IEEE P802.11
Wireless LANs

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| Wireless Next Generation (WNG) Standing CommitteeMeeting Minutes for March-2025 Atlanta Hybrid Meeting |
| Date: March 11, 2025 |
| Author(s): |
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Abstract

Meeting Minutes for the WNG SC meeting held in mixed-mode with in-person meeting in Atlanta, GA, USA, and with electronic meeting access, on March 11th, 2025.

**WNG Meeting: Tuesday, March 11th, 2025, 8:00am to 10:00am Atlanta Time**

Chair: Jim Lansford (FaraFir Consulting)

Vice Chair & Secretary: Lei Wang (Futurewei / Huawei)

**Meeting Agenda:**

The meeting agenda for WNG 2025-March meeting is shown below, and also published in the agenda document:

<https://mentor.ieee.org/802.11/dcn/25/11-25-0212-01-0wng-agenda-for-wng-sc-2025-march.pptx>

* Call Meeting to Order
* Agenda approval
* Attendance reminder
* Documentation reminder
* Announcements
* Approval of Previous meeting minutes
	+ Minutes from November 2024
* Presentations
	+ Tuesday March 11, 0800-1000 Eastern Daylight Time
* Plans for May 2025
* Adjourn

In addition, the detailed agenda with the presentation information is included in the agenda file, and also as shown below:

* Announcements
* Approval of Previous meeting minutes
	+ Minutes from November:
		- <https://mentor.ieee.org/802.11/dcn/24/11-24-1932-00-0wng-wng-meeting-minutes-2024-november-vancouver-meeting.docx>
* Presentations
	+ “Intrinsic vulnerabilities of the MIMO channel sounding procedure”, Francesca Meneghello (University of Padova)
	+ “Post-Quantum 802.11”, Dan Harkins (HPE)
	+ “Post-Quantum Opportunistic Wireless Encryption (OWE)”, Alex Lungu (Samsung)
	+ “802.11 Support of VLANs”, Donald Eastlake (Independent)
* Plans for May 2025
	+ Chair will make a call for presentations in advance
* Adjourn

**Meeting Minutes:**

* Chair called the meeting to order at 8:00am Atlanta time on Tuesday, March 11th, 2025, and showed the group the agenda file.
* Chair reminded the group to record the attendance of this meeting by using the IEEE Attendance Tool.
* Agenda approval:

<https://mentor.ieee.org/802.11/dcn/25/11-25-0212-01-0wng-agenda-for-wng-sc-2025-march.pptx>

* The agenda was approved by unanimous consent.
* Chair also noted the affiliation FAQ, anti-trust FAQ, ethics code, IEEE 802.11 policies and procedures, and IEEE 802 policies and procedures.
* Chair covered the voting rules for WNG SC, being a standing committee.
* Approval of the meeting minutes of the previous WNG meeting.
	+ Minutes from 2024-November WNG Meeting

<https://mentor.ieee.org/802.11/dcn/24/11-24-1932-00-0wng-wng-meeting-minutes-2024-november-vancouver-meeting.docx>

* + The 2024-November WNG SC meeting minutes was approved by unanimous consent.
* Attendance:
	+ In the meeting room: ~ 120
	+ Webex attendance: 240
* Presentation #1: “Intrinsic vulnerabilities of the MIMO channel sounding procedure”, Francesca Meneghello (University of Padova)

<https://mentor.ieee.org/802.11/dcn/25/11-25-0460-01-0wng-intrinsic-vulnerabilities-of-the-mimo-channel-sounding-procedure.pptx>

* + Francesca presented the contribution remotely via Webex.
	+ Summary of Discussion
		- * Clarified the identified vulnerability only affects the experienced throughput, no secured/confidential information is exposed.
			* Questioned and discussed how the feedback is compromised.
			* Recommended to check the relevant materials in IEEE 802.11bi and 802.11az.
* Presentation #2: “Post-Quantum 802.11”, Dan Harkins (HPE)

<https://mentor.ieee.org/802.11/dcn/24/11-24-1103-01-0wng-post-quantum-802-11.pptx>

* + Don presented the contribution in-person.
	+ Summary of Discussion
		- * Multiple people spoke in favor of the proposal of forming a Post Quantum Study Group in 802.11.
			* Clarified that the current proposal is for IEEE 802.11, not for 802 in general.
			* Discussed the separation of a simple ANA number assignment and rest of PQ work items for 802.11.
* Presentation #3: “Post-Quantum Opportunistic Wireless Encryption (OWE)”, Alex Lungu (Samsung)

<https://mentor.ieee.org/802.11/dcn/25/11-25-0218-02-0wng-post-quantum-opportunistic-wireless-encryption-owe.pptx>

* + Alex presented the contribution remotely via Webex.
	+ Summary of Discussion
		- * none
	+ Straw Poll: A mechanism should be added to ensure OWE is resilient against quantum attackers by adopting ML-KEM.
		- * Straw Poll Result: 66 Yes / 7 No / 88 Abstain
			* Comment after the Straw Poll: this should be discussed in the Study Group as proposed by the previous contribution.
* Presentation #4: “802.11 Support of VLANs”, Donald Eastlake (Independent)

<https://mentor.ieee.org/802.11/dcn/25/11-25-0420-01-0wng-802-11-vlan-support.pptx>

* + Donald presented the contribution in-person.
	+ Summary of Discussion
		- * The questions and discussions were mainly about the specific use cases for the identified extensions/changes for VLAN.
	+ Straw Poll: Do you favour the formation of a TIG to explore uses and management of VLANs with WLANs?
		- * Straw Poll Result: 28 Yes / 10 No / 85 Abstain
* Plans for May 2025:
	+ Call for contributions: WNG chair will issue a call for contributions before IEEE 802.11 2025-May meeting.
* Any other business: none.
* Adjourned at 9:55am Atlanta Time.