IEEE P802.11  
Wireless LANs

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| Minutes for REVme 2024 Jan Interim - Panama | | | | |
| Date: 2024-01-18 | | | | |
| Author(s): | | | | |
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Abstract

Minutes for the 802.11me – (REVme) meetings held during the 2024 January IEEE 802 Wireless Interim held at the Hilton Panama hotel, Panama City, Panama. Thank you to Stephen McCann for helping with taking minutes Wednesday AM1.

R0: initial posting of minutes (Monday to Wednesday).

R1: Full week of Minutes included – minor edits to Monday-Wednesday were also made. (e.g. 3.8.5.6 corrected the CID number).

1. **TGme (REVme) Mixed mode -- January 15, 2024, PM2 16:00-18:00 PAN (EST)**
   1. **Called to order** at 4:03pm by the Chair, Michael Montemurro (Huawei)
   2. **Introductions of** Officers present:
      1. Chair – Michael MONTEMURRO (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Editor - Emily QI (Intel)
      5. Editor – Edward AU (Huawei)
      6. Secretary - Jon ROSDAHL (Qualcomm)
   3. **Registration Fee Required reviewed**.
   4. **Review Patent/Copyright/Participation Policies**.
      1. No Response to Call for Patent.
   5. **Review Agenda** – see doc 11-23/2167r2:
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-02-000m-revme-agenda-january-2024-session.pptx>
      2. Monday January 15, 4pm ET

1. Chair’s Welcome, Policy & patent reminder

2. Approve agenda

3. Motions

Minutes (Slide 7)

4. Editor report

5. Comment resolution

1. ED2 Review CIDs
2. CID 6140 (GEN) – Montemurro (Huawei)
3. CID 6588 (MAC) – Hamilton (Ruckus/CommScope)
4. CID 6072 (MAC) – Orr (Cisco)
5. CID 6072 (MAC) – Hart (Cisco)
6. CID 6073 (MAC) – Hart (Cisco)
7. CID 6075 (MAC) – Hart (Cisco)
8. CIDs 6081-6083 – doc 11-23/2144 – Hart (Cisco)

6. Recess

* + 1. No Objection to proposed Agenda.
  1. **Previous REVme minutes approval**
     1. Approve the minutes in documents
* November Plenary: 11-23/1923r0:

(<https://mentor.ieee.org/802.11/dcn/23/11-23-1923-00-000m-minutes-for-revme-2023-november-802-plenary-honolulu.docx>),

* December Adhoc: 11-23/2165r1:

<https://mentor.ieee.org/802.11/dcn/23/11-23-2165-01-000m-minutes-for-revme-2023-december-adhoc-piscataway.docx>

* Teleconferences:

11-23/2135r2: <https://mentor.ieee.org/802.11/dcn/23/11-23-2135-02-000m-minutes-for-revme-telecon-nov-20-2023.docx>

11-23/2151r0: <https://mentor.ieee.org/802.11/dcn/23/11-23-2151-00-000m-minutes-for-revme-telecon-dec-1-2023.docx>

11-23/2197r0: <https://mentor.ieee.org/802.11/dcn/23/11-23-2197-00-000m-minutes-for-revme-telecon-dec-15-2023.docx>

11-23/24/0026r0: <https://mentor.ieee.org/802.11/dcn/24/11-24-0026-00-000m-minutes-for-revme-telecon-jan-2024.docx>

* + 1. Moved: Stephen McCann
    2. Seconded: Mark Hamilton
    3. **Results: Unanimous Consent – Motion passes.**
  1. **Editor Report** doc 11-21/0687r19, Emily QI (Intel)
     1. <https://mentor.ieee.org/802.11/dcn/21/11-21-0687-19-000m-802-11revme-editor-s-report.pptx>
     2. Review submission.
     3. We have rolled in all the published amendments.
     4. Expect to have 4.2 ready by end of Month.
     5. The Cor 2 will be published together with 802.11bc.
     6. Review status, but it is behind the previous telecons.
     7. Need updates from AdHoc Chairs.
     8. Recommendations on Clause 6 review for D4.1 needs to be done for 11az/11bd/11bb.
     9. Plan to have the full TGme review the proposed changes for Clause 6, but will be on D5.0 in the next comment cycle.
  2. **Comment Resolution: ED2 CIDs:** - 11-23/2218r1 – Edward AU (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2218-01-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>
     2. CID 6296 (ED2)
        1. Review Comment.
        2. Discussion on the diagram.
        3. Request to clarify the past discussion and the future direction.
        4. Removal of some details may be an easy answer.
        5. We had ran out of time last time.
        6. Some objections to the direction that Edward is proposing.
        7. Some of the changes being proposed are objectionable.
        8. Straw Poll:
           1. Do you agree with resolving CID 6296 with the following resolution? Revised.Replace “802.11 Authentication Request (Open)” with “Authentication-Request (Open)” at 3122.5Replace “802.11 Authentication Response (Open)” with “Authentication-Response (Open)” at 3122.7
           2. Yes/No/Abstain.
           3. Results 8/2/6
           4. Mark Ready for Motion
     3. CID 6115 (ED2)
        1. Review Comment.
        2. Proposed Resolution: Accept.
        3. Change “also shall” to “shall”
        4. Suggest moving the word “also” to the start of the fragment.
        5. Discussion on 4 options:
           1. Option 1: replace “also shall” with “shall also”.
           2. Option 2: replace “the Authenticator also shall maintain” with “also, the Authenticator shall maintain”
           3. Option 3: Delete “also”
           4. option 4: change "; the Auth shall also" to ". The Auth shall"
        6. Proposed Resolution: Revised: change "; the Auth shall also" to ". The Auth shall"
        7. No Objection – Mark Ready for Motion.
     4. CID 6365 (ED2)
        1. Review Comment.
        2. Review proposed changes.
        3. Resolution considered:
        4. Discuss possible resolution for CID 6365:

Revised.

At 3054.44 and 3056.56, change “PN” to “packet number”.

~~At 884.31, change “WUR PN Update” to “WUR Packet Number Update”.~~

~~At 4762.24, change “WUR PN” to “WUR packet number”.~~

~~At 4765.58, 4765.64, 4766.7, change “WUR PN Update element” to“WUR Packet Number element”.~~

~~At 4765.59 and 4765.60, change “PN value” to “packet number value”.~~

~~At 4766.2, change “stored PN” with “stored packet number value”.~~

~~At 4766.9, change “PN” with “packet number”.~~

* + - 1. Discussion on not making any but the first change row.
      2. Proposed Resolution: CID 6365 (ED2) Revised: At 3054.44 and 3056.56, change “PN” to “packet number”.
      3. No Objection – Mark Ready for Motion.

* + 1. CID 6490 (ED2)
       1. Review Comment.
       2. Proposed Resolution: Revised; Incorporate the changes as shown in the document 11-23/2218r2 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2218-02-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>) under CID 6409.
       3. Discussion on the capitalization rules for the main fields.
       4. Discussion on need to review the proposal for different resolution.
       5. Mark More Work Required
       6. Schedule for January 17, PM2.
    2. CID 6160 (ED2)
       1. Review Comment.
       2. Review discussion and proposed changes.
       3. The MIB entries need to be unique.
       4. We can start changes in dot11CountersGroup 6.
       5. We cannot delete some of the MIB variables, but we can deprecate them.
       6. Changes to the proposed resolution was made in the submission for R2.
       7. Proposed Resolution: Proposed Resolution: Revised; Incorporate the changes as shown in the document 11-23/2218r2 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2218-02-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>) under CID 6160.
       8. No Objection – Mark Ready for Motion.

* + 1. CID 6395 (ED2)
       1. Review Comment.
       2. Review discussion and proposed changes.
       3. Discussion on the use of acronym of TPK.
       4. See 12.7.8.2 for context.
       5. Discussion on other issues outside the scope of the comment but may be the subject of a future comment.
       6. At 3069.7, replace “temporal” with “transient”.
       7. Proposed Resolution: Proposed Resolution: Revised; Incorporate the changes as shown in the document 11-23/2218r2 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2218-02-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>) under CID 6395.
       8. No Objection – Mark Ready for Motion.
    2. CID 6035 (ED2)
       1. Review Comment.
       2. Proposed Resolution: The CRC added the cited square brackets in consultation with the IEEE SA Publication Editors, and the CRC does not feel comfortable to make further changes at this time.
       3. Mark Ready for Motion
    3. CID 6285 (ED2)
       1. Review Comment.
       2. Mark Submission required.
       3. Commentor needs more direction to make a submission.
    4. CID 6312 (ED2)
       1. Review Comment.
       2. Mark Submission required.
  1. CID 6588 (MAC)
     1. Review Comment.
     2. Proposed Resolution: CID 6588 (MAC): REJECTED (MAC: 2024-01-15 03:51:31Z): During the Dec 8 F2F ad hoc meeting, there was no consensus whether a "zero length" field is the same as an "absent" field.  It was agreed on the Dec 15 telecon to reject the comment due to lack of consensus to make any change.
     3. No Objection – Mark Ready for Motion.
  2. CID 6140 (GEN)
     1. Review Comment.
     2. Proposed Resolution:

REJECTED (GEN: 2024-01-09 16:56:39Z) The CRC reviewed all occurrences noted in the comment for the use of lowercase for hex values. While, as the commenter notes, the use of lower and upper case for HEX digits is inconsistent overall, the use of lower and upper case for HEX digits in specific contexts (e.g. EtherType values) is consistent.

The CRC considered changing some occurrences from lower case to upper case, with the exception of C-code. However, the group failed to reach consensus on making that change (from 11-23/2197):

Approve the resolution for CID 6140 on the “GEN Motion Hex Case” tab in 11-23/1768r3 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1768-03-000m-revme-sb1-ed1-ad-hoc-comments.xlsx>), and instruct the editor to incorporate the changes into the REVme draft.

Result: Yes: 6, No: 5, Abstain: 11 (motion fails)"

* + 1. No Objection – Mark Ready for Motion.
  1. **Review Document:** 11-23/1924r3, Brian HART (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1924-03-000m-channel-usage-cids.docx>
     2. CID 6073 (MAC)
        1. Review Comment.
        2. Proposed Resolution: Rejected. Insufficient detail.
        3. No Objection – Mark Ready for Motion.
     3. CID 6074 (MAC)
        1. Review Comment.
        2. Proposed Resolution: Rejected this work is already underway in P802.11be and can continue there.
        3. No Objection – Mark Ready for Motion.
     4. CID 6071 (MAC)
        1. Review Comment.
        2. Review discussion in submission.
        3. Change of “Noninfrastructure” to “Channel-usage-aidable”.
        4. Is this only for infrastructure BSS or also a non-infrastructure BSS cases?
        5. Discussion on if table 9-266 value 0 may be an infrastructure BSS.
        6. Discussion on the wording in table 9-266 value 2.
        7. Discussion on the term Channel-usage-adding or channel-aidable or some other variant.
        8. Use of aidable vs aiding. As the suffix to channel-usage, to describe different AP devices.
        9. Straw poll:
           1. Do you agree to resolve CID 6071 with the resolution text contained in 11-23/1924r4?
           2. Yes/No/Abstain
           3. Straw poll Results: 9/3/6
        10. Proposed Resolution: Revised: Resolve CID 6071 with the resolution text contained in 11-23/1924r4?
        11. Mark Ready for Motion
  2. **Recess at 6:00pm until Tuesday AM2**

1. **TGme (REVme) Mixed-mode – Tuesday, January 16, 2024, 10:30-12:30 PAN (EST) - AM2**
   1. **Called to order** at 10:33am by the Chair, Michael Montemurro
   2. **Reminder of Registration and Attendance**
   3. **Introductions of** Officers present:
      1. Chair – Michael Montemurro (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Secretary - Jon ROSDAHL (Qualcomm)
   4. **Review Patent Policy**
      1. No items noted.
   5. **Review Agenda 11-23/2167r3**
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-03-000m-revme-agenda-january-2024-session.pptx>
      2. Tuesday January 16, 10:30am ET

Comment resolution

1. CID 6599-6603 – doc 11-23/2155 – Asterjadhi (Qualcomm)
2. CID 6127, 6128, 6129, 6133, 6135 (MAC) – Hedayat (Apple)
3. CIDs 6125, 6131, 6132, 6134 (MAC) – Jiang (Apple)
4. CID 6027, 6022 – Qi (Intel)
5. CID 6016, 6017, 6160 – doc 23/2035 – Qi (Intel)
6. Fix for Error in draft - Doc 11-24/21 – Kim (Ofinno)

Recess

* 1. **Review doc 11-23/2155** CID 6599-6603 Alfred ASTERJADHI (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2155-01-000m-cr-for-assigned-cids.docx>
     2. CID 6599 (MAC)
        1. Review Comment.
        2. Discussion on the changes that are reversing a previous CID 4251 change.
        3. Multi-TID blockack should be returned.
        4. QB4.4 was supposed to be made reserved but was not.
        5. Review the proposed resolution changes.
        6. Question on EDMG-M3.3 PICs entry, need to have reference to 9.3.1.8 removed.
        7. Proposed Resolution: CID 6599 (MAC): REVISED (MAC: 2024-01-16 15:41:58Z): Agree in principle with the comment. Please refer to detailed discussions in 11-23/2155r2.  
           <https://mentor.ieee.org/802.11/dcn/23/11-23-2155-02-000m-cr-for-assigned-cids.docx>  
           TGme editor: please implement changes as shown in 11-23/2155r2 under all headings that include CID 6599.
        8. No Objection – Mark Ready for Motion.
     3. CID 6601, 6602 and 6603 (MAC)
        1. Review Comments.
        2. Review discussion and proposed changes.
        3. Proposal adds text to Broadcast TWT similar to existing text for r-TWT.
        4. C: On TSPEC NOTE, concern about alignment of this with TGbe. R: Expect to handle that in TGmf
        5. C: In the first change, move "is a multiple of 1 TU or is 0" to be at the start of the paragraph (and reword to fit)
        6. Discussion on Target Wake Time field.
        7. More discussion on the edits requested.
        8. Will bring back tomorrow – Wednesday PM2
     4. CID 6196 (MAC)
        1. Review Comment.
        2. Proposed Resolution: CID 6196 (MAC): REVISED (MAC: 2024-01-16 16:20:20Z): Implement the changes for  
           CID 6196 in 11-23/2155r2; <https://mentor.ieee.org/802.11/dcn/23/11-23-2155-02-000m-cr-for-assigned-cids.docx>
        3. No Objection – Mark Ready for Motion.
  2. **Review doc 11-23/2028r2** - CID 6127, 6128, 6129, 6133, 6135 (MAC) – Reza HEDAYAT (Apple)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2028-01-000m-cids-related-to-p2p-twt-initial-sa-ballot.docx>
     2. CID 6127, 6128, 6129, 6133, 6135 (MAC)
        1. Proposed Resolution: Reject; Insufficient details.
     3. CID 6135 (MAC) needs to have a different reject reason.
        1. Discussion on the proposal, it could be just accepted.
        2. This clause is where other major changes are occurring, so will this cause a conflict with the other changes.
        3. Will be withdrawn and resubmitted after the other changes are incorporated.
     4. All the CIDs will be rejected with Insufficient details except CID 6135 which was withdrawn.
        1. Proposed Resolution: CID 6135 (MAC): REJECTED (MAC: 2024-01-16 16:27:25Z): The comment is withdrawn by the commenter.
        2. Proposed Resolution: CIDs 6127, 6128, 6129, 6133 (MAC): REVISED (MAC: 2023-11-17 03:25:39Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
        3. No Objection – Mark Ready for Motion.
  3. **CID 6125, 6131, 6132, 6134 (MAC)**
     1. Reject for Insufficient Details.
     2. Proposed Resolution: CIDs 6125 6131 6132 6134 (MAC): Rejected. The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
     3. No Objection – Mark Ready for Motion.
  4. **Review Doc 11-24/0099r0** Emily QI
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0099-00-000m-proposed-resolution-for-revme-cid-6022-and-6027.docx>
     2. CID 6022 (MAC)
        1. Review Comment.
        2. This should have been addressed in the editor review. (MDR).
        3. Discussion on proposed changes.
        4. Proposed Resolution: CID 6022 (MAC): REVISED (MAC: 2024-01-16 16:36:55Z): Incorporate the changes shown in 11-24/0099r0 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0099-00-000m-proposed-resolution-for-revme-cid-6022-and-6027.docx>) for CID 6022.
        5. No Objection – Mark Ready for Motion.
     3. CID 6027 (MAC)
        1. Review Comment.
        2. Review discussion in submission.
        3. Discussion on the proposed changes and the value of leaving the text as is.
        4. Discussion on where the Extended Channel Switch element vs Extended Channel Switch Frame differences need to be identified.
        5. Discussion of Max Channel Switch Time Element usage.
        6. Discussion on “it should if non-zero and may if zero”.
           1. Add “if the Channel Switch Count field is nonzero, and may include ….
        7. Proposed Resolution: CID 6027 (MAC): REVISED (MAC: 2024-01-16 16:37:51Z): Incorporate the changes shown in 11-24/0099r1 for CID 6027.
        8. No Objection – Mark Ready for Motion.
  5. **Review 11-24/0021r0** – Jeongki KIM (Ofinno)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0021-00-000m-fixing-error.docx>
     2. TGax implementation errors introduced when rolled in.
     3. Page 1970-1971 in D4.2.
     4. Editor can see where the changes are needed.
     5. Not part of a current CID.
     6. No Objection to run a separate motion on Thursday to consider these changes in 11-24/0021r0.
  6. **Recess at 12:24pm PAN (EST)** until Tuesday PM2.

1. **TGme (REVme) Mixed-mode – Tuesday, January 16, 2024, 16:00-18:00 PAN (EST) - PM2**
   1. **Called to order** at 2:03pm by the Chair, Michael Montemurro (Huawei)
   2. **Reminder of Registration and Attendance**
   3. **Introductions of** other Officers present:
      1. Chair – Michael Montemurro (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Editor - Emily QI (Intel)
      5. Secretary - Jon ROSDAHL (Qualcomm)
   4. **Review Patent Policy**
      1. No items noted.
   5. **Review Agenda** – 11-23/2167r3
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-03-000m-revme-agenda-january-2024-session.pptx>
      2. Change order of presentations See R4
         1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-04-000m-revme-agenda-january-2024-session.pptx>
      3. Tuesday January 16, 4pm ET

-- Comment resolution

1. CID 6135, 6124 and 6028 – Withdrawn.
2. CID 6016, 6017, 6160 – doc 23/2035 – Kim (Qualcomm)
3. CID 6209, 6006, 6467, 6607 – doc 11-24/85 – Kim (Qualcomm)
4. CID 6332 (GEN) – Rison (Samsung)
5. CID 6166 and 6150 – Rison (Samsung)
6. CID 6443 (MAC) – Rison (Samsung)
7. CIDs 6048, 6049, 6050 – doc 11-24/45, 17, 15 – Halasz (Morse Micro)
   * 1. No Objection to updated proposed Agenda.
   1. **CID 6135, 6124, and 6028** – Withdrawn.
      1. These CIDs will get withdrawn resolution prepared.
      2. No Objection – Mark Ready for Motion.
   2. **Review document 11-23/2035r5** - Youhan KIM (Qualcomm)
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2035-05-000m-proposed-resolution-for-sb1-cid-6016-and-more.docx>
      2. CIDs 6017, 6016, and 6169 (MAC):
         1. Review Comments.
         2. Review discussion and proposed changes.
         3. Review Clause 1.4 – for format of “not true shall set”.
         4. Straw poll regarding Note 8.
            1. Shall we delete NOTE 8, or replace it with a NOTE "The expected time of the first Beacon frame in the new channel might be determined from the Switch Time field in a Max Channel Switch Time element transmitted by the AP.", or keep it?
            2. Delete/Keep/Replace
            3. Results: 0 / 9 / 6 (34 did not respond)
         5. Continue reviewing proposed text changes.
         6. Update missing “Switch” text missing.
         7. Discussion on the importance of the information being shared.
         8. Proposed Resolution: (CIDs 6017, 6016, and 6169) Revised; Implement the changes in 11-23/2035r6 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2035-06-000m-proposed-resolution-for-sb1-cid-6016-and-more.docx>) for CIDs 6017, 6016, and 6169
         9. No Objection – Mark Ready for Motion.
   3. **Review doc 11-24/0085r3** – Youhan KIM (Qualcomm)
      1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0085-03-000m-sb1-miscellaneous-cids.docx>
      2. CID 6209 (PHY)
         1. Review Comment.
         2. Proposed Resolution:        
            CID 6209 (PHY) - Proposed Resolution: Revised; Incorporate the changes in 11-24/0085r4: <https://mentor.ieee.org/802.11/dcn/24/11-24-0085-04-000m-sb1-miscellaneous-cids.docx> for CID 6209.
         3. No Objection – Mark Ready for Motion.
      3. CID 6467 (PHY)
         1. Review Comment.
         2. Proposed Resolution: Revised; Incorporate the changes in 11-24/0085r4: <https://mentor.ieee.org/802.11/dcn/24/11-24-0085-04-000m-sb1-miscellaneous-cids.docx> for CID 6467.
         3. No Objection – Mark Ready for Motion.
      4. CID 6607 (PHY)
         1. Review Comment.
         2. Proposed Resolution: Revised; Incorporate the changes in 11-24/0085r4: <https://mentor.ieee.org/802.11/dcn/24/11-24-0085-04-000m-sb1-miscellaneous-cids.docx> for CID 6607.
         3. No Objection – Mark Ready for Motion.
      5. CID 6006 (MAC)
         1. Review Comment.
         2. Review discussion and the proposed changes.
         3. Question on VHT – it is out of scope for this CID.
         4. Edit on use of “field is present”.
         5. Some of the Editorial changes will be made in R4, Mark RISON to supply the editorial changes to Youhan.
         6. Proposed Resolution: Revised; Incorporate the changes in 11-24/0085r4: <https://mentor.ieee.org/802.11/dcn/24/11-24-0085-04-000m-sb1-miscellaneous-cids.docx> for CID 6006.
         7. No Objection – Mark Ready for Motion.
   4. **Review Doc 11-23/1750r4** Mark RISON (Samsung)
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>
      2. CID 6332 (GEN)
         1. Review Comment.
         2. Review Discussion and proposed changes.
         3. Discussion on the definition of BSA.
         4. Proposed Resolution: REVISED (GEN: 2024-01-16 22:20:33Z) Change the third para of 4.3.1 General to:

It is useful to think of each oval depicting a BSS as the coverage area within which all the member STAs of the BSS can remain in communication. (The concept of area, while not precise, is often good enough.) This area is called the basic service area (BSA). If a STA moves out of the BSA, it can no longer directly communicate with all the other STAs present in the BSA.

NOTE—In the case of transmissions such as in a directional multi-gigabit (DMG) BSS, the individual coverage area of a transmission from one member STA to another can be thought of as a cone and hence is referred to as a directional transmission. The intersection of all possible directional transmissions by all the member STAs defines the coverage area.

* + - 1. No Objection – Mark Ready for Motion.
    1. CID 6166, 6150 (SEC), 6149 (EDITOR revisit)
       1. Review Comments.
       2. Need to undo CID 6149 (EDITOR) (see Motion 119)
       3. Assign CID back to SEC
       4. Review proposed changes and discussion.
       5. Review reason for TDLS Responder STA Action, for Status Code ROBUST MANAGEMENT POLICY VIOLATION.
       6. Are requirements sufficient, and if this is new, will it make legacy non-compliant.
          1. Change “Shall” to “Should” to avoid issue.
       7. Request to remove the struck-out and yet underlined. Text removed.
       8. Question about other fields?
       9. There seems to be a lot of discussion that needs to be taken offline.
       10. Proposed Resolution: Revised; Incorporate the changes in 11-23/1750r4

(<https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>) for CID 6166, 6150 and 6149

* + - 1. No Objection – Mark Ready for Motion.
    1. CID 6443 –
       1. Proposed Resolution: CID 6443 (MAC): REJECTED (MAC: 2024-01-16 22:45:14Z): The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.
       2. No Objection – Mark Ready for Motion.
  1. **Review CIDs 6048, 6049 & 6050** - David HALESZ (Morse Micro)
     1. Individual submissions per CID.
     2. CID 6048 (PHY)
        1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0015-00-000m-cid-6048-s1g-ltf-scaling-factors.docx>
        2. Review Comment.
        3. Review proposed changes.
        4. Editorial changes made.
        5. Proposed Resolution: Revised; Incorporate the changes in 11-24/0015r1 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0015-01-000m-cid-6048-s1g-ltf-scaling-factors.docx>) for CID 6048
        6. No Objection -- Mark Ready for Motion.
     3. CID 6049 (MAC)
        1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0017-00-000m-cid-6049-s1g-a-mpdu.docx>
        2. Review Comment.
        3. Review Proposed changes.
        4. Proposed Resolution: Revised; Incorporate the changes in 11-24/0017r0 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0017-00-000m-cid-6049-s1g-a-mpdu.docx>) for CID 6049
        5. Discussion on the significance of the changes.
        6. No Objection – Mark Ready for Motion.
     4. **Request for time extension of 5 minutes** – No objection.
     5. CID 6050 (MAC)
        1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0045-01-000m-cid-6050-authentication-control-element.docx>
        2. Review Comment.
        3. Review Proposed Changes.
        4. Correct some editorial issues.
        5. Question on Table 9-69 is under ANA control or not.
           1. This is under ANA control.
        6. Proposed Resolution: Revised; Incorporate the changes in 11-24/0045r1 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0045-01-000m-cid-6050-authentication-control-element.docx>) for CID 6050
        7. No Objection – Mark Ready for Motion.
     6. CIDs 6030 (PHY) and 6031 (MAC):
        1. Mark Resolution Withdrawn comments.
  2. **Recess at 6:05 pm PAN (ET) until Wednesday AM1**

1. **TGme (REVme) Mixed-mode – Wednesday, January 17, 2024, 08:00 - 10:00 PAN (EST) AM1**
   1. **Called to order** 08:04am EST by the TG Chair, Michael MONTEMURRO (Huawei).
   2. **Reminder of Registration and Attendance**
   3. **Introductions of** TG Officers present:
      1. Chair – Michael Montemurro (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Secretary - Jon ROSDAHL (Qualcomm)
   4. **Review Patent Policy**
      1. No items noted.
   5. **Review Agenda** – 11-23/2167r4
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-04-000m-revme-agenda-january-2024-session.pptx>
      2. Wednesday January 17, 8am ET

Presentations/Comment Resolution:

1. CID 6030 (PHY), 6031 (MAC) - Withdrawn
2. IEEE 802.11 errata – doc 11-24/27 – Harkins (HPE)
3. CID 6087, 6088 – doc 11-23/1856 – Malinen (Qualcomm)
4. CID 6116, 6117, 6123 – Withdrawn – Levy (InterDigital)
5. MISC CIDs – 11-23/1750 – Rison (Samsung)

Recess

* + 1. No changes to Agenda – Primary topic is Security.
  1. **Welcome SME invited guests:**
     1. Mario LILLI (University of Milan),
     2. Roberto METERE (University of York),
     3. Luca ARNABOLD (University of Birmingham) and
     4. Elvinia RICCOBENE (University of Milan)
  2. **CIDs 6030 (PHY) and 6031 (MAC)** 
     1. Comments have been withdrawn.
     2. Update Resolution and mark ready for motion.
  3. **Review doc 11-24/0027r1 - IEEE 802.11 errata – Dan Harkins (HPE)**
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0027-01-000m-reported-sae-errata.docx>
     2. First Erratum [Password identifier]
        1. The comment was discussed.
        2. Q: What does EA mean?
        3. A: It is a password element that is sent with a commit message.
        4. C: This was originally designed for a mesh network.
        5. This comment is rejected.
     3. Second Erratum [List of rejected groups]
        1. The comment was discussed.
        2. This comment is rejected.
     4. Third Erratum [Start with different groups]
        1. The comment was discussed.
        2. C: These groups should be handled above the state machine. The rejection is reasonable.
        3. C: It would be quite a lot of work to re-write SAE.
        4. C: Perhaps it’s better to move some of the descriptive text around.
        5. C: I’ll try to produce some updated text to make the standard clearer in 12.4.4.1.
        6. Chair: Please add a comment to the next SA re-circulation ballot.
     5. Fourth Erratum [Principal role]
        1. The comment was discussed.
        2. This comment revises some text.
        3. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     6. Fifth Erratum [Missing case when using the Anti-Clogging Token]
        1. The comment was discussed.
        2. Q: There are some aspects which are not clear.
        3. A: Yes, I agree.
        4. This comment is rejected.
     7. Sixth Erratum [Incomplete KDF formula]
        1. The comment was discussed.
        2. C: Yes, I agree with this.
        3. This comment is rejected.
     8. Seventh Erratum [Title not in line with the principal description]
        1. The comment was discussed.
        2. This comment is rejected.
     9. Eighth Erratum [Conflation of Participants]
        1. The comment was discussed.
        2. C: The implementation of the SME is quite difficult, and we think it can be made more descriptive in the standard. Perhaps some of the agents can be separated from the parent process?
        3. C: I understand that SAE is within SME. Therefore, the parent process is within SME.
        4. Chair: Please add a comment to the next SA re-circulation ballot.
     10. Ninth Erratum [Clarification on the use of indicators]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     11. Tenth Erratum [Misleading description of the SME events]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     12. Eleventh Erratum [Non-existent event]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     13. Twelfth Erratum [Declared but never used event]
         1. The comment was discussed.
         2. C: Perhaps the correction to the figure can also be added to the text.
         3. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     14. Thirteenth Erratum [Declared but never used event]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     15. Fourteenth and Fifteenth Errata [Missing COM event]
         1. The comments were discussed.
         2. Chair: These errata will be motioned to be adopted into the draft in a later meeting.
     16. Sixteenth Erratum [Missing Del event and state transition]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     17. Seventeenth Erratum [Missing status code or silent deletion]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     18. Eighteenth Erratum [Algorithm identifier]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     19. Nineteenth Erratum [Missing Del event, status code or silent deletion]
         1. The comment was discussed.
         2. C: In section 12.4.5.4, there are many failure modes. I think these need to be clarified, as they could stop the processing.
         3. C: The Del event could stop the process, which may be incorrect.
         4. C: This needs to be checked for a potential denial of service attack.
         5. This comment requires more work.
         6. Chair: Please add a comment to the next SA re-circulation ballot.
     20. Twentieth Erratum [Rejection frames]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     21. Twenty-First Erratum [Deterministic PWE]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     22. Twenty-Second Erratum [PT = 1]
         1. The comment was discussed.
         2. This comment is rejected.
     23. Twenty-third Erratum [Replay attack]
         1. The comment was discussed.
         2. C: Isn’t this process open to a denial-of-service attack? You could receive 2 commit messages.
         3. C: Perhaps the frame should be silently dropped, as opposed to setting the state machine to fail.
         4. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     24. Twenty-Fourth Erratum [Missing status code or silent deletion]
         1. The comment was discussed.
         2. Chair: This erratum will be motioned to be adopted into the draft in a later meeting.
     25. Twenty-Fifth Erratum [Missing Del event, status code or silent deletion]
         1. The comment was discussed.
         2. Chair: Please add a comment to the next SA re-circulation ballot.
     26. C: I would like to thank the co-authors of this submission for all their work.
     27. It is noted that <https://mentor.ieee.org/802.11/dcn/24/11-24-0027-02-000m-reported-sae-errata.docx> has been uploaded, with the final resolution text suggestion for the errata discussion.
  4. **Review doc 11-23-1857r5** – Jouni MALINEN (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1857-05-000m-rsn-overriding.docx>
     2. CID 6087 (MAC)
        1. Review Comment.
        2. C: I would like a future motion to decide whether the comment resolution reason is revised or rejected.
        3. Depending on the result of the result of the motion, the rejected reason could be:
        4. The AdHoc status has noted the following: MAC: 2024-01-17 14:24:28Z - Reviewed updates in r5.  Agreed to try running this as a separate motion, for "Incorporate the changes, per…".  Have a back-up motion to reject for lack of consensus, something like, "Rejected.  The task group could not reach consensus on resolving this comment in the direction indicated in 11-23/1857r5.  A straw poll to go in that direction (on the r4 of that document) results were: 10-12-1."
        5. Proposed Resolution: “Rejected. The task group could not reach consensus on resolving this comment in the direction indicated in 11-23/1857r5. A straw poll to go in that direction (on the r4 of that document) results were: 10-12-1.”
        6. No Objection – Mark Ready for Motion.
  5. **Review doc 11-23-1856r5** – Mike Montemurro (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1856-05-000m-assortment-of-sa-ballot-comment.docx>
     2. CIDs 6088 (SEC)
        1. Review Comment.
        2. C: Perhaps we can suggest that the RFC 8110 (OWE) be marked as historical.
        3. Proposed Resolution: Revised: Incorporate the changes under "Proposed changes for CID 6088" section Part 1, Part 2, and Part 3 of 11-23-1856r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1856-05-000m-assortment-of-sa-ballot-comment.docx>).
        4. ACTION ITEM #1: Chair to work with the IEEE/IETF liaison to request that IETF RFC 8110 be marked as historical.
        5. No Objection – Mark Ready for Motion.
  6. **CID 6116, 6117, 6123 (PHY)** – Joseph LEVY (InterDigital)
     1. The Commenter wishes to withdraw these comments.
     2. Prepare Reject Resolutions and Mark Ready for Motion
  7. **Review doc 11-23-1750r4** – Mark RISON (Samsung)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>
     2. CIDs 6366 (PHY)
        1. Review Comment.
        2. Proposed Resolution: Rejected. Where a broadcast address might be used, this is already covered. In GCR contexts the broadcast address is not mentioned since GCR does not use the broadcast address.
        3. No Objection – Mark Ready for Motion.
     3. CIDs 6320 (GEN)
        1. Review Comment.
        2. Proposed Resolution: CID 6320 (GEN): Revised.

In 6.2 change “The management information specific to each layer is represented as a MIB for that layer. The MLME and PLME are viewed as “containing” the MIB for that layer. […] The invocation of a SET.request primitive might require that the layer entity perform certain defined actions.” to “The management information specific to each of the MAC sublayer and PHY layer is represented as a MIB for each. The MLME and PLME are viewed as “containing” the MIB for each. […] The invocation of a SET.request primitive might require that the entity perform certain defined actions.”

In 8.3.3 change “support sublayer-to-sublayer interactions” to “support interactions between the MAC sublayer and the PHY layer”.

In 8.3.4.2 change “the primitives for sublayer-to-sublayer interactions” to “the primitives for interactions between the MAC sublayer and the PHY layer”.

In the caption for 15.4.1, 16.3.1, 17.4.1, 19.4.1, 20.11.1, 21.4.1, 22.4.1 24.10.1, 25.14.1, change “PLME SAP sublayer management

primitives” to “PLME SAP layer management primitives”.

In 17.2.3 change “The MAC and PHY use this value to determine the number of octet transfers that will occur between the two sublayers during the transfer of the received PSDU.” to “The MAC and PHY

use this value to determine the number of octet transfers that will occur between them during the transfer of the received PSDU.”

In 18.4.1 change “Subclauses 18.4.2 (Regulatory requirements) to 18.4.7 (PHY transmit specifications) provide general specifications for the ERP sublayers.” to “Subclauses 18.4.2 (Regulatory requirements) to 18.4.7 (PHY transmit specifications) provide general specifications for the ERP.”

* + - 1. No Objection – Mark Ready for Motion.
    1. CIDs 6173 (MAC)
       1. Review Comment.
       2. C: CID 6172 just changes the text. It does not change the requirement that this CID suggests. It does not change the “may” or the “shall”?
       3. C: I prefer the 2nd revision option.
       4. Accepted
       5. No objection - Mark Ready for Motion
  1. **Recessed at 10:00 PAN (EST) until Wednesday PM2.**

1. **TGme (REVme) Mixed-mode – Wednesday, January 17, 2024, 16:00-18:00 PAN (ET) - PM2**
   1. **Called to order** at 2:03 pm by the Chair, Michael Montemurro (Huawei)
   2. **Reminder of Registration and Attendance**
   3. **Introductions of** other Officers present:
      1. Chair – Michael Montemurro (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Editor - Emily QI (Intel)
      5. Secretary - Jon ROSDAHL (Qualcomm)
   4. **Review Patent Policy**
      1. No items noted.
   5. **Review Agenda** – 11-23/2167r5
      1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2167-05-000m-revme-agenda-january-2024-session.pptx>
      2. Wednesday January 17, 4pm ET

Presentations

1. CIDs 6047, 6051, 6055, 6056 and 6057 (PHY) – Withdrawn
2. CID 6420 (ED1) – Rison (Samsung)
3. CID 6261 – Hamilton (Ruckus-Commscope)
4. CID 6601, 6602, 6603 – doc 11-23/2155 - Asterjadhi (Qualcomm)
5. CID 6037 (PHY) – doc 11-23/2048 – Xin (Huawei)
6. CID 6207 (MAC) – McCann (Huawei)
7. CID 6409 (ED2) – doc -11-23/2218 – Au (Huawei)
8. CID 6288 (MAC) – doc 11-24/54 – McCann (Huawei)
9. CID 6041 – doc 11-23/2058 – Gidvani (Samsung)
   * 1. Cancel “CID 6041 – doc 11-23/2058 – Gidvani (Samsung)”
        1. Will reject CID 6041 for lack of detail.
     2. No objection to modified Agenda R6.
        1. Wednesday January 17, 4pm ET

* Presentations/Comment Resolutions:

1. CIDs 6047, 6051, 6055, 6056, 6057 (PHY) and 6053 (SEC) – Withdrawn
2. CID 6420 (ED1) – Rison (Samsung)
3. CID 6601, 6602, 6603 – doc 11-23/2155 - Asterjadhi (Qualcomm)
4. CID 6207 (MAC) – McCann (Huawei)
5. CID 6288 (MAC) – doc 11-24/54 – McCann (Huawei)
6. CID 6037 (PHY) – doc 11-23/2048 – Xin (Huawei)
7. CID 6409 (ED2) – doc -11-23/2218 – Au (Huawei)
8. CID 6041 – Resolution
9. CID 6261 – Hamilton (Ruckus-Commscope)

* Recess
  1. CIDs 6047, 6051, 6055, 6056 and 6057 (PHY) – Withdrawn
     1. Proposed Resolution: Reject – Commenter withdrew comment.
     2. No Objection – Mark Ready for Motion.
  2. **Review doc 11-23/1750r4** - CID 6420 (ED1) – Rison (Samsung)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>
     2. CID 6420 (ED1)
        1. Review Comment.
        2. Review discussion and proposed changes.
        3. Proposed Resolution: Incorporate the changes in 11-23/1750r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>) for CID 6420.
        4. No Objection – Mark Ready for Motion.
  3. **Change order presentation of submissions** to accommodate submission authors that are ready for presentation.
  4. **Review doc 11-23/2152** - Alfred ASTERJADHI (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2155-02-000m-cr-for-assigned-cids.docx>
     2. CID 6601, 6602, 6603 (MAC)
        1. Review Comments.
        2. Review Discussion and proposed changes.
        3. Discussion on the order of the condition and then the action.
        4. Discussion on other editorial changes.
        5. Discussion on meaning of roll-over.
        6. Proposed Resolution: CID 6601, 6602 and 6603 (MAC): Incorporate the changes in <https://mentor.ieee.org/802.11/dcn/23/11-23-2155-03-000m-cr-for-assigned-cids.docx>, for CIDs 6601, 6602 and 6603.
        7. No Objection – Mark Ready for Motion.
  5. **Review CID 6207 (MAC)** – McCann (Huawei)
     1. Display from the database.
     2. CID 6207 (MAC)
        1. Review Comment.
        2. Proposed Resolution: CID 6207 (MAC): ACCEPTED (MAC: 2024-01-17 21:37:24Z)
        3. No Objection – Mark Ready for Motion.
  6. **Review doc 11-24/54 -** CID 6288 (MAC) –– Stephen MCCANN (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-0054-01-000m-cid-6288-comment-resolution.docx>
     2. CID 6288 (MAC)
        1. Review Comment.
        2. Review discussion in submission.
        3. Review the proposed changes.
        4. There is a new GAS Comeback Request/Response that is added after D4.1.
        5. The GAS query response it the way to refer this.
        6. We only see “GAS query response” only 2 times in the draft.
        7. The capitalization has changed to make distinction.
        8. Doc 11-23/1735r4 has been motioned and made most changes to the capitalization for the response and request.
        9. Looking for context in D4.2. – see 11.22.3.2. GAS protocol page
        10. CID 6058 was not implemented yet in D4.2.
        11. Proposed Resolution: Revised: relative to D4.2, please  
            Change “Query Response” to “GAS query response” at the following locations:  
            P1165L16, P1165L27, P1165L28, P1165L29, P1633L3  
              
            Change “GAS Query Response” to “GAS query response” at the following locations:  
            P1554L62  
              
            Change “Query Response” to “Query Response field” at the following locations:  
            P1630L51, P1631L3, P1633L28  
              
            Change “Query Request” to “query request” at the following locations:  
            P1557L62, P1564L56, P1581L27 (x2), P1633L13  
              
            Change “Query Request” to “GAS query request” at the following locations:  
            P1668L21
        12. No Objection – Mark Ready for Motion.
  7. **Review doc 11-23/2048r3 -** CID 6037 (PHY) - Yan XIN (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2048-03-000m-resolution-for-cids-6037-on-initial-sa-ballot-on-d4-0.docx>
     2. CID 6037 (PHY)
        1. Review Comment.
        2. Review Discussion and Proposed Changes.
        3. Proposed Resolution: Revised; Incorporate the changes in doc 11-23/2048r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2048-04-000m-resolution-for-cids-6037-on-initial-sa-ballot-on-d4-0.docx>) for CID 6037.
        4. No Objection – Mark Ready for Motion.
  8. **Review Doc doc -11-23/2218** - CID 6409 (ED2) –– Edward AU (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2218-03-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>
     2. CID 6409 (ED2)
        1. Review Comment.
        2. Review Proposed Changes.
        3. Proposed Resolution: Revised; Incorporate the changes as shown in the document 11-23/2218r3 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2218-03-000m-proposed-resolution-for-miscellaneous-comments-on-initial-sa-ballot-on-d4-0-part-4.docx>) under CID 6409.
        4. No Objection – Mark Ready for Motion.
  9. **CID 6041 (MAC)**
     1. The scheduled submission is not going to be produced.
     2. Proposed Resolution: Rejected – Insufficient detail.
     3. No Objection – Mark Ready for Motion.
  10. **CID 6261 (MAC)**
      1. Review Comment.
      2. Changes to CID 4014 may have already addressed the issue.
      3. The resolution with a bulleted list was pulled from a motion in December.
      4. The comment may be out of date and overcome by events.
      5. Proposed Resolution: CID 6261 (MAC): REJECTED (MAC: 2024-01-17 22:50:39Z): In D4.0, in 9.3.3.1, the subtraction is explicitly applied to both cases, so there is no issue.
      6. No Objection – Mark Ready for Motion.
  11. **Prepare for Tomorrow**
      1. Minutes through Wednesday AM1 were posted for preparing for Thursday’s Motion.
      2. AdHoc Chairs to get updates and spreadsheets posted.
      3. Only Submission required and More Work Required CIDs are only left.
  12. **Recess at 5:57 pm PAN (EST) until Thursday PM2**

1. **TGme (REVme) Mixed mode -- January 18, 2024, PM2 16:00-18:00 PAN (EST)**
   1. **Called to order** at 4:06 pm by Michael Montemurro
   2. **Introductions of** Officers present:
      1. Chair – Michael MONTEMURRO (Huawei)
      2. Vice Chair - Mark HAMILTON (Ruckus/CommScope)
      3. Vice Chair - Mark RISON (Samsung)
      4. Editor - Emily QI (Intel)
      5. Secretary - Jon ROSDAHL (Qualcomm)
   3. **Registration Fee Required reviewed**.
   4. **Review Patent/Copyright/Participation Policies**.
      1. No Response to Call for Patent.
   5. **Review Agenda** – see doc 11-23/2167r2:
      1. Thursday January 18, 4pm ET

4. Comment Resolution

1. CID 6601, 6602, 6603 - Withdrawn.
2. CIDs 6081-6083 via doc 11-23/2144 – Hart (Cisco)

5. Motions

1. Slides 3 to 12 in doc 11-24/33r0.

6. Teleconferences, Plans for March

7. AoB

8. Adjourn

* + 1. After Review of Agenda, no objections.
  1. **CID 6601, 6602, 6603** - Withdrawn.
     1. Motions will include resolutions for Reject -- Commenter withdrew comment.
     2. These CIDs will be ready for Motion.
  2. **Review doc 11-23/2144** – CIDs 6081-6083 - Hart (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/23/11-23-2144-00-000m-miscellaneous-sb1-resolutions.docx>
     2. CID 6081 (MAC)
        1. Review Comment.
        2. Review discussion and proposed changes.
        3. Discussion on where the use case can be used – Only Ships, or trains, or planes.
        4. The Language does not preclude any travel time.
        5. Discussion on deleting text that also appears in Clause 9. So delete here even though it may be better to remove from Clause 9.
        6. Review some editorial changes.
        7. Discussion on why implementing may not be acceptable.
        8. Proposed Resolution: Revised; Incorporate the changes in 11-23/2144r1 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2144-01-000m-miscellaneous-sb1-resolutions.docx>) for CID 6081.
        9. This will be run as a separate motion.
        10. Mark Ready for Motion

* + 1. CID 6082 (MAC)
       1. Review Comment.
       2. Review discussion and proposed changes.
       3. Discussion on some editorial changes.
       4. Request for some behavior description be included.
       5. Proposed Resolution: Rejected – Insufficient Details.
    2. CID 6083 (MAC)
       1. Not going to review or process.
       2. Will be rejected for Insufficient Details.
  1. **Review status of Comments**
     1. Concern on some updates.
     2. Checking of the comment spreadsheets will be done as we process the motions.
  2. **Motions:** 
     1. **Motion 131 – EDITOR1, EDITOR2 CIDs (2024-01-18)**
        1. Approve the comment resolutions in the

“Motion-ED1-SA1D” (1 CID) tab in 11-23/1743r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1743-04-000m-revme-sb1-ed1-ad-hoc-comments.xlsx>)

“Motion ED2-SA1-04” (2 CIDs) and “Motion ED2-SA1-05” (7 CIDs) tabs in 11-23/1746r7 ([https://mentor.ieee.org/802.11/dcn/23/11-23-1746-07-000m-revme-sa-ballot-1-ed2-ad-hoc-comments.xlsx](https://mentor.ieee.org/802.11/dcn/23/11-23-1746-06-000m-revme-sa-ballot-1-ed2-ad-hoc-comments.xlsx)),

and incorporate the text changes into the TGme draft.

* + - 1. Moved: Jon ROSDAHL
      2. Seconded: Emily QI
      3. Results: Unanimous Consent – Motion Passes
    1. **Motion 132 – GEN, MAC, PHY, SEC CIDs (2024-01-18)**
       1. Approve the comment resolutions in the

“GEN Motion E” tab (3 CIDs), in 11-23/1768r4

(<https://mentor.ieee.org/802.11/dcn/23/11-23-1768-04-000m-revme-gen-ad-hoc-comments-on-sb.xlsx>),

“Motion MAC-BK” tab (45 CIDs), with the exception of CIDs 6601, 6602, 6603, in 11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),

“PHY Motion 3” tab (17 CIDs) in 11-21/0727r29 (<https://mentor.ieee.org/802.11/dcn/21/11-21-0727-29-000m-revme-phy-comments.xls>),

“SEC Motion C” tab (7 CIDs) in 11-23/1755r3 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1755-03-000m-revme-sa-0-sec-adhoc-comments.xlsx>),

And resolve CIDs 6601, 6602 and 6603 as “REJECTED. Comment has been withdrawn by the commenter.”

and incorporate the text changes into the TGme draft.

* + - 1. Moved: Stephen MCCANN
      2. Seconded: Jon ROSDAHL
      3. Results: Unanimous Consent – Motion Passes
    1. **Motion 133 – Error in EDCAF text from 11ax (2024-01-18)**
       1. Incorporate the changes in 11-24/0021r0 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0021-00-000m-fixing-error.docx>), which address an error in the EDCAF description, into the REVme draft
       2. Moved: Jon ROSDAHL
       3. Seconded: Robert STACEY
       4. Results: Unanimous Consent – Motion Passes
    2. **Motion 134 – SAE Errata (2024-01-18)**
       1. Incorporate the changes in 11-24/0027r2 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0027-02-000m-reported-sae-errata.docx>), which provide text updates to the specification of SAE
       2. Moved: Dan HARKINS
       3. Seconded: Joseph LEVY
       4. Results: Unanimous Consent – Motion Passes
    3. **Motion 135 – CID 6509 (MAC) TCLAS in TSPEC element (2024-01-18)**
       1. Approve the comment resolutions in the 11-23/2032r5

“Motion MAC 6509” tab in 11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),

and incorporate the text changes into the TGme draft.

* + - 1. Moved: Stephen MCCANN
      2. Seconded: Manish KUMAR
      3. Results: Unanimous Consent – Motion Passes
    1. **Motion 136 – CID 6071 (MAC) Non-infrastructure BSS (2024-01-18)**
       1. Approve the comment resolutions in the

“Motion MAC 6071” tab in 11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),

and incorporate the text changes into the TGme draft.

* + - 1. Moved: Brian HART
      2. Seconded: Jerome HENRY
      3. Discussion – what is the correct version – R5
      4. Results: Unanimous Consent – Motion Passes
    1. **Motion 137 – Submission Required CIDs (2024-01-18)** 
       1. **Resolve the following CIDs in the**

ED1: “Submission Required" (53 CIDs) in 11-23/1743r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1743-04-000m-revme-sb1-ed1-ad-hoc-comments.xlsx>),

ED2: “Comments" (8 CIDs) in 11-23/1746r7 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1746-07-000m-revme-sa-ballot-1-ed2-ad-hoc-comments.xlsx>),

GEN: “GEN-Submission Required” tab ( 38 CIDs) in 11-23/1768r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1768-04-000m-revme-gen-ad-hoc-comments-on-sb.xlsx>),

MAC: “Submission Required” tab ( 128 CIDs) in 11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),

PHY: “Submission Required” tab (34 CIDs) in 11-21/0727r29 (<https://mentor.ieee.org/802.11/dcn/21/11-21-0727-29-000m-revme-phy-comments.xls>),

SEC: “Submission Required” tab ( 71 CIDs) in 11-23/1755r3 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1755-03-000m-revme-sa-0-sec-adhoc-comments.xlsx>),

**With the resolution “REJECTED - The comment fails to identify changes in sufficient detail so that the specific wording of the changes that will satisfy the commenter can be determined.”**

* + - 1. Move: Jon ROSDAHL
      2. Seconded: Stephen MCCANN
      3. Results: Unanimous Consent – Motion Passes
    1. **Motion 138 – More work Required CIDs (2024-01-18)**
       1. Resolve the following CIDs in the

GEN: “GEN More Work Required” tab ( 1 CID) in 11-23/1768r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1768-04-000m-revme-gen-ad-hoc-comments-on-sb.xlsx>),

MAC: “More Work Required” tab ( 9 CIDs) in 11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),

With the resolution “REJECTED - The CRC reviewed the comment and agreed that a submission was required with more detailed or updated editing instructions. In the opinion of the CRC, the current Proposed Change does not propose sufficient detail or does not have task group consensus to implement a change to the draft that would satisfy the commenter. No updated submission has been reviewed with the CRC.”

* + - 1. Moved: Stephen MCCANN
      2. Seconded: Jon ROSDAHL
      3. Discussion:
         1. Objection to the resolution. Would like a different resolution for some of the CIDs.
         2. We have had similar resolutions in the past, and this seems to be an adequate resolution to address this type of CIDs.
         3. Need to remove the ED1 CID. No Objection to removing it from the motion.
      4. Result: With one exception from Mark RISON – Motion passes
    1. **Motion 139 – CID 6087 (MAC) RSN Override (2024-01-18)**
       1. Resolve CID 6087 as “REVISED - Incorporate changes under the “Proposed changes for CID 6087” section in doc 11-23/1857r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1857-05-000m-rsn-overriding.docx>).
       2. Moved: Jouni MALINEN
       3. Seconded: Po-Kai HUANG
       4. Discussion:
          1. Speaking against the motion, concern that this resolution assists poor implementations.
          2. Speaking for the motion, these changes promote future development.
          3. Request for a Recorded Vote
          4. Speaking against the motion: Not in agreement with changes.
          5. Speaking for the motion: looking to provide for future influence.
          6. Speaking for motion: a way to improve the system situation.
          7. Speaking Against: old devices may not be upgraded, so future features tied to SSID may be a better solution.
          8. Speaking Against: Support for Legacy devices should not be removed.
          9. Speaking for motion: This change will provide system improvements. This provides a path to upgrade.
          10. Speaking Against: Examples of deprecating support by operators happens all the time, but forcing correct implementations to change is not right, and should force those with bad implementations to correct.
       5. Result: (Recorded vote – voters and their vote are listed in Appendix Motion #139 (in the reference section) 13/66/3 **Motion Fails.**
    2. **Motion 140 – CID 6087 (MAC) RSN Override (2024-01-18)**
       1. Resolve CID 6087 as

“Rejected. The task group could not reach consensus on resolving this comment in the direction indicated in 11-23/1857r5. A straw poll to go in that direction (on the r4 of that document) results were:

Do you support adding the feature along the lines described in 11-23/1857r4? Yes – 10; No – 12; Abstain – 1.”

Also, a motion on doc 11-23/1875r5 failed with the result: 13 yes; 66 No; 3 Abstain. = Motion Fails.

* + - 1. Moved: Jouni Malinen
      2. Seconded: Stephen MCCANN
      3. Results: Unanimous Consent – Motion Passes
    1. **Motion 141 – CID 6081 (MAC) (2024-01-18)**
       1. Update the resolution of CID 6081 as “Revised: Incorporate the changes in 11-23/2144r1 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2144-01-000m-miscellaneous-sb1-resolutions.docx>) under “changes for CID 6081” and instruct the editor to incorporate the changes into the REVme”
       2. Moved: Stephen MCCANN
       3. Seconded: Brian HART
       4. Discussion:
          1. CID 6081 was in the Submission Required bucket. This will be an updated resolution.
          2. R1 is posted to Mentor.
       5. Results: Unanimous Consent – Motion Passes
    2. **Motion 142** – **CID 6420 (ED1) (2024-01-18)**
       1. Resolve CID 6420 as “Revised” - incorporate the changes in  
          11-23/1750r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1750-04-000m-resolutions-for-some-comments-on-11me-d4-0-initial-sa-ballot.docx>) for CID 6420.
       2. Moved**:** Emily QI
       3. Seconded: Stephen MCCANN
       4. Results: Unanimous Consent – Motion Passes
  1. **SA Ballot Recirculation Motion**
     1. With the resolutions captured in the various AdHoc Spreadsheets and in the motion deck, a motion to approve going to recirculation was prepared.
     2. Motion Deck Slides 5-8, and 12-14 are also to be included.
     3. Motion: Having approved comment resolutions for all of the comments received from the initial SA Ballot on REVme D4.0 as contained in documents   
        11-23/1743r04 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1743-04-000m-revme-sb1-ed1-ad-hoc-comments.xlsx>),  
        11-23/1746r7 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1746-07-000m-revme-sa-ballot-1-ed2-ad-hoc-comments.xlsx>),  
        11-23/1768r4 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1768-04-000m-revme-gen-ad-hoc-comments-on-sb.xlsx>),  
        11-23/2032r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-2032-05-000m-revme-mac-sa-comments.xls>),   
        11-21/0727r29 (<https://mentor.ieee.org/802.11/dcn/21/11-21-0727-29-000m-revme-phy-comments.xls>),  
        11-23/1755r3 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1755-03-000m-revme-sa-0-sec-adhoc-comments.xlsx>),  
        11-24/0033r1 (<https://mentor.ieee.org/802.11/dcn/24/11-24-0033-01-000m-revme-motions.pptx>) in slides 5-8, and 12-14,  
        Instruct the editor to prepare Draft 5.0 incorporating these resolutions   
        and Approve a 20 day SA Ballot Recirculation asking the question “Should REVme D5.0 be forwarded to RevCom?”
     4. Moved: Jon Rosdahl
     5. Seconded: Stephen MCCANN
     6. Discussion:
        1. Is 20 days enough on the recirculation.
        2. 4.0 + 11az, +11bd, +11bb, and +11bc (w/Cor2)
     7. Results: Unanimous Consent – Motion Approved.
  2. **Editor Request** to have all the AdHoc Chairs update their CIDs and database files and move CID to EDITOR to allow as much time for Editors to get next draft ready to go.
  3. **Plan going forward.**
     1. Telecons as needed.
        1. Will schedule with 10-day notice.
     2. TGme 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**
* **July 2023 – D4.0 Recirculation**
* **Sep 2023 – D4.0 Initial SA Ballot**
* **Feb 2024 – D5.0 Recirculation SA Ballot (roll-in of published amendment 11az, 11bd, 11bc, 11bb)**
* **May 2024 – D6.0 Recirculation SA Ballot**
* **Jul 2024 – D7.0 Recirculation SA Ballot (clean recirculation)**
* **Sep 2024 – RevCom/SASB Approval**
  + 1. Adhoc Plan
       1. San Diego April 23-25 is on hold by Qualcomm.
       2. We can move to April 16-18 – to avoid some conflicts.
       3. **Adhoc Motion**
          1. Move to Authorize TGme to hold an AdHoc meeting on April 16-18, 2024, with the preferred venue being San Diego, for the purpose of SA Ballot Comment resolution.
          2. Moved: Stephen MCCANN
          3. Seconded: Jon ROSDAHL
          4. **Results:** Unanimous Consent – Motion passes.
    2. Plans for March
       1. Request 5 slots
  1. **No Other Business**
  2. **Adjourned 5:39 pm PAN (EST)**

**References:**

Appendix Motion #139

1. **Motion 139 – CID 6087 (MAC) RSN Override (2024-01-18)**

Resolve CID 6087 as “REVISED - Incorporate changes under the “Proposed changes for CID 6087” section in doc 11-23/1857r5 (<https://mentor.ieee.org/802.11/dcn/23/11-23-1857-05-000m-rsn-overriding.docx>).

Results:

A. Yes 13/99 (13%)

B. No ~~67/99 (68%)~~ 66/99 (67%)

C. Abstain 3/99 (3%)

No Answer 16/99 (16%)

Invalid voter 1/99

Total Connections on WebEx at time of motion = 99

A B C

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MILLENIUM (Room Audio Connection) | | | |

[V] Su Khiong Yong, Apple | | X | |

{Mediatek] Gabor Bajko | | X | |

[V] Peng Yan - Wi-Fi Alliance | | X | |

[V] Stephen Orr, Cisco | | X | |

[V] Emily Qi Intel | X | | |

[V] Li-Hsiang Sun, MediaTek | | X | |

V | Daniel R. Borges | Apple | | X | |

[V] Gaurav Patwardhan HPE | | X | |

[V] Li Ma, MediaTek | | | |

[V] Yonggang Fang MediaTek | | X | |

[V] Ian Sherlock, TI | X | | |

[V] Rubayet Shafin, Samsung Research America | | X | |

Jinjing Jiang | | | |

[V] Juan Carlos Zuniga, Cisco | | X | |

[V] Sudhir Srinivasa, NXP | | X | |

[V] Manish Kumar -NXP | | X | |

[V] Binita Gupta, Cisco Systems | | X | |

[V] Amer AlBaidhani, NXP | | X | |

[V] Ming Gan Huawei | | X | |

[V] Abdel Karim Ajami, Apple | | X | |

[V] Boon Loong Ng Samsung Research America | | X | |

[V] Vishnu V Ratnam, Samsung Research America | | X | |

[V] Huizhao Wang, NXP | | X | |

[NV] Malcolm Smith, Cisco | | | |

[V] Debashis Dash, Apple | | X | |

Carlos Cordeiro | X | | |

[V] Peshal Nayak, Samaung Research America | | X | |

[V] Jing Guo, NXP | | X | |

[NV] Xiayu Zheng, NXP | | | |

[V] Yong Liu, Apple | | X | |

[V] Yue Qi, Samsung Research America | | X | |

[V] Zheng Guo, NXP | | X | |

Jarkko Kneckt | | | |

[V] Yongsen Ma, Samsung | | X | |

[V] Chitto Ghosh, Apple | | X | |

[V] Kanke Wu, Apple | | X | |

[V]Ravi Gidvani, Samsung | | X | |

[V] Rui Cao, NXP | | X | |

Rakesh Taori | | X | |

[V] Hui-Ling Lou | | X | |

[V]Shailender Karmuchi [Samsung] | | X | |

[PV] Robert Zhou, Apple | | | |

Chan Andy LP P | | | |

[V] Ying Liu, NXP | | X | |

[NV] Denis Bykov, NXP | | | |

Ahmed Helmy Mohamed | | X | |

[V] Avik Santra, Infineon | | X | |

[V] Mehdi Ganji, CHARTER COMMUNICATIONS | | | X |

[V] Dan Harkins | | X | |

[V] Youhan Kim, Qualcomm Technologies, Inc. | X | | |

[V] Brian Hart, Cisco Systems | | X | |

[V] Mark RISON Samsung | X | | |

[V] Hongyuan Zhang NXP | | X | |

[V] Robert Stacey, Intel | X | | |

[V] Stephen McCann, Huawei | | X | |

[V] Menzo Wentink Qualcomm | X | | |

[V] Joseph Levy, Interdigital | X | | |

Thomas Derham | X | | |

~~[NV] Pelin Salem, Cisco Systems | | X |~~ | -- Not eligible to Vote

[V] Yunbo Li Huawei | | X | |

[V] Jerome Henry, Cisco | | X | |

Edward Au, Huawei | | | X |

[V] Taeyoung Ha Samsung | | X | |

[V] Lei Wang, Futurewei/Huawei | | X | |

[V] Myeongjin Kim, Samsung | | X | |

Tianyu Wu | | X | |

[V] Po-Kai Huang, intel | X | | |

[V] Pooya Monajemi, Apple | | X | |

[V] Srinivas Kandala Samsung | | X | |

[V] yanjun sun, apple | | X | |

[V] Anuj Batra, Apple | | X | |

Mohamed Abouelseoud | | | |

Eason Chang 張正義 | | | |

Morteza Mehrnoush | | | |

[V] Kiseon Ryu NXP | | X | |

[V] Jon Rosdahl, Qualcomm | X | | |

[V] Yan Zhang,Apple | | X | |

[V] Wook Bong Lee, Apple | | X | |

Eason Chang 張正義 | | | |

Frank Hsu | | X | |

[V] Sundeep Kancherla, Infineon | | X | |

[V] Steve Rodriguez, Cisco | | | |

[V] Sid Thakur, Apple | | X | |

[V] Jouni Malinen Qualcomm | X | | |

[V] James Yee, MediaTek | | X | |

[V] Federico Lovison, Cisco | | X | |

Kaiying Lu | | X | |

[V] Ugo Campiglio, Cisco | | X | |

[V] Benedikt Schweizer, Apple | | X | |

[V] Darshak Thakore - CableLabs | X | | |

[V] Reza Hedayat - Apple | | X | |

[V] Dave Halasz, Morse Micro | | | X |

Luo Hui CSS ICW ENG WFS | | X | |

[V] Arik Klein Huawei | | | |

[V] George Chih-Chun Kuo, MediaTek | | X | |

[V] Hank ChiHan Huang, MediaTek | | | |

[V] Yue Zhao Huawei | | X | |

[V]HanGyu Cho\_LGE | | X | |