IEEE P802.11
Wireless LANs

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| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for July-2017 MeetingBerlin, Germany |
| Date: 07-11-2017 |
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Abstract

Meeting Minutes for the WNG SC meeting held in Berlin, Germany, in July, 2017.

**Tuesday, July 11th, 2017, 8:00 AM to 10:00 AM Berlin 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/17/11-17-0878-01-0wng-agenda-for-wng-2017-july.ppt>

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

<https://mentor.ieee.org/802.11/dcn/17/11-17-0800-01-0wng-wireless-next-generation-wng-standing-committee-meeting-minutes-for-may-2017-daejeon-meeting.docx>

* Announcements
* Presentations
* Plans for September 2017
* Adjournment

**Meeting Minutes:**

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

<https://mentor.ieee.org/802.11/dcn/17/11-17-0878-01-0wng-agenda-for-wng-2017-july.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-May Daejeon meeting:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0800-01-0wng-wireless-next-generation-wng-standing-committee-meeting-minutes-for-may-2017-daejeon-meeting.docx>

* + The minutes were approved by unanimous consent.
* Approximately 110 people attended the WNG session.
* Presentation #1: “Overview of the ETSI SDR project” – Bahareh Sadeghi (Intel)

<https://mentor.ieee.org/802.11/dcn/17/11-17-1005-00-0wng-etsi-software-reconfiguration-overview.pptx>

Summary of Discussion:

* Chair informed the group we have 5 presentations for this session, so we would like to limit the Q&A time.
* Q: how does it work for certification after each reconfiguration for Wi-Fi? Go to Wi-Fi Alliance?
* A: not sure about Wi-Fi cases. How ETSI is doing is to every time you have a new software defined reconfiguration, you have to go to the certification entity.
* Presentation #2: “Low Complexity and Constrained Peak Power Consumption WLAN” – Chitto Chittabrata (Intel)

<https://mentor.ieee.org/802.11/dcn/17/11-17-1036-00-0wng-wlan-iot-low-complexity-constrained-peak-power-consumption-wlan.pptx>

Summary of Discussion:

* Comment: the proposed timeline is not realistic.
* Q: Can 802.11ah meet the requirements?
* A: need to develop solutions in 2.4GHz band.
* Comment: regarding requirement points, 11n is doing well. Concerned with your proposal of having another PHY technology to fragement the market.
* A: no specific solution proposals now.
* SP: Would you support a Study Group on WLAN-IOT?
	+ SP result: Yes: 43 / No: 29 / abstain: 30
* Presentation #3: “Orchestrator pilot signal” – Hiroshi Mano (Kodoen Techno Info, K.K.)

<https://mentor.ieee.org/802.11/dcn/17/11-17-1110-00-0wng-orchestrator-pilot-signal.pptx>

Summary of Discussion:

* Q: regarding the common channel, everybody can use this common channel to share; how to coexistence with other technology, how to make other technology to pay attention on this?
* A: if do-able, have to talk to other organizations. However, doubt other organizations will listen. This proposal will try to make DSRC community to listen. The focus here is for Wi-Fi and DSRC.
* Q: when coordinating spectrum use with this mechanism, how to cope with different channel characteristics? Signals on 5.9, not the same as 2.4.
* A: giving example for 5.9 band sharing, depends on specification on received info. This is just a first step forward. In general, prematural to assume the information carried
* SP#1: Are you interested in studying the opportunity to create new arbitration / orchestration mechanism?
	+ Discussions on the SP#1 text, resulted in the modified SP#1 as follows.
	+ Modified SP#1: would you like to receive more information on use of a common signal for orchestration?
		- SP#1 result: Yes: 33 / No: 1 / Abstain: 48
* SP#2: Should IEEE 1609 be approached to discuss the potential of using the existing, reserved “harmonization channel” for arbitration / orchestration of 802.11 devices?
	+ Clarifications on what IEEE 1609 is, and also clarifications on that this is not to ask for liaison from 802.11 WG to IEEE 1609. This will be upon based individual contributions.
	+ Discussions on whether or not SP#2 is really needed, and agreed to skip SP#2.
* SP#3: Would you like to receive more information on how to use the in-band pilot signal for orchestration?
	+ SP#3 result: Yes: 35 / No: 0
* Presentation #4: “Broadcasting on WLAN” - Hitoshi Morioka (SRC Software)

<https://mentor.ieee.org/802.11/dcn/17/11-17-0999-01-0wng-broadcasting-on-wlan.pptx>

Summary of Discussion:

* Q: since no association is needed, how can a STA know it receives from the right AP?
* A: STA to authenticate SAP, as shown on slide 9
* SP: Do you support to form a study group for “broadcasting on WLAN”?
	+ Result: Yes: 31 / No: 2 / Don’t care: 16 / Need more info: 38
* Adjourn
	+ The meeting adjourned, without objection, at 10:00am Berlin time.

**Thursday, July 13th, 2017, 11:30 AM to 12:30 PM Berlin Time**

Chair: Jim Lansford (Qualcomm)

Vice Chair: Lei Wang (Huawei)

**Meeting Agenda:**

The meeting agenda is shown below, and also included on Slide 10 in the agenda document:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0878-03-0wng-agenda-for-wng-2017-july.ppt>

* Call to order
* Presentations (cont)
	+ “Student projects at University of Colorado – Boulder: Measurements of temporal occupancy and a comparison of indoor performance of OFDM vs CCK/DSSS” – Jim Lansford (Qualcomm)
* Plans for September 2017
	+ Chair will make a call for presentations in advance
* Adjourn

**Meeting Minutes:**

* Meeting called to order at 11:30am Berlin time on Tuesday, May 9, 2017, by Chair, Jim Lansford.
* Agenda approval:

<https://mentor.ieee.org/802.11/dcn/17/11-17-0878-03-0wng-agenda-for-wng-2017-july.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
* Approximately 40 people attended this WNG session.
* Presentation #5: “Student projects at University of Colorado – Boulder: Measurements of temporal occupancy and a comparison of indoor performance of OFDM vs CCK/DSSS” – Jim Lansford (Qualcomm)

<https://mentor.ieee.org/802.11/dcn/17/11-17-1104-01-0wng-wlan-temporal-occupancy-and-indoor-ofdm-vs-dsss.ppt>

Summary of Discussion:

* About presenter’s request for suggestions on the student projects, the suggested topics include: CCA setting, DL vs. UL ratio, devices per AP, interference management, etc.
* Plan for 2017-September meeting:
	+ Call for contributions: the WNG chair will issue a call for contributions before the 2017-September meeting.

* Adjourned at 12:21pm Berlin Time