IEEE P802.11
Wireless LANs

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| ITU Liaison Ad Hoc Group (ITU AHG)Minutes for July 2024 Interim |
| Date: 08-26-2024 |
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Abstract

Meeting Minutes for the ITU AHG meeting held on July 18, 2024.

Chair: Hassan Yaghoobi (Intel Corp.)

Secretary: Richard Kennedy ( Bluetooth SIG)

**Meeting Agenda:**

<https://mentor.ieee.org/802.11/dcn/24/11-24-1135-02-0itu-itu-ahg-agenda-for-july-2024-plenary.pptx>

**Meeting Notes:**

Call Meeting to Order 16:02 EDT

1. Administrative: Reminders, Rules, Guidelines, Resources
	* Chair presents Reminders and Rules, Guidelines for IEEE – SA Meetings, Participation in IEEE 802 Meetings; There were no comments.
2. Roll Call
	* Chair reminder to attendees to capture their attendance on IMAT.
3. Approval of the Agenda
	* <https://mentor.ieee.org/802.11/dcn/24/11-24-1135-02-0itu-itu-ahg-agenda-for-july-2024-plenary.pptx>
4. Approval of Minutes of Previous Meeting
	* Minutes for March 2024 (Plenary) Meeting
	* <https://mentor.ieee.org/802.11/dcn/24/11-24-0282-00-0itu-itu-ahg-minutes-for-march-2024-plenary.docx>
	* Meeting minutes approved without objection.
5. New Contributions
	* 1. No new contributions
6. Discussion from May WP5A meeting
	* Chair discussed the Chairman’s Report
	* Slide 12: Chairman Report & Output Docs of WP5A May 2024
		1. Both documents, M.1450 and M.1801 expected to be approved.
		2. Dorothy asked what was responsible for this progress. Chair suggested that the recognition of RLAN as well as IMT in the upper 6GHz band possibly had impact on facilitating the progress.
	* Slide 13-17: [5A/93](https://www.itu.int/md/R23-WP5A-C-0093/en) ITU-R WP5B LS to WP5A
		1. LS from WP5B to WP5A on new SSTX radars
			+ Lower transmit power but wider pulse compression is the main difference with traditional tube radars; The LS claims that there is a risk that this characteristics of SSTX radars reduce the capacity of RLAN DFS to detect radar signal in the 5 GHz band.
			+ *The planned use of SSTX weather radars and current WAS/RLAN operation in the 5 GHz frequency band, in particular in the sub-band 5 600-5 650 MHz, may require further technical coexistence analysis.*
			+ *To facilitate this discussion, WP 5B suggests that the following topics be included in a joint meeting during the November 2024 meeting with WP 5A regarding the use of SSTX weather radars and WAS/RLAN:*
				- *the technical and operational characteristics of SSTX weather radars in the 5 GHz band;*
				- *the aspects related to the characteristics and application of DFS in Recommendation ITU R M.1652-1.*
			+ *Risk that this will reduce the capacity of RLAN DFS to detect radar signal in the 5 GHz band.*
				- *Traditional tube Radars are short pulses with high power levels are transmitted.*
				- *SSTX power is much lower (transmitted peak power, 4-8 kW vs 250-450 kW), leading to poorer detection performance in the RLAN device and possible decreased detection range of SSTX systems.*
				- *Uncertainty on how RLAN devices will behave as the pulses transmitted by SSTX differ from the parameters assumed in RLAN device. Pulse compression can be up to 200 µs (instead of 0.5 to 3.5 µs for tube-based systems) to compensate average power.*
				- *Pulse compression enables the utilization of longer pulses and lower-power transmitters without compromising range resolution.*
			+ A shorter version of this presentation is given to Coex SC.
			+ Feedback from Nov WP5A-WP5B joint session will be given to 802.11 specifically Coex SC to be considered for possible next steps.
			+ ITU AHG can help with interacting with WP5A; technical discussions/contributions is expected to happen in other 802.11 groups such as Coex SC.
			+ IEEE 802 needs to participate and contribute to the subject starting November 2024.
			+ No contribution is expected to be required for WP5A November session.
			+ Coex SC may consider submitting a preliminary analysis if ready by November.
7. Plan for Going Forward
	* Call for contributions on
		+ RLAN Coex with SSTX Radar 5 GHz band
	* Working Party 5A Next Meeting Dates
		+ [Tuesday 2024-11-19 - Friday 2024-11-29](https://www.itu.int/events/eventdetails.asp?eventid=21241)
		+ M.1450 and M.1801: No IEEE contribution is required/expected
		+ Coex with SSTX Radar at 5 GHz: Monitor WP5A-WP5B joint discussion
8. Next ITU AHG Meeting
	* IEEE 802 September Interim Session
9. Any New Business?
	* None
10. Meeting adjourned at 16:52 EDT.