IEEE P802.11
Wireless LANs

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| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for May-2017 MeetingDaejeon, South Korea |
| Date: 05-09-2017 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Lei Wang | Huawei  | 10180 Telesis Ct #220, San Diego, CA 92121 | +1-858-205-7286 | Leiwang95@huawei.com |
| Jim Lansford | Qualcomm | 7775 N Topeka Ave, Cascade, CO 80809 | +1-719-286-8660 | jim.lansford@ieee.org |

Abstract

Meeting Minutes for the WNG SC meeting held in Daejeon, South Korea, in May, 2017.

**Tuesday, May 9, 2017, 8:00 AM to 10:00 AM Daejeon Time**

Chair: Jim Lansford (Qualcomm)

Vice Chair: Lei Wang (Huawei)

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/17/11-17-0554-03-0wng-agenda-for-wng-2017-05.ppt>

* Call Meeting to Order
* Agenda approval
* Attendance reminder
* Documentation reminder
* Approval of Previous meeting minutes
* Minutes from March

<https://mentor.ieee.org/802.11/dcn/17/11-17-0484-01-0wng-wng-meeting-minutes-of-2017-march-vancouver-meeting.docx>

* Announcements
* Presentations
* Plans for July 2017
* Adjournment

**Meeting Minutes:**

* Meeting called to order at 8:00am PT on Tuesday, May 9, 2017, by Chair, Jim Lansford.
* Agenda approval:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0554-03-0wng-agenda-for-wng-2017-05.ppt>

* The agenda was approved by unanimous consent
* The chair also noted the affiliation FAQ, anti-trust FAQ, ethics code, IEEE 802.11 policies and procedures, and IEEE 802 policies and procedures
* The chair covered the voting rules for WNG SC, being a standing committee
* Approval of previous meeting minutes
* The minutes of 2017-March Vancouver meeting:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0484-01-0wng-wng-meeting-minutes-of-2017-march-vancouver-meeting.docx>

* + The minutes were approved by unanimous consent.
* Approximately 96 people attended the WNG session.
* Presentation: “Wi-Fi Enhancement for Full Coverage at Smart Home: Part-I (Coverage Investigation)”, Jinsoo Choi, LG Electronics

<https://mentor.ieee.org/802.11/dcn/17/11-17-0784-00-0wng-wi-fi-enhancement-for-full-coverage-at-smart-home-part-i-coverage-investigation.pptx>

* Multiple questions and comments about differences and relations between the proposed Narrow band transmission and the long range discussions in the previous LRLP TIG; showed concerns of repeating the same long and intensive discussions as done in LRLP;
* Comments on the interference reference numbers are used in the simulation and analysis, pointed out there are many different type of homes, e.g., multi-home apartment, town house, large house, with very different walls; particularly, dislike the use of -62dBm;
* Comments on the implementation complexities by introducing narrow band transmission, and also the throughput hit due to reduced transmission band size, plus different countries may have different restrictions, e.g., China has more restrictions.
* Comments on existing solutions, e.g., multiple APs, Mesh topoplogy, also pointed out a fast growing market for mesh;
* Questions and comments about the RTS/CTS for narrow band (NB) transmission, dedicated NB transmission vs. multiple NB transmissions;
* Comment that NB transmission should also consider other factors/issues, e.g., buffer management, data rate, and security.
* Presentation: Concurrent multi-band transmission in WLAN, Julian Webber, Advanced Telecommunications Research Institute International (ATR)

<https://mentor.ieee.org/802.11/dcn/17/11-17-0767-00-0wng-concurrent-multi-band-transmission-in-wlan.pptx>

* Comment: the processing complexity for the proposed quick channel switch due to a requirement of timely gaining the knowledge about channel availability.
* Comment: we don’t know the cost of doing this; and we don’t know the benefit either. The simplest way is to choose the channel wisely;
* Q: any simulation or data to support this idea? How much improvement for the QoS?
* A: will consider detailed simulation.
* Comment: need to go back to look at use cases for multiple band operation; look at all different categories, figure out what improvements are needed
* SP#1: Do you agree that a concurrent multi-band technology is beneficial to improve achievable QoS of wireless LAN??
	+ No questions/comments.
	+ SP#1 result:
		- Yes: 7
		- No: 1
		- Need more info: 58
* SP#2: Do you think that a concurrent multi-band technology, with splitting the transmitted data into available bands based on instantaneous channel condition, is a promising approach as a way to further improve the QoS of wireless LAN??
	+ Q: what’s the difference between SP#1 and SP#2?
	+ A: SP#1 is for Type-1, while SP#2 is for Type-2.
	+ SP#2 result:
		- Yes: 2
		- No: 5
		- Need more info: 42
* Plan for 2017-July meeting:
	+ Call for contributions: the WNG chair will issue a call for contributions before the 2017-July meeting.
* Adjourn
	+ The meeting adjourned, without objection, at 9:05am Daejeon time.