IEEE P802.11
Wireless LANs

|  |
| --- |
| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for July-2018 MeetingSan Diego, CA, USA |
| Date: 07-10-2018 |
| 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 |
| Graham Smith | SR Technologies | Davie, FL | +1 916 799 9563 | gsmith@wi-ficonsulting.org |

Abstract

Meeting Minutes for the WNG SC meeting held in San Diego, CA, USA, in May, 2018.

**WNG Session #1: Tuesday, July 10th, 2018, 8:00 AM to 10:00 AM Warsaw Time**

Acting Chair: Lei Wang (Huawei)

Actint Secretary: Graham Smith (SR Technologies)

**Meeting Agenda:**

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

<https://mentor.ieee.org/802.11/dcn/18/11-18-1040-02-0wng-agenda-for-wng-2018-july.ppt>

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

<https://mentor.ieee.org/802.11/dcn/18/11-18-0956-00-0wng-wng-sc-meeting-minutes-for-may-2018-meeting.docx>

* Presentations
	+ Tuesday 10 July 2018, 08:00 – 10:00
* Plans for September 2018
* Adjournment

**Meeting Minutes:**

* Meeting called to order at 8:00am San Diego time on Tuesday, July 10, 2018, by Acting Chair, Lei Wang.
* WNG Vice Chair, Lei Wang, informed the group that WNG SC Chair, Jim, is not here this meeting due to schedule conflicit, and she will act as the chair for this meeting; and Graham Smith has kindly volunteered to act as the secretary.
* Agenda approval:
* <https://mentor.ieee.org/802.11/dcn/18/11-18-1040-02-0wng-agenda-for-wng-2018-july.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
* The minutes of 2018-May Warsaw meeting:

<https://mentor.ieee.org/802.11/dcn/18/11-18-0956-00-0wng-wng-sc-meeting-minutes-for-may-2018-meeting.docx>

* + The minutes were approved by unanimous consent.
* Approximately 175 people attended the WNG Session.
* Presentation #1: <https://mentor.ieee.org/802.11/dcn/18/11-18-1210-00-0wng-a-resilient-mesh-for-dynamic-topologies.pptx> “A resilient mesh for dynamic topologies” – Sreekrishna Pandi (TU Dresden)
	+ Summary of Discussion
		- Discussed the Security issue, e.g., how to protect against MitM attacks; Open group say vehicle applications need standardization, closed networks with shared key.
		- The authors also noted that there is a request to ask for details of opportunistic routing.
		- Chair suggested that the authors talk with attendees and also to the 802.11 leaders.
* Presentation #2: <https://mentor.ieee.org/802.11/dcn/18/11-18-1055-02-0wng-a-future-for-unlicensed-spectrum.pptx> : “A Future For Unlicensed Spectrum” – Rich Kennedy (self)

Presented by Stephen McCann (BlackBerry)

* + Summary of Discussion
		- Requested for a clarification about who to access the database, AP or STA with a regulatory control module; Seems to be a contradiction in the presentation. The presenter agreed to get back to the author.
	+ Straw Polls:
		- SP#1: Do you believe that a group or groups within IEEE 802 should investigate the feasibility of Multi-band White Space?
	+ YES - 49
	+ NO - 13
	+ More information required to make a decision? - 53
		- SP#2: Which group(s) should do this work?
	+ 802.11? - 31
	+ 802.22? - 0
	+ Both? – 2
	+ Other? - 24
		- SP#3: Should IEEE 802 advocate for an AI managed database for spectrum management?
	+ Summary of discussion
		- Discussed on “Advocate to whom”, Regulators? Internally?
		- Agreed to change the SP text as follows.
	+ Revised SP#3: Should IEEE 802 advocate to regulators for an AI managed database for spectrum management?
		- YES - 6
		- NO - 15
		- More information required to make a decision? - 76
* Presentation #3: <https://mentor.ieee.org/802.11/dcn/18/11-18-1234-00-0wng-real-time-mobile-game-vs-wi-fi.pptx> : “Real-time Mobile Game vs Wi-Fi” – Kate Meng (Tencent)
	+ Summary of Discussion:
		- Glad to see attention paid to this problem.  Also affects game consoles.  Have simulated this and seen matches flip due to contention in network with higher prioritized packets.  Would like to cooperate.  11ax may solve some the contention problems.
		- Agree that mobile gaming is important.  Have analyzed showing problem in Wi-Fi is serious.  Need to study low latency in next generation.
		- 802.11 Working Group Chair, Dorothy, pointed out that there is a PAR and CSD and draw attention to documents 1111 and 1112 in Working Group area in Mentor.  Encourage socializing this and maybe ask for a SG or TIG to be formed.
		- Discussed the Bandwidth for mobile game and for console game.
		- Suggested to have some straw polls to collect feedback; and discussed the detailed straw poll text.
		- Had two Straw Polls with the straw poll text and results as shown below.
		- SP #1: Do you have interest in topic of real-time game in 802.11?”
			* YES - 105
			* NO - 3
			* Need more info to decide – 30
		- SP#2: Do you think that 802.11 should form a Topic Interest Group (TIG) to investigate real-time applications such as game requirements”
			* YES - 91
			* NO - 0
			* Need more info to decide – 21
* Presentation #4: <https://mentor.ieee.org/802.11/dcn/18/11-18-1160-00-0wng-controlling-latency-in-802-11.pptx> “Controlling latency in 802.11” -- Dave Cavalcanti  (Intel)
* Summary of Discussion
	+ Discussed how to manage OBSS congestion on Slide 9; Centralized scheduling idea to manage networks.
	+ Commented that almost everything mentioned here in the presentation is already there and recommend to look at them closely.
	+ Clarified that the latency is from STA on Slide 8.
	+ Commented that the biggest thing is congestion on Slide 8, and need to improve latency but concern as to general announcement to public about a solution where we do not have complete control. Advertisements on this will have to be very careful.
* Plan for 2018-September meeting:
	+ Call for contributions: the WNG chair will issue a call for contributions before the 2018-September meeting.
* Any other business: none
* Adjourned at 10:00am San Diego Time