IEEE P802.11  
Wireless LANs

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| Minutes for REVme 2022 November Plenary | | | | |
| Date: 2022-11-17 | | | | |
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Abstract

Minutes for 802.11me (REVme – TGme) during the 2022 November IEEE 802 Mixed-mode Plenary. There were 4 meetings (slot times) from November 14-17, 2022. Thanks to Stephen McCann and Mark Hamilton for taking minutes while I was presenting.

R0: Initial set of minutes.

Action items:

* + - 1. ACTION ITEM #1: Mark RISON to check with Solomon as a DMG Expert.
      2. ACTION ITEM #2: Editor to talk with the SA Editors about updating the Definition section.

CID Assignments:

CID 3510 (MAC) – REVme AdHoc - Mark RISON

CID 3796 (ED1) – REVme AdHoc – Mark RISON

CID 3079 (GEN) – REVme AdHoc – Joseph LEVY

CID 3078 (GEN) – January Interim – Jon Rosdahl

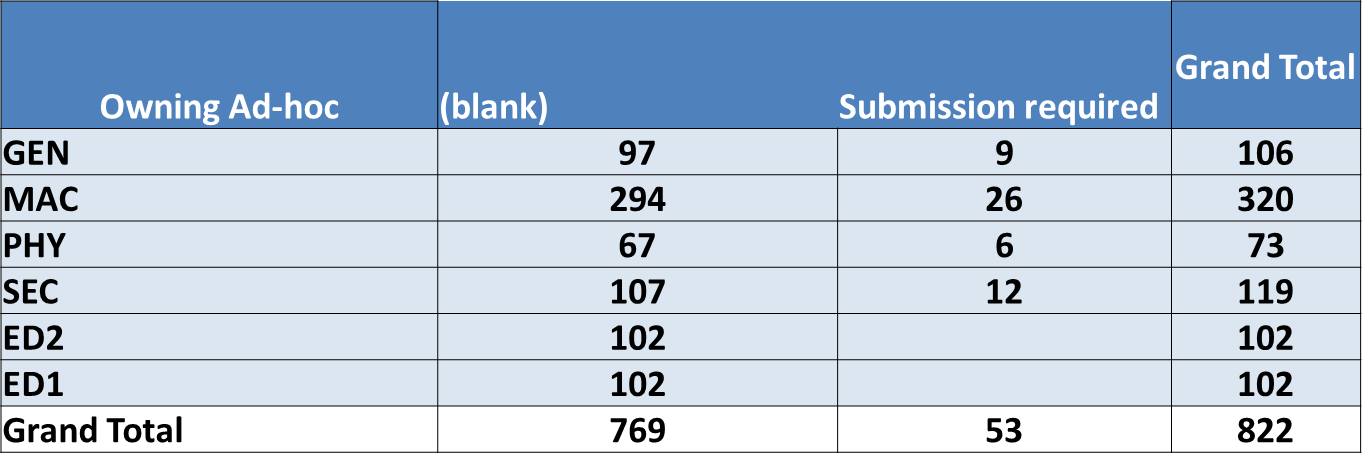
CID 3056 (SEC), 3126 (SEC), 3134 (SEC), 3222 (SEC), 3455 (SEC), 3569 (SEC), 3597 (SEC), 3134 (SEC) – January Interim – Jouni MALINEN

CID 3057 (PHY) – January Interim – Graham SMITH

1. **TGme (REVme) Mixed-mode –Monday, November 14, 2022, at 016:00-18:00 ICT**
   1. **Called to order** 8:07am HT 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. **Remember that Registration** is required for this meeting and all the meetings this week as part of the 2022 November 802 Plenary
   4. **Review Patent Policy and Copyright policy and Participation Policies.**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx>
      2. **See slides 3,** 13-22 in 11-22/1696r1:
      3. Call for Patents
         1. No response received.
      4. Review Copyright policies
         1. No items noted.
   5. **Review agenda – 11-22/1696r1:**
      1. [**https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx**](https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx)
      2. Review agenda
         1. No objection – Approved by Unanimous Consent.
   6. **Motion: Previous Minutes**
      1. Approve the minutes in document11-22/1277r0:

September Wireless Interim: <https://mentor.ieee.org/802.11/dcn/22/11-22-1277-00-000m-minutes-for-revme-2022-sept-interim.docx>

* + 1. Moved: Jon Rosdahl
    2. Seconded: Mark Hamilton
    3. Results: Unanimous. Approved
  1. **Editor Report**: 11-21/687r12 - Emily QI (Intel)
     1. <https://mentor.ieee.org/802.11/dcn/21/11-21-0687-12-000m-802-11revme-editor-s-report.pptx>
     2. Review submission
     3. To be updated to r13, after fixing the typo.
     4. Reference documents:
        1. **Draft P802.11REVme D 1.4 (members’ area)**
        + [Draft P802.11REVme\_D2.0.pdf](https://www.ieee802.org/11/private/Draft_Standards/11me/Draft%20P802.11REVme_D2.0.pdf)
        + [Draft P802.11REVme\_D2.0.pdf](https://www.ieee802.org/11/private/Draft_Standards/11me/Draft%20P802.11REVme_D2.0.pdf)
        + [Draft P802.11REVme\_D2.0 Redline Compared to D1.4.pdf](https://www.ieee802.org/11/private/Draft_Standards/11me/Draft%20P802.11REVme_D2.0%20Redline%20Compared%20to%20D1.4.pdf)
        1. **D1.4 word docs and figures are also available (member’s area) for preparing submissions.**
           + [REVme\_D2.0.rtf.zip](https://www.ieee802.org/11/private/Draft_Standards/11me/REVme_D2.0.rtf.zip)
           + [Figure Source-D2.0.zip](https://www.ieee802.org/11/private/Draft_Standards/11me/Figure%20Source-D2.0.zip)
        2. **WG LB Comments**
* <https://mentor.ieee.org/802.11/dcn/22/11-22-0065-13-000m-revme-wg-ballot-comments.xls>
  + - * 1. All CC35 Comments - 604
        2. All LB258 Comments - 1392
        3. All LB270 comments - 822
    1. LB270 Comments – Resolution Status



* + 1. The request was to push Security related to CIDs to be pushed back to SEC for resolving together.
    2. **CID 1881 – LB258 – Issue to resolve.**
       1. CID 1881 was approved in Motion 66 as:
       2. Resn Status: J (Reject)
       3. Resolution: REJECTED (SEC: 2022-06-15 17:28:35Z) - REVISED (SEC: 2022-06-15 16:16:01Z) - Make the changes shown under “Proposed changes” for CID 1881 in <https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>, which make the changes proposed by the commenter, with minor editorial tweaks.
       4. However, according to the meeting minutes (22/0846), CID 1881 should be revised, see:
       5. Proposed Resolution: REVISED (SEC: 2022-06-15 16:16:01Z) - Make the changes shown under “Proposed changes” for CID 1881 in 11-22/353r2 <<https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>>, which make the changes proposed by the commenter, with minor editorial tweaks.
       6. Would like to request a motion to revise the resolution that was approved in Motion 66.
          1. From the minutes June 2022: REVISED (SEC: 2022-06-15 16:16:01Z) - Make the changes shown under “Proposed changes” for CID 1881 in <https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>, which make the changes proposed by the commenter, with minor editorial tweaks.
       7. Proposed Motion: Resolve CID 1881 with the following updated resolution:
          1. Revised. Make the changes shown under “Proposed changes” for CID 1881 in 11-22/353r2 <<https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>>, which make the changes proposed by the commenter, with minor editorial tweaks.
       8. Proposed updated Motion to Resolve CID 1881 with the following resolution:
          1. Revised. Make the changes shown under “Proposed changes” for CID 1881 in 11-22/353r2 <https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>, which make the changes proposed by the commenter, with minor editorial tweaks and resolve CID 3520 as accepted.
       9. CID 3520 (SEC)
          1. After discussion, we determined that resolving CID 3520 with the following:
          2. Proposed Resolution: CID 3520: REVISED: Make the changes shown under “Proposed changes” for CID 1881 in <https://mentor.ieee.org/802.11/dcn/22/11-22-0353-02-000m-resolutions-for-some-comments-on-11me-d1-0-lb258.docx>, which make the changes proposed by the commenter, with minor editorial tweaks. Note: This comment CID 1881 in the previous LB was incorrectly marked as rejected and the previously approved changes are incorporated here.
          3. No Objection - Mark Ready for Motion
       10. There are other CIDs that seem to refer to CID 1881 changes that were missed. So, we should provide a similar resolution if needed.
       11. CID 3209 (SEC) seemed to be similar but was determined to be stand alone. We will still need to review the CID.
  1. **Review doc 1991r0** Jouni MALINEN (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1991-00-000m-proposed-resolutions-to-some-lb270-comments.docx>
     2. CID 3135 (SEC)
        1. Review Comment
        2. Review discussion in submission.
        3. Proposed resolution adds a new MIC Length field.
        4. Discussion on how receiver knows which AKM is being used.
        5. Change to Table 9 <new> discussed.
        6. Paragraph prior to table changed “not applicable” to “reserved”.
        7. More changes made to paragraph prior to table to add the last sentence to the end of the first sentence.
        8. Give the table a name “MIC Field Length”
        9. Proposed Resolution: CID 3135 (SEC): Revised. Incorporate the changes in 11-22/1991r1: (<https://mentor.ieee.org/802.11/dcn/22/11-22-1991-01-000m-proposed-resolutions-to-some-lb270-comments.docx>), which implements the changes proposed by the commenter.
        10. Discussion on the form of the sentence in the paragraph before the table.
        11. Suggestion to change the paragraph to match other areas of the draft.
            1. “When using AKM 25, the MIC length subfield defines the length of the MIC, as defined in Table 9-new”
        12. Caption should be MIC Length field values
        13. No objection – Mark Ready for Motion
  2. **MAC CIDs** – Mark HAMILTON (Ruckus/Arris)
     1. CID 3510 (MAC)
        1. Review Comment
        2. Discussion on the comment and the proposed change.
        3. Assign the CID to Mark RISON
        4. Mark the CID as “More Work Required”.
        5. Discussion on how to proceed.
        6. Time will be allocated during the REVme AdHoc in December for more discussion.
        7. 9.2.4.17 in the comment should be 9.2.3.17.
     2. CID 3338 (MAC)
        1. Review Comment
        2. Discussion on the direction of how to resolve.
        3. Looking for DMG SME to assign it.
        4. Assign to Mark RISON
        5. Mark R to check with someone like Solomon.
        6. Mark the CID as “More Work Required”.
        7. ACTION ITEM #1: Mark RISON to check with Solomon as a DMG Expert.
  3. **Change Agenda** to Add Doc 11-1993r0 Youhan KIM (Qualcomm)
  4. **Review Doc 11-1993r0** Youhan KIM (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1993-00-000m-definition-acronym.docx>
     2. CID 3819 (ED1)
        1. Review comment
        2. Review discussion and proposed text update in submission.
        3. Discussion on the overall style and if this is helpful.
        4. Editors would like to talk with the IEEE Editor Manual and see if this change would be agreeable to the IEEE Editorial team.
        5. Editor Meeting at 7am on Tuesday, Youhan invited to present this concept there.
        6. Assign to Youhan – CID marked as “More Work Required”
        7. Allocate time for the REVme AdHoc in Dec.
        8. ACTION ITEM #2: Editor to talk with the SA Editors about updating the Definition section.
  5. **Recess at 5:38pm**

1. **TGme (REVme) Mixed-mode –Tuesday, November 15, 2022, at 016:00-18:00 ICT**
   1. **Called to order** 4:03pm HT 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. **Remember that Registration** is required for this meeting and all the meetings this week as part of the 2022 November 802 Plenary
   4. **Review Patent Policy and Copyright policy and Participation Policies.**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx>
      2. **See slides 3,** 13-22 in 11-22/11696r2:
      3. Call for Patents
         1. No response received.
      4. Review Copyright policies
         1. No items noted.
   5. **Review agenda – 11-22/1696r2:**
      1. [**https://mentor.ieee.org/802.11/dcn/22/11-22-1696-02-000m-revme-agenda-november-2022-session.pptx**](https://mentor.ieee.org/802.11/dcn/22/11-22-1696-02-000m-revme-agenda-november-2022-session.pptx)
      2. **Agenda for Today:**
         1. Comment Resolution
         2. Trivial Editorial Comments
         3. Doc 11-22/2001 – Editor 2 comments
         4. GEN/PHY Comments
         5. Recess
      3. **No Objection to Agenda**
   6. **Trivial Editorial Comments Emily QI (Intel**
      1. https://mentor.ieee.org/802.11/dcn/22/11-22-1976-01-000m-revme-wg-lb270-editor1-ad-hoc-comments.xlsx
      2. **see Tab Motion Editor 1-2A**
      3. **Proposed Resolution for 11-22/1976r1 –** Editor 1 Trivial Comments – Mark the Trivial Comments as ready for Motion and the 37 comments can be considered for removal when we consider motions on Thursday**.**
   7. **Review Doc 11-22/2001** Editor 2 Comments – Edward AU (Huawei)
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-2001-00-000m-proposed-resolution-for-miscellaneous-lb270-comments.docx>
      2. CID 3403 (ED2)
         1. Review Comment
         2. Proposed Resolution: Accept
         3. No Objection – Mark Ready for Motion
      3. CID 3279 (ED2)
         1. Review Comment
         2. Proposed Resolution: Accept
         3. No Objection – Mark Ready for Motion
      4. CID 3210 (ED2)
         1. Review Comment
         2. Proposed Resolution: Accept
         3. No Objection – Mark Ready for Motion
      5. CID 3452 (ED2)
         1. Review Comment
         2. Proposed Resolution: Accept
         3. No Objection – Mark Ready for Motion
      6. CID 3452 (ED2)
         1. Review Comment
         2. Proposed Resolution: Revised; Make “Client” with “client”
         3. There was a typo, and the word “client” should have been in the box, so the Resolution could be accept.
         4. Updated Proposed Resolution: Accepted.
         5. No Objection – Mark Ready for Motion
      7. CID 3062 (ED2)
         1. Review Comment
         2. Proposed Resolution: Accepted
         3. No Objection – Mark Ready for Motion
      8. CID 3198 and 3197 (ED2)
         1. Review Comment
         2. Proposed Resolution for both: Accepted
         3. No Objection – Mark Ready for Motion
      9. CID 3022 (ED2)
         1. Review Comment
         2. Discussion on the proper capitalization.
         3. Pull this CID and do more offline work.
         4. Bring back. Probably not change "bit" to "field".
         5. The table and text also need to match.
         6. Check with the Style guide and only Capitalize the first word of hyphenated term.
         7. Mark CID as “More Work Required”.
         8. Allocated time during the REVme AdHoc Agenda.
      10. CID 3065 (ED2)
          1. Review comment
          2. Proposed Resolution: Accepted.
          3. No Objection – Mark Ready for Motion
      11. ID 3125 (ED2)
          1. Review comment
          2. Proposed Resolution: Accepted.
          3. No Objection – Mark Ready for Motion
      12. ID 3127 (ED2)
          1. Review comment
          2. Proposed Resolution: Accepted.
          3. No Objection – Mark Ready for Motion
      13. ID 3132 (ED2)
          1. Review comment
          2. Discussion on use of PWE.
          3. Review the proposed changes being discussed.
          4. ): Revised. Delete "(PWE)" and delete "the value of". Ready for motion. --- NOPE!!
          5. Change to “a Password Identifier element, that identifier shall”
          6. Discussion on if it is an element.
          7. Add “in that element”.
          8. It was then determined a new sentence.
          9. Proposed Resolution: CID 3132 (ED2): Incorporate the changes in 11-22/2001r1 (<https://mentor.ieee.org/802.11/dcn/22/11-22-2001-01-000m-proposed-resolution-for-miscellaneous-lb270-comments.docx>) for CID 3132.
          10. No Objection – Mark Ready for Motion
      14. CID 3142 (ED2)
          1. Review comment
          2. Proposed Resolution: Accepted.
          3. No Objection – Mark Ready for Motion
      15. CID 3188 (ED2)
          1. Review comment
          2. Suggest copying 11.1.3 (maintaining synchronization) only.
          3. Why are we changing the pointers to someplace different.
          4. The S1G beacon compatibility seemed odd place to point to.
          5. No harm in having both references.
          6. Referring to a more specific clause should be done in the PICs.
          7. Proposed Resolution: Revised; At 4662.60, Replace “Clause 9 (Frame formats)” with "9.3.4.3 (S1G Beacon frame format), 11.1.3 (Maintaining synchronization)".
          8. No Objection – Mark Ready for Motion
      16. Return to CID 3403 (ED1)
          1. There are a number of “matches its own” that are not being identified in this comment. Do we want to have more work on this type of issue, or should we globally look at resolving them all?
          2. Minor things that the Editor try to fix things according to style during the MDR, and there will be a lot of editor items that will be addressed.
          3. Discussion on if the Editor should be required to look at a wider issue or not.
          4. If someone should like to bring a contribution later that would be fine.
          5. CID 3403 (ED1) discussion: What about the other > 100 places that have "its own"? No change to the resolution. Someone can make another comment on the others. Also, overall document consistency is in the Editors' scope.
   8. **GEN CIDs –** Mike MONTEMURRO (Huawei)
      1. CID 3143 (GEN)
         1. Review comment
         2. Discussion on what the resolution should be.
         3. Proposed Resolution: Rejected; insufficient detail.
         4. No Objection – Mark Ready for Motion
      2. CID 3418 (GEN)
         1. Review Comment
         2. Review context
         3. Question on if “0” is allowed.
         4. The delay of 1 microsecond or 0 ok? The N/A is the contentious point.
         5. Proposed Resolution: Revised – Change “N/A” to “>=0’ (with a >= glyph) at 411.15 and 480.16.
         6. No objection – Mark Ready for Motion
      3. CID 3093 (GEN)
         1. Review Comment
         2. Proposed Resolution: Reject – Commenter withdrew comment.
         3. No objection – Mark Ready for Motion.
      4. CID 3382 (GEN)
         1. Review Comment
         2. Proposed Resolution: CID 3382 (GEN): Revised. Add "spatial multiplexing (SM) power save: A mode of operation that allows a station (STA) to listen using one radio frequency (RF) chain, then switch on additional RF chains for subsequent single-user multiple input, multiple output (SU-MIMO) operation."
         3. No objection – Mark Ready for Motion.
      5. CID 3766 (GEN)
         1. Review Comment
         2. Review context in draft.
         3. Proposed Change: Define "6 GHz band" in a more intuitive way: e.g., "The frequency band that includes channels with a channel center frequency between 5.95 GHz and 7.125 GHz, inclusive."
         4. Discussion on what would be a better definition should be.
         5. Then if you look for other definitions it may be simpler to just say “The 6 GHz band refers to the frequency band between 5.925 GHz and 7.125 GHz”
         6. Suggestion that the specification numbers should not be in the definition.
         7. Proposed Resolution: CID 3766 (GEN): Revised. Redefine "6 GHz band" as " The 6 GHz band refers to the frequency band between 5.925 GHz and 7.125 GHz”.
         8. Mark Ready for Motion – One Objection noted.
      6. CID 3771 (GEN)
         1. Review Comment
         2. Review context and noted that there are two on p4579.54
         3. Determine that there was an extra instance and need to change the third instance to “signal”.
         4. Proposed Resolution: CID 3771 (GEN): Revised. Delete the definition at 218.43. Replace "multicarrier signal" at 4579.54 with "signal constructed from multiple subcarriers" (first occurrence) and delete "multicarrier" in the second occurrence. At 218.43, change "where the multicarrier signal" to "where a signal constructed from multiple subcarriers" (note definite article to indefinite article change).
         5. No objection – Mark Ready for Motion
      7. CID 3078 (GEN)
         1. Review Comment
         2. Change “at” for “using”
         3. Review context.
         4. Discussion on what should be in a definition or not. Requirements should not be put in the definition. Suggestion to delete last line.
         5. Discussion on alternate definition, and the definitive definition would be better.
            1. E.g. basic MCS set: <something like>: The set of MCSs that all STAs in a BSS are capable of, or have signaled that they are capable of, receiving and transmitting.
         6. The first two sentences may need to be removed also.
         7. Assign to Jon ROSDAHL and Mark CID as “More work Required”.
         8. Assign Agenda time in January.
         9. Note that this is a similar change at line 30 as well. ... similar change for "basic rate set" at line 30
         10. Discuss on the reflector as well.
      8. CID 3079 (GEN)
         1. Review comment
         2. Discussion: "An Action frame that is not eligible for protection by the robust management frame service." might have been lost from D1.0 to D2.0)
         3. Discussion on what a new definition may be.
         4. Proposed Resolution: Accepted.
         5. No objection – Mark Ready for Motion.
      9. CID 3081 (GEN)
         1. Review Comment.
         2. Review Context.
         3. Discussion on the purpose of this sentence in clause 4.
         4. One alternative is just to remove the paragraph mark (remove the linefeed).
         5. Proposed resolution: Revised; Merge the first two paragraphs of 4.3.5.1.
         6. No objection – Mark Ready for Motion.
      10. Return to CID 3079 (GEN)
          1. The use of the term may not be as extensive as originally thought.
          2. See 9.6.15 which defines the frame.
      11. CID 3085 (GEN)
          1. Review Comment
          2. Proposed Resolution: Accepted.
          3. No Objection – Mark Ready for Motion
      12. CID 3087 (GEN)
          1. Review Comment
          2. Review Context – p721.43
          3. Proposed Resolution: Accepted
          4. No Objection – Mark Ready for Motion
   9. **Recess at 6:01pm**
2. **TGme (REVme) Mixed-mode –Wednesday, November 16, 2022, at 016:00-18:00 ICT**
   1. **Called to order** 4:03pm ICT 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. **Remember that Registration** is required for this meeting and all the meetings this week as part of the 2022 November 802 Plenary
   4. **Review Patent Policy and Copyright policy and Participation Policies.**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx>
      2. **See slides 3,** 13-22 in 11-22/16696r2:
      3. Call for Patents
         1. No response received.
      4. Review Copyright policies
         1. No items noted.
   5. **Review agenda – 11-22/1169r3:**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-03-000m-revme-agenda-november-2022-session.pptx>
      2. Review Agenda for today:
      3. Request to add FT AKM - Doc 11-22/1991 Jouni MALINEN (Qualcomm)
      4. No objection to updated agenda – see R4
   6. **Review doc 11-22/1847r3** – Graham Smith (SRTechnology)
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1847-03-000m-wep-tkip-removal.docx>
      2. CID 3056 (SEC), 3126 (SEC), 3134 (SEC), 3222 (MAC), 3455 (MAC), 3569 (GEN), 3597 (MAC), 3134 (SEC)
         1. We should be careful, though. Those are all related, but some are probably not covered by Graham's doc, for example 3126 which is about TSN security, and doesn't actually mention WEP or TKIP.
         2. Review Submission
         3. Review the proposed changes
         4. Discussion on the removal of everything or should TKIP remain.
         5. TKIP was marked Obsolete only in D2.0 of REVme.
         6. Typical process is deprecated, and then Obsolete then remove.
         7. Question on reason codes that should be used for cipher errors.
         8. The discussion on the process of Deprecated then Obsolete then removal.
         9. Discussion on the concern that TKIP is not a good security protocol and should be removed as soon as we could.
         10. ISO Comments are asking for TKIP and WEP to be removed.
         11. Straw Poll
             1. What are you in favor of

WEP

WEP + TKIP

Neither

8 – 10 – 1

* + - 1. More discussion offline will need to be done.
      2. Mark All in one comment group.
      3. Mark All as More Work Required and Assigned to Graham.
      4. Schedule time in January.
      5. Solid support for Removing WEP.
      6. We may want to look at removing WEP and then see if there is support for Removing TKIP later.
      7. Want to see effort on removal of what can achieve 75% consensus.
      8. Doc 11-22/2003r1 was posted to show WEP only removal.
      9. If the only reason for keeping TKIP is the process, then we should reevaluate this process. If there is some TKIP Technical reason for keeping TKIP, then fair enough.
      10. Concern with keeping TKIP for principle of Deprecated vs Obsolete.
      11. There are those that have other reasons for not removing TKIP than just process.
    1. **Motion #87 –** Removal of TKIP
       1. Motion: Direct TGme to remove TKIP from the REVme draft.
       2. Moved: Stephen MCCANN
       3. 2nd: Dan HARKINS
       4. Discussion - none
       5. Result:10 y 7 n 1 A – Motion Fails.
    2. Assignment of CIDs changes to Jouni MALINEN.
    3. Plan for agenda time in January.
  1. **Review doc 11-22/1868r0** – Graham SMITH
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1868-00-000m-cck-deprecation-discussion.pptx>
     2. Review the submission.
     3. CID 3057 (PHY)
        1. Review Comment: Is it time to look at removing Clause 16 HR/DSSS aka CCK from the standard? 5.5 and 11Mbps are better served by 6 and 12 Mbps OFDM. Fallback tends to go 12, 6, 2, 1 and 11 and 5.5 ar not used. Furthermore, having to support the CCK modem in addition to OFDM is a waste. Going forward there is no technical reason to keep CCK as a chipset supporting only 11b still needs two modems and it is easier to replace the CCK with OFDM even if only for 6 and 12 Mbps.
        2. Proposed Change: Let's have a discussion and get input to see if chipsets are really using CCK or whether, as I suspect, they skip over it using 6 and 12Mbbs OFDM rather than 5.5 and 11. (Or if not, they should be).
        3. We may want to check to see if there is still a need of 11b only.
        4. Need to ask if there is still interest in IOT devices.
        5. Ok to do the research on what the value of having it there in the draft.
        6. Discussion on the lower level of Wi-Fi chosen was to allow the legacy devices to work with at least one mode of operation for interoperability.
        7. Another antidote was that a company did make a device that only supported OFDM modes and did not have complaints.
        8. Mark CID as “More Work Required”.
        9. Assign to Graham Smith
        10. Allocate time in January.
  2. **Review doc 11-22/1991r2** Jouni MALINEN (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1991-02-000m-proposed-resolutions-to-some-lb270-comments.docx>
     2. CID 3135 (SEC)
        1. Review changes from last presentation.
        2. Would like to update the resolution previously prepared to point to r2.
        3. No objection – Update to R2 – still Ready for Motion.
  3. **Recess at 5:54pm**

1. **TGme (REVme) Mixed-mode –Thursday, November 16, 2022, at 016:00-18:00 ICT**
   1. **Called to order** 4:03pm ICT 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. **Remember that Registration** is required for this meeting and all the meetings this week as part of the 2022 November 802 Plenary
   4. **Review Patent Policy and Copyright policy and Participation Policies.**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-01-000m-revme-agenda-november-2022-session.pptx>
      2. **See slides 3,** 13-22 in 11-22/11696r1:
      3. Call for Patents
         1. No response received.
      4. Review Copyright policies
         1. No items noted.
   5. **Review agenda – 11-22/1696r4:**
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1696-04-000m-revme-agenda-november-2022-session.pptx>
      2. Agenda:
2. Motions
3. Doc 11-22/56r24 slide 54
4. Comment Resolution
5. Protected Password Identifiers – doc 11-22/1988 – Harkins (HPE)
6. Timeline, Teleconferences, Adhoc, Plan for November
   * 1. No Objection to the agenda
   1. **Motions:** 11-22/56r23
      1. <https://mentor.ieee.org/802.11/dcn/22/11-22-0056-23-000m-revme-motions.pptx>
      2. **Motion #88**
         1. Approve the comment resolutions in the

“Motion-EDITOR1-2A” (37 CIDs) with the exception of 3796 in 11-22/1976 <https://mentor.ieee.org/802.11/dcn/22/11-22-1976-01-000m-revme-wg-lb270-editor1-ad-hoc-comments.xlsx> ,

"Motion ED2-270-01“(13 CIDs) in <https://mentor.ieee.org/802.11/dcn/22/11-22-1971-01-000m-revme-editor2-ad-hoc-comments-on-lb270.xlsx> ,

“GEN Nov A" (10 CIDs) with the exception of 3079 and 3766 in https://mentor.ieee.org/802.11/dcn/22/11-22-2016-00-000m-revme-gen-ad-hoc-comments-on-lb270.xlsx,

“Security Motion A” tab (2 CIDs) in <https://mentor.ieee.org/802.11/dcn/22/11-22-2020-00-000m-revme-lb270-sec-adhoc-comments.xlsx> ,

and incorporate the text changes into the TGme draft.

* + - 1. Moved: Stephen McCann
      2. Seconded: Jouni Malinen
      3. Result: Unanimous. Approved.
      4. Pull CIDs 3796 (ED1) 3079 (GEN) 3766 (GEN)
      5. Moved: Stephen MCCANN
      6. 2nd: Jouni MALINEN
      7. Results: Unanimous Consent.
  1. Modify Agenda
     1. Change agenda to look at the 3 pulled CIDs.
  2. Review Pulled CIDs from Motion #88.
     1. CID 3796 (ED1)
        1. Review Comment
        2. Discussion on if the comment is correct or not.
        3. Assign to Mark RISON – Move to MAC AdHoc
        4. Mark as “More Work Required”.
        5. Scheduled for the December REVme AdHoc
     2. CID 3079 (GEN)
        1. Review comment
        2. Review previous discussions yesterday.
        3. This was discussed twice yesterday
        4. Based on searching for this in the Draft, this appears to be a frame name. If it is a frame name (only), then it doesn't need to have a definition.
        5. The issue being raised is whether the description should be plural format, or singular
        6. Self-protected Action frames is a category of frames, not a single frame type. Nonetheless, it might still be the case that we don't need a definition in clause 3.
        7. Searched through the Draft for occurrences. – 13 instances.
        8. Is this category of frames special, in some way that would justify a definition.
        9. Things like Protected Dual of Public Action frames are special, and a definition makes sense. But I don't think so in this case.
        10. Disagree - since these "Protected" frames might not be protected, that is worth calling out in a definition.
        11. Set to "More work required",
        12. Assign to Joseph LEVY.
        13. Bring back at REVme AdHoc December.
     3. CID 3766 (GEN)
        1. Review Comment
        2. Review previous discussions yesterday.
        3. There was one objection to the proposed resolution and marking this as Ready for Motion, in the prior discussion.
        4. **Motion #89: 6 GHZ**
           1. Resolve CID 3766 as: Revised. Redefine "6 GHz band" as "The 6 GHz band refers to the frequency band between 5.925 and 7.125 GHz."
           2. Moved by Jon ROSDAHL.
           3. Second by DAN HARKINS.
           4. Discussion on the motion:

In no other definition do we repeat the term, and start with this style.

* + - * 1. Motion to amend; Delete "The 6 GHz band refers to"

Moved: Jouni MALINEN

2nd: Jon ROSDAHL

Discussion on motion to amend:

Confusion on who made the motion to amend. Restated.

No objection to the motion to amend.

* + - * 1. **Amended motion #89:** Resolve CID 3766 as: Revised. Redefine "6 GHz band" as "The frequency band between 5.925 and 7.125 GHz."
        2. Discussion:

Don't believe this level of detail should be in the definition - it is too much a technical specification and will be hard to maintain.

* + - * 1. Results: Call for any objections: Motion passes with one "no" and one "abstain"
        2. There was a request for the vote count (which is difficult to do in our mixed mode). So, re-ran the motion using the Poll tool
      1. **Results for Motion #89**: 9 yes -2 no -2 abstain. Motion passes.
  1. **Review Doc 11-22/1988** – Dan HARKINS (HPE)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-1988-02-000m-protected-password-identifiers.docx>
     2. Review submission.
     3. Discussion on how this works with legacy STAs.
     4. Discussion on if how long a password needs to be kept.
     5. Discussion on failure condition action.
     6. Discussion on what requirements were not clear.
     7. Concern with the non-STA usage after the assertion of “shall”.
     8. May need to give a lifetime of the id.
     9. The technical changes may need more review.
     10. There is an expedient need for this feature and having this addressed in TGme is prudent.
     11. Question on why not presented in TGbi?
         1. TGbi is a not scheduled to complete in a time for when this needs to be deployed to the marketplace.
     12. Straw Poll: - Do you support adding protection for SAE password Identifiers to the REVme Draft?
         1. 8 yes, 2 no, 4 abstain
  2. Review Timeline:
     + **Feb 2021 – PAR Approval**
     + **March 2021– Initial meeting, issue comment collection on IEEE Std 802.11-2020 (if published)**
     + **March 2021 – Draft 0.00 available**
     + **May 2021 – Process CC input, 11ax, 11ay, 11ba integration begins**
     + **Nov 2021 – Initial D1.0 WG Letter ballot**
     + **Sep 2022 – D2.0 Recirculation LB**
     + **Mar 2023 – D3.0 Recirculation LB (11az + other amendments <11bc, 11bd, 11bb> )**
     + **Sep 2023 – D4.0 Recirculation (<other amendments – if Jul>)**
     + **Nov 2023 – D5.0 Initial SA Ballot**
     + **Mar 2024 – D6.0 Recirculation SA Ballot**
     + **May 2024 – D7.0 Recirculation SA Ballot**
     + **Jun 2024 – D7.0 Recirculation SA Ballot (clean recirculation)**
     + **Sep 2024 – RevCom/SASB Approval**
     1. Discussion – Last recirc took 9 months for 1000 comments.
     2. 6 months may be realistic guess for next recirc.
  3. **Review Teleconferences**
     1. Monday Nov 28 – 10am ET, 2hrs
     2. Friday Dec 2, 16 – 10am ET, 2hrs
     3. Friday Jan 6, 27 – 10am ET, 2hrs
     4. Monday Jan 9 – 10am ET, 2hrs
     5. Discussion on availability for dates.
     6. Secretary substitute will be needed for Nov 28 and Dec 2.
     7. How far in the future should we be planning.
        1. Session to Session.
  4. Review AdHoc – December
     1. Will meet at IEEE headquarters building 501.
     2. December 5-7:
        1. Monday 10-6; Tuesday 9-5; Wednesday 9-4.
     3. Need to provide:
        + Visitor's name, company, and contact information
        + Date and time of arrival
     4. Jon to send email to gather information for the Security at IEEE 501.
  5. Plan for January
  6. No objection to change agenda to review doc 11-22/2003r2.
  7. **Review doc 11-22/2003r2** - Jouni MALINEN (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/22/11-22-2003-02-000m-wep-removal.docx>
     2. Abstract:

This document proposes resolution to the LB270 (REVme/D2.0) comments related to removal of WEP (CIDs 3056, 3134, 3569) and a couple of additional comments asking changes in related locations (CIDs 3126, 3222, 3455, 3547, 3597).

* + 1. Review submission
    2. Assign the list of CIDs in the Abstract to Jouni MALINEN.
    3. Similar to submission from Graham SMITH.
    4. Only removes WEP. There is a mention of WEP, but only as an obsolete cipher.
    5. The Full definition of WEP is in 112.3.2, and the definition as a cipher has been removed, but the full definition is not removed.
    6. The definition that is used by TKIP etc is still there. We could do more changes to move this to TKIP subclauses, but as TKIP is now obsolete, we are not updating that.
    7. Discussion on why we may be keeping TKIP.
    8. Discussion on the process of Obsolete and deprecate reviewed.
    9. Time to be scheduled for January to bring back.
  1. **Adjourned 18:00 ICT**.

**References:**