IEEE P802.11
Wireless LANs

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| IEEE 802.11TGax September 2020 Online Interim Meeting Minutes |
| Date: 2020-09-23 |
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Abstract

This document contains the minutes from the TGax online meeting during the IEEE 802.11 September 2020 Interim session.

Revision History:

* R0: Initial version.

**Thursday, September 17th, 2020, TGax CRC Teleconference (19:00 - 21:00 ET)**

1. **The meeting called to order at 19:02 (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. Agrawal, Abhishek (ON Semiconductor)
	4. An, Song-Haur (Independent)
	5. Asterjadhi, Alfred (Qualcomm)
	6. Au, Oscar (Origin Wireless)
	7. Berkema, Alan (HP Inc.)
	8. Cheng, Paul (MediaTek)
	9. Goto, Fumihide (self)
	10. Hamilton, Mark (Ruckus/CommScope)
	11. Hart, Brian (Cisco Systems)
	12. Huang, Po-Kai (Intel)
	13. Inoue, Yasuhiko (NTT)
	14. Jones, Allan (Activision)
	15. Kim, Jeongki (LG Electronics)
	16. Kim, Yongho (Korea National Univrtsity of Transportation)
	17. Kim, Youhan (Qualcomm)
	18. Lee, Il-Gu (Sungshin University)
	19. Li, Nan (ZTE)
	20. Lindskog, Erik (Samsung)
	21. Liu, Der-Zheng (RealTek)
	22. Mehrnoush, Morteza (Facebook)
	23. Merlin, Simone (Qualcomm)
	24. Moon, Juseong (Korea National University of Transportation)
	25. Nam, Junyoung (Qualcomm)
	26. Nandagopalan, Sai Shankar (Cypress Semiconductor)
	27. Noh, Yujin (Newracom)
	28. Palm, Stephen (Broadcom)
	29. Patil, Abhishek (Qualcomm)
	30. Perkins, Richard (Qorvo)
	31. Petrick, Albert (InterDigital)
	32. Pirhonen, Riku (self)
	33. Qiu, Wei (Huawei Technologies)
	34. Rezk, Meriam (Qualcomm)
	35. Rosdahl, Jon (Qualcomm)
	36. Schelstraete, Sigurd (Quantenna/ON)
	37. Segev, Jonathan (Intel)
	38. Sherlock, Ian (Texas Instruments)
	39. Smely, Di Dieter (Kapsch TrafficCom AG)
	40. Sosac, Robert (Qualcomm)
	41. Srinivasan, Shree Raman (Qualcomm)
	42. Strauch, Paul (Qualcomm)
	43. Sun, Bo (ZTE)
	44. Tian, Bin (Qualcomm)
	45. Tian, Tao (Unisoc Comm.)
	46. Xue, Qi (Qualcomm)
	47. Xue, Rulfeng (Cisco Systems)
	48. Yee, James (MediaTek)
	49. Yee, Peter (NSA-CSD)
	50. Yu, Heejung (Korea University)
	51. Yu, Mao (NXP)
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. Minutes Approval
		5. TG Vice Chair Affirmation Motion
		6. Timeline Discussion
		7. General Guideline for IEEE-SA comment resolution
		8. 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
		9. Discussion on Cascading and possible additional text
		10. AoB
		11. 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 17th, 2020 was 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. **Minutes Approval Motion**
	1. **Motion: Move to approve the TGax CRC minutes in docs:**
* [**https://mentor.ieee.org/802.11/dcn/20/11-20-0988-05-00ax-tgax-crc-teleconference-minutes-july-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-0988-05-00ax-tgax-crc-teleconference-minutes-july-2020.docx) **includes minutes from teleconferences on July 2nd, 7th, 9th, 16th, 23rd, and 28th.**
* [**https://mentor.ieee.org/802.11/dcn/20/11-20-1176-04-00ax-tgax-crc-teleconference-minutes-august-2020.docx**](https://mentor.ieee.org/802.11/dcn/20/11-20-1176-04-00ax-tgax-crc-teleconference-minutes-august-2020.docx) **includes minutes from teleconferences on August  4th, 6th, 11th, 13th, 18th, 20th, 25th, and 27th.**
	+ 1. **Mover: Yasuhiko Inoue, Second: Alfred Asterjadhi**
		2. **Discussion – no discussion**
		3. **Result: Approved with unanimous consent.**
1. **Affirmation of TG Vice Chairs**
	1. Current Vice Chairs
		1. Ron Porat
		2. Alfred Asterjadhi
	2. Both indicated their desire to continue as TG Vice Chairs
	3. Any other Nomination? – no other nomination.
	4. Nomination is closed.
	5. **TG Vice Chair Motion: Move to approve Ron Porat and Alfred Asterjadhi as the first and the second TGax Vice Chairs respectively**
		1. **Mover: Bin Tian, Second: Jon Rosdahl**
		2. **Discussion – no discussion**
		3. **Result: Approved with unanimous consent.**
2. **IEEE-SA Comment Resolution Guidelines**
	1. All references to resolution documents or minutes or agendas must include the full URL, not just 11-20/xxxxrx or 20/xxxxrx
	2. Do not include references to other comments; our internal WG spreadsheet CID numbers are not immediately visible to the SA ballotters; it’s ok to reference an internal CID number as part of editing instructions, when the CID is an identifier in a resolution document.
	3. If a comment is ACCEPTED, REVCOM expects the resolution field to be blank; If further instructions to the editor are needed for clarification, include in the Editor notes.
	4. Revised resolutions must be actions: “Change “x” to “y” or “Make the changes under “CID Number” in document <full URL> which “explanation”. A resolution such as “See CID xxx” is not sufficient
3. **Timeline**
	1. RevCom meeting is scheduled at January 26, 2021
		1. Deadline for submission is December 11, 2020
	2. 802 WG virtual meeting is scheduled during the period October 30 to November 13, 2020
		1. The CRC needs the 802.11 WG and 802 EC approvals to proceed to RevCom in January.
	3. The CRC seems to have about 40 days to complete resolutions of all comments received on draft 7.0.
4. **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. This is status update from the discussion during the last TGax CRC teleconference.
			2. Bo submitted two comments for the D7.0 related to this submission.
		2. Discussion – no discussion.
		3. Next Step
			1. Plan is to approve the proposed resolution next week.
	2. **Discussion on MU Cascading**
		1. Summary
			1. This is status update from the email discussion on the MU cascading.
			2. There still is an argument on the definition of MU cascading.
		2. Discussion – no discussion during this teleconference.
		3. Next Step
			1. Plan is to conclude the discussion next week.
5. **AoB**
	1. **Motion for Secretary: Move to approve Yasuhiko Inoue as TGax Secretary.**
		1. **Mover: Jon Rosdahl, Second: Alfred Asterjadhi**
		2. **Discussion – no discussion**
		3. **Result: Approved with unanimous consent.**
6. **Adjournment**
	1. TGax online meeting on September 17th, 2020 has adjourned @ 19:40 (ET).