IEEE P802.11
Wireless LANs

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| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for January-2019 MeetingSt. Louis, MO, USA |
| Date: 01-15-2019 |
| Author(s): |
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Abstract

Meeting Minutes for the WNG SC meeting held in St. Louis, MO, USA, in January 2019.

**WNG Session: January15th, 2019, 8:00 AM to 10:00 AM St. Louis Time**

Acting Chair: Lei Wang (Huawei)

Acting Secretary: Bahar Sadeghi (Intel)

**Meeting Agenda:**

The meeting agenda is shown below, and also published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/18/11-18-2113-03-0wng-agenda-for-wng-sc-2019-jan.ppt>

* Call Meeting to Order
* Agenda approval
* Attendance reminder
* Documentation reminder
* Announcements
* Approval of Previous meeting minutes
	+ Minutes from November WNG Meeting
		- <https://mentor.ieee.org/802.11/dcn/18/11-18-2013-00-0wng-wng-sc-2018-november-bangkok-meeting-minutes.docx>
* Presentations
	+ Tuesday 15 January 2019, 08:00 – 10:00
* Plans for March 2019
* Adjournment

**Meeting Minutes:**

* Meeting called to order at 8:00am St. Louis time on Tuesday, January 15th, 2019, by Acting Chair, Lei Wang.
* WNG Acting Chair, Lei Wang, informed the group that WNG SC Chair, Jim, is not able to attend this session due to schedule conflict, and she will act as the chair for this meeting; and Bahar Sadeghi has kindly agreed to act as the secretary.
* Agenda approval:
* <https://mentor.ieee.org/802.11/dcn/18/11-18-2113-03-0wng-agenda-for-wng-sc-2019-jan.ppt>
* The agenda was approved by unanimous consent
* The acting chair also noted the affiliation FAQ, anti-trust FAQ, ethics code, IEEE 802.11 policies and procedures, and IEEE 802 policies and procedures
* The acting chair covered the voting rules for WNG SC, being a standing committee
* Approval of previous meeting minutes
	+ Minutes from November WNG Meeting

<https://mentor.ieee.org/802.11/dcn/18/11-18-2013-00-0wng-wng-sc-2018-november-bangkok-meeting-minutes.docx>

* + The minutes were approved by unanimous consent.
* Approximately 95 people attended the WNG Session.
* Due to the availability of the presenter of the contribution 21-18-0065, Acting Chair suggested to switch the order of the two presentations, no objection from the group.
* Presentation #1: "An extension to 11ba: legacy transmitter solution for 802.11ba receivers” - Eduard Garcia Villegas (Universitat Politècnica de Catalunya)

<https://mentor.ieee.org/802.11/dcn/19/11-19-0138-00-0wng-an-extension-to-11ba-legacy-ieee-802-11-transmitter-solution-for-802-11ba-receivers.pptx>

* + Summary of Discussion
		- Clarified that this contribution has not been presented in TGba yet; and the suggestion is to present and discuss in TGba;
		- Discussed that the motivation of this presentation is to allow more devices to be able to use 11ba solutions;
		- Clarified that the proposed OFDM PHY always-awake is at the Tx side, while the Rx side is the same as 11ba, so the benefits of the 11ba receiver side are still conserved;
		- Discussed if the proposed solution can be of implementation specific, e.g., software solution for sending 11ba compliant transmit signal; and answer was yes, it could be able to.
		- The presenter will check if the proposed solution will meet the Synch signal and peak power requirements from 11ba.
	+ Straw Poll:
		- SP#1: What do you think about enabling WUP transmission from non-11ba devices?
	+ A: I don’t support the idea
	+ B: it makes sense asa future amendment/extention to IEEE 80211ba
	+ C: No opinion/Don’t care
	+ D: Better show this idea to TGba
		- Please note that “D” above was added during the SP discussion;
		- SP#1 results:
	+ A: 0
	+ B: 3
	+ C: 19
	+ D: 41
* Presentation #2: “'Network Enablers for Seamless HMD-based VR (Virtual Reality) SG” – Dillon Seo (Voler Creative)

<https://mentor.ieee.org/802.21/dcn/18/21-18-0065-00-0000-21-18-0065-00-0000-goal-of-the-network-enablers-for-seamless-hmd-based-vr-content-service-sg.pptx>

* + Acting Chair remind the group that this presentation file is in the 802.21 file folder, not in the 802.11 file folder
	+ 802.21 Chair (Subir Das) started by providing the following background: this new study group formed in 2018-November EC Plenary. The work is related to multiple groups including the RTA TIG in 802.11. While dot21 does higher layers, there is a lot that applies to dot11 and lower layers and hence the presentation is being made here
	+ Summary of Discussion
		- This presentation is a summary version of a published white paper, <https://mentor.ieee.org/802.21/dcn/18/21-18-0061-01-0000-a-white-paper-on-use-cases-and-requirements-for-supporting-hmd-based-vr-applications.docx>
		- Suggested to bring 802.11 specific requirements here;
		- Clarified that the 10ms latency for 11ay was from a contribution of an 11ay participant, and the 10ms latency it came from the refresh rate of 30fps, and 4K, etc.
		- Clarified what “future standard” mean, actually, the 802.21 Study Group has already formed. There is wireline HDMI connection, to be replaced by wireless --- but there is a higher layer, layer 2.5, adaptation layer that informs the application/content provider about the network capabilities.
		- Suggested to look into MSGCF created by 802.11u, which may be useful to be revisited.
		- Commented that for VR other factors including neck movements, etc. need to be included the part of tracker latency. And, most of latency can be solved as part of picture rendering
		- Clarified that the jitter also cause motion sickness, low jitter is required, but so far do not yet know the tolerable range.
		- Closing remark from the presenter: the problem we are solving is not limited to dot21 and needs to be tackled by all the groups; and given the growth of this market and its applicability to future trends w/ industry 4.0, it is of benefit to solve it for everyone.
* Plan for 2019-March meeting:
	+ Call for contributions: the WNG chair will issue a call for contributions before the 2019-March meeting.
* Any other business: none
* Adjourned at 9:07am St. Louis Time