.
       1. Some of the resolutions assigned to Mark may need more input from the TG for the direction.
       2. Emily will have some time to present some of the CIDs in question on the 4th or the 18th.
    2. No objection to the Agenda as planned.
  1. **Editor report** – Emily QI

a.       Editor report document: <https://mentor.ieee.org/802.11/dcn/17/11-17-0920-03-000m-802-11revmd-editor-s-report.ppt>b.      Comments received in the recent comment collection are here: <https://mentor.ieee.org/802.11/dcn/17/11-17-0914-01-000m-revmd-wg-cc-comments.xls>

* + 1. The editors have incorporated all the approved resoluitions, and hope to have a new draft 0.2
    2. Draft 0.3 would have the 11ah roll-up will be posted by end of August ready for discussion in the Sept Meeting.
  1. **Comment resolution.**
  2. **Review Submissions** from Marc EMMELMAN
     1. i.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1102-01-000m-resolution-for-cid-33-fils-hlp.docx>
     2. ii.      <https://mentor.ieee.org/802.11/dcn/17/11-17-1100-01-000m-fils-comment-resolutions.docx>
     3. iii.       <https://mentor.ieee.org/802.11/dcn/17/11-17-1103-00-000m-comment-resolution-for-cids-52-and-53-on-suggested-rewording-of-fils-text.docx>
     4. These were not presented in Berlin, ran out of time
     5. CID 52 (MAC):
        1. Review Comment
        2. Proposed Resoluition: REJECTED (MAC: 2017-07-28 14:18:06Z): the proposed resolution does not provide changes to the draft that can be immediately adapted to satisfy the comment.
        3. No objection - Mark Ready for Motion – add to Comment Group Motion MAC-C
     6. CID 53 (MAC):
        1. Review Comment
        2. The Comment suggests a new table, but no one was willing to create it.
        3. Proposed Resoluition: REJECTED (MAC: 2017-07-28 14:20:59Z): the proposed resolution does not provide changes to the draft that can be immediately adapted to satisfy the comment.
        4. No objection - Mark Ready for Motion – add to Comment Group Motion MAC-C
     7. CID 33 (MAC)
        1. Review Comment
        2. Review the proposed change
           1. Suggest to not include “in all of the following…” text added.
        3. Just deleting the “/or” is sufficient.
        4. Proposed Resoution: REVISED (MAC: 2017-07-28 14:22:16Z): At 2050L20 remove "/or".
        5. No objection - Mark Ready for Motion – add to Comment Group Motion MAC-C
     8. CID 47 (MAC)
        1. Review Comment
        2. Question on “enters” vs “sets”
        3. Several of these language issues like this,
        4. MAC: 2017-07-28 14:31:39Z: Generally, agree, but would like more canonical wording than "AP enters"
        5. Action ITEM: Marc will work with Adrian offline to adjust the wording.
     9. CID 34 (MAC)
        1. Review Comment
        2. Review proposed resolution
        3. 11b only STA would not be able to support FILS with the current wording.
           1. Not sure if that was the intent.
           2. Need more investigation
        4. Discussion about the Basic rate
        5. Suggestion to delete “but shall not be transmitted in a DSSS or HR/DSSS PPDU” from the suggested resolution.
           1. We need to be conservative in our changes, and the deletion should be considered in a separate comment.
        6. Proposed Resolution: REVISED (MAC: 2017-07-28 14:34:50Z): Replace cited with "A FILS AP supporting FILS discovery may generate and transmit FILS Discovery frames. The FILS Discovery frame shall be transmitted at a mandatory PHY rate, and should be transmitted at a basic rate, but shall not be transmitted in a DSSS or HR/DSSS PPDU."
        7. No objection - Mark Ready for Motion – add to Comment Group Motion MAC-C
     10. CID 35 (MAC)
         1. Review comment
         2. Discussion
            1. The cited sentence is not creating a real requirement
            2. FILS are to be sent between Beacon Frames.
            3. The intent is to send one in each Beacon interval.
            4. How many or should there only be one between Beacon frames.
            5. The sentence could just be deleted.
            6. The rest of the paragraph addresses the interval issue.
            7. The concept is that the FILS AP will send these more frequently than Beacon frames should be captured in the introduction sentence.
            8. Question on rationale for changing the “may” to “should”?

It is to address the interval that is later discussed.

* + - 1. After discussion – a proposed sentence with “should” was proposed.
      2. Proposed Resoution: REVISED (MAC: 2017-07-28 14:51:02Z): Replace cited with "A FILS AP should transmit FILS Discovery frame(s) in every beacon interval."
      3. No objection - Mark Ready for Motion – add to Comment Group Motion MAC-C
    1. CID 36 (MAC)
       1. Review Comment
       2. Discussion:
          1. Review the interval issue
          2. There is one typo on the 2nd FDF frame – should be 60ms
       3. MAC: 2017-07-28 15:01:35Z: Reviewed discussion in 11-17-1100-01.

Ran out of time. Needs more consideration.

* + - 1. Out of time for Marc – will continue Marc’s CIDs on 25th August.
  1. **Review Submission 11-17/1030r1** - Gabor BAJKO
     1. <https://mentor.ieee.org/802.11/dcn/17/11-17-1030-01-000m-sae-retry-timeout-clarification.docx>
     2. r0 was discussed in Berlin, more work needed
     3. SAE reauthentication timer Value
     4. Abstract: [802.11-2016 spec defines the use of SAE authentication and key establishment protocol.

The SAE protocol suggests that if a response to a COMMIT message is not received during dot11RSNASAERetransPeriod (timer t0), then the originating peer may retransmit the COMMIT message. The value of the dot11RSNASAERetransPeriod variable is currently set to 40ms, which is a rather small value.

Here it is proposed to change the value of that variable to a more realistic value.

* + 1. Discussion
       1. What is the correct value?
       2. Is the final 40 correct? – yes it is the id value that happens to be the same.
       3. 2 seconds seems too long – we may want to have more testing/discussion
       4. The Document will need to be reposted with the correct footer.
       5. Review minutes from Berlin – more info was expected from hat presentiatation of R0.
       6. Does the SME set the value, or is this something that can change?
          1. MLME-START.request primitive would be the effectiveness of the changed value.
       7. We need to have some more check on other devault timeout values.
       8. For example, check RetransmitEAPpoll key frame value.
    2. There is no CID for this issue.
    3. Action Item: Mike Montemurro to check similar timeout periods in 802.1X.
  1. **Review submission 11-17/0971r1** - Gabor BAJKO –
     1. <https://mentor.ieee.org/802.11/dcn/17/11-17-0971-01-000m-enhancement-to-beacon-report.docx>
     2. discussed in Berlin, needed revision
     3. Review the entry of the Berlin minutes for discussion
     4. Discussion
        1. Is ANA needed to be consulted for ID? No
        2. Question on some of the grammar
           1. Missing “Report” from Last Beacon Indication… should be Last Beacon Report Indication.
           2. Should put “1” not “one”, and “zero” to “0”
           3. Instance of Request and Report that need checking
        3. Issue with when a report is to be generated. When the Sub-Element is included is not clear.
     5. Some proposed changes were made online and sent to Gabor for posting a new revision of the submission.
     6. Question on the changes proposed and how it would make existing implementations non-complaint.
        1. How to allow for non-complaint implementations that do not include the report was discussed.
        2. The recognition of the “optional” elements is determined to be ignored, then is the “shall” statement for the response causing a problem?
        3. Something similar in the standard (1837.51) “If the Reporting Detail is 1 and the optional Request subelement is included in the Beacon request, the corresponding Beacon report shall include the list of elements listed in the Request subelement.” And may have the same issue.
     7. The same fix should be applied to both the example and this one if it really is a problem. Not changing for now.
     8. Action Item: Dorothy to send realtime changes to Gabor and he will post a new revision. Then a motion to adopt the changes can be considered in September Interim.
  2. **Revisit the timeout question** – 11-17/1031r1
     1. In checking some timeout values – 60 seconds for IEEE8021XAuthPaeQuietPeriod.
     2. Anytime between 2 and 60 seconds may be ok.
     3. This is how this value was chosen.
     4. Remember that 802.1X timeouts are longer to allow for going to AAA server, and the SAE is to avoid going to the AAA servers.
     5. Most Implemnations set timeouts from 2 and 10 seconds for requester and suplicants.
     6. Let’s consider 11-17/1031r1 complete for now other than the footer, and will have a revision for consideration in September.
  3. **Review submission 11-17/1089r1** - Mike MONTEMURRO –
     1. <https://mentor.ieee.org/802.11/dcn/17/11-17-1089-01-000m-revmd-cc25-comment-resolutions.doc>
     2. began discussion in Berlin on R1
     3. CID 226 (PHY)
        1. Review Comment
        2. Review revised proposal
        3. Comments from Chat window from Mark Rison: “

CID 226: the text under "Revised. Replace" is not from D0.1 (some weird semicolon-related corruption?)

CID 226: "Validate that the contents" should be "Confirm that the contents"

CID 226: "Confirm that BSSID" is missing "the"

CID 226: the second half of the proposed change loses the "discard the message" aspect

CID 226: the original "if any of the following checks fail: The contents of the RSNE are not the same as that sent by the TDLS responder STA in message 2 " is ambiguous: is the failure if the contents are not the same, or if the contents are not not the same? Are we sure we have the right polarity in the new text?

* + - 1. There was some issue with the original text that is listed. An Editorial change needs to be done.
      2. The second test did not explicitly say “discard the message”
      3. Action Item: Mike to clean up and bring back for discussion.
    1. CID 234 (PHY)
       1. Review Comment
       2. Comments from Mark Rison from Chat Window:

CID 234: the locations are 1759.16, 1759.35, 1759.36 and maybe also 1753.41, 1756.1, 1756.2, 1760.2

CID 234: I think the proposed changes are slightly broken as they would result in: A STA that is in PS mode and following a wakeup schedule and has in the awake state and receives... A STA is in the doze state and receives...

CID 234: at 1759.16, I'm not sure a STA can be both in PS mode and in the awake state

CID 234: Similarly, in the NOTE, I don't think a STA in doze state can receive an ATIM frame

* + - 1. Action Item: Mike to review and update a proposed resolution in r3 of the document
      2. Will continue the discussion on Agenda for the 25th and the updated document presentation. Doc 11-17/1089r3
  1. **Next call is Aug 4th**
     1. Emily, Jon Rosdahl and
  2. **Adjorned at 12:03pm ET**

**References:**

Teleconferences are subject to applicable policies and procedures:

•       IEEE Code of Ethics

–       <http://www.ieee.org/about/corporate/governance/p7-8.html>

•       IEEE Standards Association (IEEE-SA) Affiliation FAQ

–       <http://standards.ieee.org/faqs/affiliation.html>

•       Antitrust and Competition Policy

–       <http://standards.ieee.org/resources/antitrust-guidelines.pdf>

•       IEEE-SA Patent Policy

–       <http://standards.ieee.org/develop/policies/bylaws/sect6-7.html>

–       [https://development.standards.ieee.org/myproject/Public//mytools/mob/loa.pdf](http://standards.ieee.org/board/pat/pat-slideset.ppt)

–       <http://standards.ieee.org/board/pat/faq.pdf>

–       <http://standards.ieee.org/board/pat/pat-slideset.ppt>

•       IEEE 802 Working Group Policies &Procedures (29 Jul 2016)

–       <http://www.ieee802.org/PNP/approved/IEEE_802_WG_PandP_v19.pdf>

•       IEEE 802 LMSC Chair's Guidelines (Approved 17 Mar 2017)

–       <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0201-00-00EC-ieee-802-lmsc-chairs-guidelines.pdf> as updated in <https://mentor.ieee.org/802-ec/dcn/17/ec-17-0016-06-00EC-march-2017-rule-changes.pdf>

•       Participation in IEEE 802 Meetings

–       <https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-05-00EC-ieee-802-participation-slide.pptx>

•       IEEE 802.11 WG OM: (Approved 17 Mar 2017)

–       <https://mentor.ieee.org/802.11/dcn/14/11-14-0629-19-0000-802-11-operations-manual.docx>

July 28th telecon:

Editor Report:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0920-03-000m-802-11revmd-editor-s-report.ppt>

Submissions:

1. <https://mentor.ieee.org/802.11/dcn/17/11-17-1102-01-000m-resolution-for-cid-33-fils-hlp.docx>
2. <https://mentor.ieee.org/802.11/dcn/17/11-17-1100-01-000m-fils-comment-resolutions.docx>
3. <https://mentor.ieee.org/802.11/dcn/17/11-17-1103-00-000m-comment-resolution-for-cids-52-and-53-on-suggested-rewording-of-fils-text.docx>
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