IEEE P802.11
Wireless LANs

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| IEEE 802.11TGax CRC Teleconferences Minutes September 2020 |
| Date: 2020-09-07 |
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Abstract

This document contains the minutes from the TGax teleconferences during September 2020.

Revision History:

* R0: Initial version.
	+ Minutes of TGax CRC call on September 3rd, 2020.

**Thursday, September 3rd, 2020, TGax CRC Teleconference (20:00 - 23:00 ET)**

1. **The meeting called to order at 20:02 (ET) by Osama Aboul-Magd (Huawei Technologies), the chairperson of 802.11 TGax.**
	1. Introduction of TGax chairperson and secretary.
	2. The agenda document doc.11-20/1169r0 is the working document.
2. **Attendees**
	1. Aboul-Magd, Osama (Huawei Technologies)
	2. Adachi, Tomoko (Toshiba)
	3. Chu, Liwen (NXP)
	4. Coffey, Sean (RealTek)
	5. Hamilton, Mark (CommScope)
	6. Inoue, Yasuhiko (NTT)
	7. Kim Youhan (Qualcomm)
	8. Kneckt, Jarrko (Apple)
	9. Petrick, Albert (InterDigital)
	10. Rison, Mark (Samsung)
	11. Rosdahl, Jon (Qualcomm)
	12. Schelstraete, Sigurd (Quantenna/ON)
	13. Sosac, Robert (Qualcomm)
	14. Stacey, Robert (Intel)
	15. Sun, Bo (ZTE)
3. **Agenda Setting**
	1. Proposed agenda for the TGax CRC teleconference on September 3rd, 2020.
		1. Call meeting to order
		2. IEEE-SA IPR policy and Procedure
		3. Attendance Reminder – Please record your attendance on IMAT (imat.ieee.org)
		4. Comment Resolution Status – Robert Stacey
		5. Submissions
			1. <https://mentor.ieee.org/802.11/dcn/20/11-20-1280-00-00ax-spec-text-proposal-for-pre-fec-padding-factor-parameter.docx> - Bo Sun
		6. Discussion on Cascading and possible additional text
		7. AoB
		8. Adjourn
	2. Chair asked if there is any objection to proceed with this agenda.
		1. Discussion – No discussion
		2. **The agenda for TGax CRC teleconference on September 3rd, 2020 is approved.**
4. **IEEE 802 and 802.11 IPR policy and procedure**
	1. Patent Policy:
	2. Participants have a duty to inform the IEEE - done.
		* Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
		* Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims
	3. Ways to inform IEEE: - done
		* Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
		* Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
		* 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
		1. Chair asked if anyone in this meeting is aware of any potentially essential patents.
			1. **No potentially essential patent reported.**
	4. Other guidelines for IEEE WG meetings – done
		* All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
			+ Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
			+ Don’t discuss specific license rates, terms, or conditions.
				- Relative costs of different technical approaches that include relative costs of patent licensing terms January be discussed in standards development meetings.

Technical considerations remain the primary focus

* + - * Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
			* Don’t discuss the status or substance of ongoing or threatened litigation.
			* Don’t be silent if inappropriate topics are discussed … do formally object.
	1. Patent-related information – done
		+ The patent policy and the procedures used to execute that policy are documented in the:
		+ *IEEE-SA Standards Board Bylaws* (http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6)
		+ *IEEE-SA Standards Board Operations Manual* (http://standards.ieee.org/develop/policies/opman/sect6.html#6.3)
		+ Material about the patent policy is available at
		+ [*http://standards.ieee.org/about/sasb/patcom/materials.html*](http://standards.ieee.org/about/sasb/patcom/materials.html)
	2. Participant behavior in IEEE-SA activities is guided by the IEEE Codes of Ethics & Conduct - done
	3. Participants in the IEEE-SA “individual process” shall act independently of others, including employers - done
	4. IEEE-SA standards activities shall allow the fair & equitable consideration of all viewpoints - done
1. **Attendance**
	1. <https://imat.ieee.org/>
		1. Please indicate the voter status by adding [V] or [NV] before your name on WebEx.
2. **Submissions**
	1. **Bo Sun (ZTE) presented “Spec Text Proposal for Pre-FEC Padding Factor Parameter,” based on the submission** [**doc.11-20-1280-01**](https://mentor.ieee.org/802.11/dcn/20/11-20-1280-01-00ax-spec-text-proposal-for-pre-fec-padding-factor-parameter.docx)**.**
		1. Summary
			1. For the PHY layer to complete the Pre-FEC Padding process, it is proposed to add a TXVECTOR parameter PRE\_FEC\_PADDING\_FACTOR for MAC to transfer the Pre-FEC Padding Factor parameter to PHY.
		2. Discussion
			1. The group discussed the relation between HE TB PPDU and the proposal.
			2. A member commented that some text is needed for subclause under 26.11 (Setting TXVECTOR parameters for an HE PPDU) as well as 27.3.12.5.5 (Encoding process for an HE TB PPDU).
			3. There was a question how to implement this change since D7.0 is in the process of IEEE-SA recirculation ballot and we do not have related comment. There was a recommendation to submit related comment for D7.0.
* TGax chair mentioned we will discuss this proposal during the next TGax CRC teleconference.
	+ 1. Next Step
			1. The submission will be revisited during the next TGax CRC teleconference (September 17th, 2020)..
	1. **Discussion on MU Cascading**
		1. The group discussed the first sentence of the subclause 26.5.3 (MU cascading sequence). “An MU cascading sequence is a frame exchange sequence between an AP and one or more non-AP STAs carried in an HE MU PPDU in the downlink and HE TB PPDU in the uplink and characterized by the exchange of Control, Data and/or Management frames in both directions. An example of an MU cascading sequence is shown in Figure 26-5 (An example of an MU cascading sequence).”
		2. The group discussed alternative sentence, however, there was no agreement. Some members prefer to keep current text even though it is not perfect.
		3. The TGax chairperson suggested email discussion.
		4. Next Step
			1. TGax will discuss this issue during the next TGax CRC teleconference (September 17th, 2020). In the meantime, TGax reflector will be used for the discussion.
1. **AoB**
	1. No other business.
2. **Adjournment**
	1. TGax CRC teleconference on September 3rd, 2020 has adjourned @ 20:36 (ET).