IEEE P802.11
Wireless LANs

|  |
| --- |
| Telecon Minutes for REVme - October-2021 |
| Date: 2021-10-01 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Jon Rosdahl | Qualcomm Technology, Inc. | 10871 N 5750 WHighland, UT 84003 | +1-801-492-4023 | jrosdahl @ ieee . org |
|  |  |  |  |  |

Abstract

R0: Oct 1 Telecon Minutes – initial version

1. **TGme (REVme) Telecon Friday October 1st, 2021, at 10-12:00 ET**
	1. Called to order 10:02am ET by the TG Chair, Michael MONTEMURRO (Huawei).
		1. Introductions of Officers.
			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)
	2. Notice of Blocking of Listserv traffic given (Sept 24-29), Please check archive to ensure you have seen all the emails sent to the stds-802-11-TGm reflector.
	3. Attendance:
		1. IMAT Reported attendance

|  |  |  |
| --- | --- | --- |
|  | Name | Affiliation |
| 1 | Au, Kwok Shum | Huawei Technologies Co., Ltd |
| 2 | Coffey, John | Realtek Semiconductor Corp. |
| 3 | Hamilton, Mark | Ruckus/CommScope |
| 4 | Kim, Youhan | Qualcomm Incorporated |
| 5 | Levy, Joseph | InterDigital, Inc. |
| 6 | Lou, Hanqing | InterDigital, Inc. |
| 7 | Lumbatis, Kurt | CommScope, Inc. |
| 8 | McCann, Stephen | Huawei Technologies Co., Ltd |
| 9 | Montemurro, Michael | Huawei Technologies Co., Ltd |
| 10 | NANDAGOPALAN, SAI SHANKAR | Synaptics |
| 11 | Petrick, Albert | Jones-Petrick and Associates, LLC. |
| 12 | RISON, Mark | Samsung Cambridge Solution Centre |
| 13 | Rosdahl, Jon | Qualcomm Technologies, Inc. |
| 14 | Torab Jahromi, Payam | Facebook |
| 15 | Wei, Dong | NXP Semiconductors |
| 16 | YANG, RUI | InterDigital, Inc. |

* + 1. Webex Attendance not in IMAT:
			1. Dave HALASZ (Morse Micro)
			2. Emily QI (Intel)
	1. Review Patent Policy and Copyright policy and Participation Policies.
		1. No issues were noted.
	2. Review agenda:11-21/1572r1:
		1. <https://mentor.ieee.org/802.11/dcn/21/11-21-1572-01-000m-sep-nov-teleconference-agendas.docx>
		2. **The approved agenda for the Sept 27-Nov 1 teleconferences is below:**

1.       Call to order, attendance (<https://imat.ieee.org/attendance> ), and patent and copyright policy

a.       Patent Policy: Ways to inform IEEE:

1. Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
2. Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
3. Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

b. Copyright Policy:

1. By participating in this activity, you agree to comply with the IEEE Code of Ethics, all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.

c.      Patent, Participation and policy related slides: See slides 4-19 in <https://mentor.ieee.org/802.11/dcn/21/11-21-0935-01-0000-2nd-vice-chair-report-july-2021.pptx>

2.       Editor report – Emily QI/Edward AU

3.       Comment resolution and motions

1. **Monday September 27, 2021 – 10am – noon Eastern**
	1. Discussion on additional teleconferences

(Open Fridays Oct 15, 22, 29, Nov 5)

* 1. Comment resolution
		1. CID 12 – Chair – Michael MONTEMURRO
		2. Document 11-21/1383 – GEN CIDs - Stephen MCCANN (Huawei)
		3. Document 11-21/1128 – Mark RISON (Samsung)
		4. Document 11-21/829 – Assigned CIDs (including CID 294) -- Mark RISON (Samsung)
		5. Document 11-21/965 – PHY CIDs – Brian Hart (Cisco)
1. **Friday October 1, 2021 – 10am – noon Eastern**
	1. Comment resolution

Montemurro (Huawei) – CID 594, 116

Document 11-21/xxxx – Wentink (Qualcomm) – TDLS CIDs

Document 11-21/809 – Bhandaru (Broadcom)

Document 11-21/816 – Rison (Samsung)

1. **Monday October 18, 2021 – 10am – noon Eastern**
	1. Comment resolution
		1. Document 11-21/1448 – Chen (Intel)
		2. Document 11-21/xxx – Qi (Intel) /Sakoda (Sony)
2. **Monday October 25, 2021 – 10am – noon Eastern**
	1. Motions (document 11-21/758r7)
		1. TBA
	2. Comment resolution
		1. <>
3. **Monday November 1, 2021 – 10am – noon Eastern**
	1. Comment resolution
		1. <>

5.       AOB

6. Adjourn

* + 1. No objection to the agenda – Unanimous Approval
	1. **Editor Report** – Emily QI (Intel)
		1. Most likely will get source file for 11ba next week.
		2. Most likely, we will have all the comment resolution and TGba into D0.04.
		3. CID 116 (SEC):
			1. Review comment
			2. Review comment history of different proposals.
			3. Discussion on the structure change that may be done later.
			4. Discussion on more changes that may or may not be a consensus point of view
			5. Proposed resolution: Revised: Replace

"If Sync is not greater than dot11RSNASAESync, the protocol instance shall verify that the finite cyclic group is the same as the previously received SAE Commit message. If not, the frame shall be silently discarded. If so, the protocol instance shall increment Sync, increment Sc, and transmit its SAE Commit message and its SAE Confirm message with the new Sc value."

with

"If Sync is not greater than dot11RSNASAESync, the protocol instance shall verify that the finite cyclic group is the same as in the previously received SAE Commit message. If it is not, the frame shall be silently discarded. Otherwise, the protocol instance shall increment Sync, increment Sc, and transmit its SAE Commit message and its SAE Confirm message with the new Sc value."

* + - 1. Straw poll on Question:
				1. Do you support what is being presented as a resolution (x.x.x)?
				2. Results: 5-3-3-3 Yes/No/Abstain/DNV
			2. Another suggested Editorial change was made also: "If Sync is not greater than dot11RSNASAESync, the protocol instance shall verify that the finite cyclic group is the same as in the previously received SAE Commit message, and if it is not, the frame shall be silently discarded. If Sync is greater than dot11RSNASAESync, the protocol instance shall increment Sync, increment Sc, and transmit its SAE Commit message and its SAE Confirm message with the new Sc value."
			3. More offline discussion will be done.
		1. CID 594 (SEC)
			1. Review comment
			2. Review proposed resolution
			3. Discussion on adding “parameter” after the parameter name.
			4. Discussion on the scope of the comment. The resolution covers what the commenter actually wanted, but the words in the comment is not precisely describing the requirement.
			5. How many counters for the Key RSC (p2631.13)? Each replay counter per TID.
			6. Review context - P418.20
			7. Proposed Resolution: Revise; At 418.31, Change "When the Key Type is Group, IGTK, or BIGTK, and the key matches the GTK, IGTK, or BIGTK, if any, installed as a result of EAPOL-Key frames (see 12.7.7.4 (Group key handshake implementation considerations)) or exiting WNM sleep mode (see 11.2.3.16.1 (WNM sleep mode capability)) receipt of this primitive shall have no effect,"

To

"When the Key Type parameter is Group, IGTK, or BIGTK, and the key matches the GTK, IGTK, or BIGTK, if any, installed as a result of EAPOL-Key frames (see 12.7.7.4 (Group key handshake implementation considerations)) or exiting WNM sleep mode (see 11.2.3.16.1 (WNM sleep mode capability)), and the Receive Sequence Count parameter is not greater than all of the current RSC value(s), receipt of this primitive shall have no effect."

* + - 1. No objection – Mark Ready for Motion
	1. **Review Document 11-21/816r6** – Rison (Samsung)
		1. <https://mentor.ieee.org/802.11/dcn/21/11-21-0816-02-000m-on-a-msdu-addressing.docx>
		2. Abstract: This submission discusses the addresses present in the context of A-MSDUs, and constraints thereon.
		3. Review submission changes from last presentation.
		4. Combining the bullets in 10.11 (see page 5 of submission).

• The RA may be a group address if all of the following conditions are met:

O the frame is from an AP or PCP, or between IBSS, PBSS or mesh STAs

O the DAs in all A-MSDU subframe headers are group addresses, or the frame is transmitted under GLK and the RA is a SYNRA

Otherwise, the RA shall be an individual address.”

* + 1. Discussion on the contents of the “NOTE”. Ok to leave as is.
		2. Discussion on the wording of the 2nd NOTE - NOTE—The address AA-AA-03-00-00-00 is that which results from an attack in which an encrypted QoS Data frame not containing an A-MSDU (whose unencrypted frame body therefore starts with an LLC header followed by a SNAP header constructed per IETF RFC 1042) has the A-MSDU Present subfield changed to 1 by an attacker to cause it to appear to be a PP A-MSDU with multiple MSDUs (each preceded by an A-MSDU subframe header, which starts with the DA).
		3. Discussion on if the rules for DA are for 2, 3 or 4 address frames.
		4. Discussion on what do the NOTEs apply. so, some formatting of the NOTEs was done to help.
		5. Discussion on the changes to the 6th paragraph.
		6. Review new page 13
		7. Return to page 8 and continue the review of proposed changes.
		8. Discussion on Page 7 – End of the note – Keep new text in main line text and clarify note. Add in “signalling and payload …”
		9. The current direction is to complete the clarification on addressing in MESH, and will incorporate in a future version.
		10. Will schedule for November.
	1. **Review Doc 11-829r5** – Mark RISON
		1. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-05-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>
		2. CID 488 (GEN)
			1. Review Comment
			2. Review proposed changes
			3. Suggestion to add better descriptors to the table changes.
			4. Suggest that we ask for editorial update to include a table number
			5. Clause 6 tables do not have table numbers which is a historical tradition, but we could add in a future revision.
			6. More work to refine the changes and bring back.
		3. CID 238 (ED1)
			1. Review Comment
			2. Review proposed changes
			3. Discussion on use of “/”.
			4. This was marked ready for motion during the Sept Interim:
		4. CID 238 (ED1)
			1. Review comment
			2. Review proposed changes.
			3. See 2170L19 and 2170L29 for context, not also lines 19 and 21 need different specific change.
			4. Proposed resolution: Revised; Make the changes shown under “Proposed changes” for CID 238 in 11-21/0829r3 <<https://mentor.ieee.org/802.11/dcn/21/11-21-0829-03-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>>, which address the issue raised by the commenter.
			5. No objection – Mark Ready for Motion
			6. Two minor additions/corrections were discussed today.
			7. Remove about 5 “RXVECTOR from the TXVECTOR/RXVECTOR
			8. Updated resolution: Revised; Make the changes shown under “Proposed changes” for CID 238 in 11-21/0829r5 <<https://mentor.ieee.org/802.11/dcn/21/11-21-0829-05-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>>, which address the issue raised by the commenter.
		5. CID 20 (PHY) - **From the PHY Database:**
			1. Review Comments
			2. Limited discussion
			3. Proposed Change: Change to "have pilots inserted following the steps described in 21.3.10.10 (Pilot subcarriers). The data subcarriers of the VHT-SIG-B field constellation points are mapped to N STS,u space-time streams by the user-specific elements of the first column of the P VHT-LTF matrix"
			4. Proposed Resolution: Accept
			5. Mark Ready for Motion
		6. CID 462 (SEC)
			1. Part of 11-21/816, so not reviewed yet.
		7. CID 477 (ED2)
			1. The specific locations of change are identified.
			2. Proposed to send to reflector to get feedback.
			3. Proposed Resolution: Revised. Make the changes shown under “Proposed changes” for CID 477 in 11-829r4 < <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-04-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx> >, which identify the specific locations where “peer entity” is to be changed to “peer STA”.
			4. \No Objection - Mark Ready for motion – will review any feedback received.
		8. CID 340 (MAC)
			1. Review Comment
			2. Review Proposed Changes
			3. Proposed Resolution: CID 340 (MAC): REVISED (MAC: 2021-10-01 15:57:09Z): Make the changes shown under “Proposed changes” for CID 340 in 11-21/829r4 <<https://mentor.ieee.org/802.11/dcn/21/11-21-0829-04-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>> , which make the last example into a Christmas tree.
			4. No objection – Mark Ready for Motion
		9. CID 324 (ED2)
			1. Review comment
			2. CID 324 (ED2): Attempt to get off-line consensus, before considering.
		10. CID 445 (MAC)
		11. Review Comment
	2. **Ran out of Time.** **– Next meeting Oct 15th.**
	3. **Adjourned 12:00pm**

**References:**

**October 1, 2021**

1. <https://mentor.ieee.org/802.11/dcn/21/11-21-1572-01-000m-sep-nov-teleconference-agendas.docx><https://mentor.ieee.org/802.11/dcn/21/11-21-0935-01-0000-2nd-vice-chair-report-july-2021.pptx>
2. <https://mentor.ieee.org/802.11/dcn/21/11-21-0816-02-000m-on-a-msdu-addressing.docx>
3. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-05-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>
4. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-03-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>
5. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-05-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>
6. <https://mentor.ieee.org/802.11/dcn/21/11-21-0829-04-000m-resolutions-for-some-comments-on-11me-d0-0-cc35.docx>