IEEE P802.11  
Wireless LANs

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| 2024 November IEEE 802 Plenary: REVmf AdHoc Minutes | | | | |
| Date: 2024-11-11 | | | | |
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Abstract

This file has the minutes for the 802.11 REVmf AdHoc authorized by the 802.11 Chair to be held Monday November 11, 2024 and the 802.11 Task Group mf (TGmf) held on Wednesday November 13, 2024 during the 2024 November IEEE 802 Plenary

1. **2024 November IEEE 802 Plenary – 802.11 (REVmf) AdHoc – Nov 11, 2024 – PM2 (16:00-18:00)**
   1. **Called to order** by the chair Michael Montemurro (Huawei)
   2. **Review Participation, Patent and Copyright policies**
      1. No Issues noted.
   3. **Review Agenda** – 802-11-24/1662r2:
      1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1662-02-000m-revmf-agenda-november-2024-session.pptx>
      2. Monday November 11, 4pm PT
2. Chair’s Welcome, Policy & patent reminder
3. Approve agenda
4. Initial plan and timeline
5. Contributions
   1. Table 23-47 – 11-24/1821 – Halasz (Morse Micro)
   2. WUR frame identifiers – 11-24/1813 – Montemurro (Huawei)
   3. Diagnostic elements -11-24/1854 – Henry (Cisco)
   4. RSNXE validation – 11-24/1902 – Malinen (Qualcomm)
   5. REVme issue revisited – 11-24/1908 – Hart (Cisco)
6. Recess
   * 1. Wednesday November 13, 4pm PT
7. TG officer nominations
8. Contributions
9. STA/AP definition clarification – 11-24/1873 – Levy (InterDigital)
10. Plan for January, teleconferences
11. Recess
    * 1. Discussion on Agenda
         1. Note add Adjourn line to agenda.
         2. Move Brian’s Presentation to Wednesday.
         3. Move Joe to Monday
         4. Added other presentations to Wednesday
      2. See R3 for approved Agenda.
      3. No objection to approving R3.
    1. **Initial Plan and Timeline for TGmf - REVmf**

* Nov 2024 – PAR Approval
* Nov 2024 – Initial meeting, contributions on REVme D7.0
* Jan/Mar 2024 – Contributions on REVme D7.0/IEEE 802.11-2024
* Jan/Mar 2025 – Publication of 802.11-2024 and roll-in of TGbh and TGbe
* Mar or May 2025 – Initial D1.0 WG Letter ballot
* Mar/Nov 2025 – Roll-in TGbf and TGbk
* Jan 2026 – D2.0 Recirculation LB
* Jul 2026 – D3.0 Recirculation
* Jan 2027 – D4.0 Initial SA Ballot
* Jul 2027 – D5.0 Recirculation SA Ballot
* Nov 2027 – D6.0 Recirculation SA Ballot
* Jan 2028 – D7.0 Recirculation SA Ballot (clean recirculation)
* Feb 2028 – RevCom/SASB Approval
  + 1. Discussion on Proposed Plan/Timeline
    2. Question on when the REVme would be published.
    3. Suggestion to figure out what we expect to capture and then timeline.
    4. We need publication of all the amendments and Revision (TGbe and TGbh).
    5. We need to agree on what set of amendments we will roll in.
    6. We will review and approve on Wednesday, and then send to 802.11 Vice Chair for posting timeline.
  1. **Review document 11-24/1873r0** - STA/AP definition clarification– Joseph Levy (InterDigital)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1873-00-000m-proposal-to-correct-sta-is-an-ap-throughout-802-11.docx>
     2. Review submission.
     3. 38 locations for consideration.
     4. How to proceed with the edits prior to getting the official publication?
     5. We will allow folks to review between now and Wednesday, and then discuss for possible adoption.
  2. **Review Document 11-24/1821r0** - Table 23-47 – David Halasz (Morse Micro)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1821-00-000m-table23-47.docx>
     2. Review submission
     3. Simple correction
     4. Will review on Wednesday and determine acceptable or not.
  3. Mark Hamilton was assigned to be temporary chair while Mike Presented.
  4. **Review document 11-24/1813r0** - WUR frame identifiers–Michael Montemurro (Huawei)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1813-00-000m-clarification-of-identifiers-for-wur-frames.docx>
     2. Review Submission.
     3. Addresses an omission in implementing a Comment during the REVme process.
     4. This addressed the change, but there is a change to the start of the sentence is a bit different from the other entries in the table.
     5. Discusson on the use of “unique”.
     6. Remember to not include old CID in the text proposals.
     7. Discussion on the consistency in the table and order of the sentnces in table.
     8. There may be a reason to make it different from the others, we should not be making a change to restore the prior state.
     9. There was some support to leave it as proposed in the submission.
     10. Will review on Wednesday and determine acceptable or not.
  5. Return Chair to Michael Montemurro.
  6. **Review document 11-24/1854r1** - Diagnostic elements– Jerome Henry (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1854-01-000m-diagnostic-elements-augmentation.docx>
     2. Review Submission
     3. Request to make sure references are to REVme D7.0 for now.
     4. Discussion on why the changes may be needed, and what the sub-types are necessary.
     5. Question on the protection of the information that is been shared, we may find that it is protected by another organization.
     6. We can make a motion on Wednesday or consider next in January 2025.
     7. Will review on Wednesday and determine acceptable or not.
  7. **Review document 11-24/1902r0** - RSNXE validation –– Jouni Malinen (Qualcomm)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1902-00-000m-rsnxe-validation-in-fils-association.docx>
     2. Review Submission
     3. Discussion on if the change would make existing implementations non-compliant.
     4. Clause 12 is notorious for not having the proper shall statements explicitly stated.
     5. Consideration was given to use Should in the contribution but would need more review to ensure compatibility.
     6. Discussion on if we need to have that FILS validation if not all STAs are not FILS-STAs.
     7. Discussion on how much detail was needed.
     8. Discussion on the need for the new NOTE or not.
     9. The NOTE will be removed and an R1 posted.
     10. Will review on Wednesday and determine acceptable or not.
  8. **Review document 11-24/1908r0** - 11me SB1 CID 6081 do-over – Brian Hart (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1908-00-000m-11me-sb1-cid6081-do-over.docx>
     2. Review Submission
     3. Discussion on what we decided before needs to be added in, but there may be a concern on one of the use cases.
     4. Need to be careful of having this change time zones from a frame from a non-AP STA.
     5. We have seen protection of some messages, but in TGbi, it has a way to protect some of the management frames. We may want to either add what we agreed to before, or just rethink it all.
     6. Proposed to table for now, and allow some thought on using the Time Zone
     7. A confidential notice was noted in the footer, and so we asked that the document be deleted and a replacement document be reposted to 11-24/1908r0.
  9. **Adjourned the Ad Hoc at 6:42**

1. **2024 November IEEE 802 Plenary – IEEE 802.11mf (REVmf) Task Group Meeting – Wednesday, November 13, 2024 – PM2**
   1. **Called to order** at 4:05pm by the TGmf Chair, Michael Montemurro (Huawei)
   2. **Review Participation, Patent and Copyright Policies**
      1. No issues noted.
   3. **Review Agenda**:
      1. Wednesday November 13, 4pm PT
2. TG officer nominations
3. Contributions
   1. Protecting TSF – 11-24/1919 – Ptasinski (Morse Micro)
   2. SA Query – 11-24/1915 – Ptasinski (Morse Micro)
   3. STA/AP definition clarification – 11-24/1873 – Levy (InterDigital)
   4. Timezone – 11-24/1908 – Hart (Cisco)
   5. Diagnostic elements – 11-24/1854 – Henry (Cisco)
   6. UL SCS – 11-24/1944 – Gupta (Cisco)
4. Motions – 11-24/1925Motions – 11-24/1925
5. Timeline
6. Plan for January, teleconferences
7. Adjourn
   * 1. No objection to Approving the adjusted Agenda.
   1. **TG Officer Nominations**
      1. Review Proposed Officers
         1. **Pro-tem Chair: Michael Montemurro (Huawei)**
      2. **Appointed positions:**
         1. **Secretary: Jon Rosdahl (Qualcomm)**
      3. **Editors: Edward Au (Huawei), Po-kai Huang (Intel), [Supervisory] Emily Qi (Intel)**
      4. **Elected Positions:**
         1. **Call for Candidates**
         2. **Vice-Chair (2): Mark Hamilton (Ruckus/Commscope), Mark Rison (Samsung)**
      5. Motion: Elect Mark Hamilton and Mark RISON as Vice-Chairs of REVmf
         1. Moved: Jerome Henry
         2. Seconded: Graham Smith
         3. Result: Unanimous Approval
      6. Motion: Confirm appointed Positions:

Jon Rosdahl, Secretary

Edward Au and Poo-Kai Juang as Co-Editors

* + - 1. Moved: Jerome Henry
      2. Seconded: Dave Halasz
      3. Results: Unanimous approval.
  1. **Review doc: 11-24/1919** - Protecting TSF –– Henry Ptasinski (Morse Micro)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1919-01-000m-protecting-tsf-values-in-beacon-frames.docx>
     2. Review Submission
     3. This presentation adds the new facility, and also fixes a typo in the basline "non-SP STA" -> "non-AP STA".
     4. Q: What happens to currently deployed STA?
     5. R: They will still work, by seeing/using the BIPN, without knowing that the BIPN has additional meaning. It just works
     6. C: Even with this addition, the TSF could still be wrong by a relatively large amount (up to a Beacon interval).
     7. R: Agreed. But at least this keeps the damage from an attacker limited.
     8. Discussion on the value of the change.
     9. An early discussion had the TBTT rules were set maybe back in TGi or TGai?
     10. The deployment of this proposal is backward compatible, and this is a good thing.
     11. Need to Add Receiver Text.
     12. Page 3 – Change for page 3041, Line 18 - Reword in terms of equation 12-4, Should BIPN start at 1? Base std uses 1 as initial PN value for GTK.
     13. Discussion on how convenient this change would be to implement.
     14. Feedback will be incorporated in a future revision.
  2. **Review doc 11-24/1915** - SA Query – Henry Ptasinski (Morse Micro)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1915-01-000m-sa-query-improvements-for-low-transmit-devices.docx>
     2. Review submission
     3. Discussion on the use of SA-Query.
     4. Discussion on when keys are dropped and when an unprotected frame is sent, how to know if it is the real AP, and not a roque AP.
     5. Discussion on the text review and if removal of the note and reason codes is a good idea.
     6. Compliant devices will not get out of synch with each other.
     7. Feedback will be incorporated in a future revision.
  3. Need to skip Joe’s submission for now.
  4. **Review doc: 11-24/1908** Time zone – 11-24/1908 – Hart (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1908-01-000m-11me-sb1-cid6081-do-over.docx>
     2. Review Submission
     3. This was presented on Monday and has incorporated the feedback received.
     4. Review updates.
     5. Discussion on the order being indicated. Why not leave it be a different order, and just the next element in order?
     6. Just make it next in order and add “<ANA>”
     7. Feedback will be incorporated in a future revision.
  5. **Review doc 11-24/1854** - Diagnostic elements – Jerome Henry (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1854-05-000m-diagnostic-elements-augmentation.docx>
     2. Review Submission changes from Monday.
     3. Will consider in a motion later today.
  6. **Review doc 11-24/1944** – UL SCS – Gupta (Cisco)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1944-00-000m-ap-initiated-scs-for-ul.docx>
     2. Review submission
     3. Discussion on the proposed feature from TGbe, and how the feature needs to be described in the standard to be used elsewhere.
     4. Discussion on the policy changes that may be needed or not.
     5. Negative feedback on the submission was given.
     6. Discussion on page 4 – NOTE 3 – this note may need a normative statement to be added.
     7. Discussion on which layer this could be done.
     8. More offline discussion is needed.
     9. Suggested to return in January.
  7. **Motions.**
     1. **Motion #1**: November Contributions (2024-11-13)
        1. Move to Instruct the editor to incorporate the changes in

<https://mentor.ieee.org/802.11/dcn/24/11-24-1813-00-000m-clarification-of-identifiers-for-wur-frames.docx>,  
<https://mentor.ieee.org/802.11/dcn/24/11-24-1821-00-000m-table23-47.docx>,  
<https://mentor.ieee.org/802.11/dcn/24/11-24-1902-01-000m-rsnxe-validation-in-fils-association.docx>,  
<https://mentor.ieee.org/802.11/dcn/24/11-24-1908-02-000m-11me-sb1-cid6081-do-over.docx>,  
<https://mentor.ieee.org/802.11/dcn/24/11-24-1854-05-000m-diagnostic-elements-augmentation.docx>,

Into the initial TGmf Draft.

* + - 1. Moved: Jouni MALINEN
      2. Seconded: Jerome HENRY
      3. Results – Unanimous approval – without objection (approx. 30 attendees in the meeting)
  1. **Timeline review**
     1. Changed from Monday.
     2. Updated Timeline:

Nov 2024 – PAR Approval

Nov 2024 – Initial meeting, contributions on REVme D7.0

Jan/Mar 2025 – Contributions on REVme D7.0/IEEE 802.11-2024

Jan - Mar 2025 – Publication of 802.11-2024 and roll-in of TGbh and TGbe

May 2025 – Initial D1.0 WG Letter ballot

May-Nov 2025 – Roll-in TGbf and TGbk

Jan 2026 – D2.0 Recirculation LB

Jul 2026 – D3.0 Recirculation

Jan 2027 – D4.0 Initial SA Ballot – Roll-in TGbi

Jul 2027 – D5.0 Recirculation SA Ballot

Nov 2027 – D6.0 Recirculation SA Ballot

Jan 2028 – D6.0 Recirculation SA Ballot (clean recirculation)

Feb 2028 – RevCom/SASB Approval

* + 1. For the Initial Timeline, this may be a good starting point.
    2. Request to hold off submission for changes to TGbh and TGbe, to be motioned after the roll-in has occurred.
    3. Motion for REVme-2024 is ok but we need to let the Editors to have time to roll-in the other amendments.
    4. We may have presentations for amendments not rolled in, but we need to let it be rolled in before we motion to adopt it.
    5. Getting feedback to proposed submissions is a good goal ahead of the roll-ins.
  1. **Future Plan for January Interim**
     1. Request 2 slots.
     2. No AdHocs or Telecons scheduled for now.
  2. Joseph has arrived – 5:46pm
  3. **Review doc: 11-24/1873** - STA/AP definition clarification – Levy (InterDigital)
     1. <https://mentor.ieee.org/802.11/dcn/24/11-24-1873-01-000m-proposal-to-correct-sta-is-an-ap-throughout-802-11.docx>
     2. Review Submission change from Monday
     3. Desire to approve and send to Editor.
     4. No questions for Joseph.
  4. **Motion #2:** November Contribution (11-24/1873) (2024-11-13)
     1. Move to Instruct the editor to incorporate the changes in

<https://mentor.ieee.org/802.11/dcn/24/11-24-1873-01-000m-proposal-to-correct-sta-is-an-ap-throughout-802-11.docx>

into the TGmf draft.

* + 1. Moved: Moved: Joseph Levy
    2. Seconded: Jouni Malinen
    3. Results: Unanimous Approval – No Objection
  1. **Adjourned at 5:53pm**

**References:**