IEEE P802.11
Wireless LANs

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| Press Release for AANI re: 11ax meeting applicable IMT-2020 requirements |
| Date: 2019-11-13 |
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Abstract

This document contains the draft press release announcing the results of the analysis and simulation results related to P802.11ax D3.0 meeting the salient requirements for IMT-2020 Dense Urban and Indoor Hotspot use cases.

R0: Draft notified to the WG and circulated to the 802 EC for review

R1: Incorporates EC review and IEEE Corporate comments

# Process

This press release was authored by the IEEE marketing department (represented by Jeff Pane) after interviewing 802.11 subject-matter experts Joseph Levy, Sindu Verma and Shubhodeep Adhikari. The press release is being notified to the WG and will be notified to the IEEE 802 EC for comment/approval.

# Press Release:

# DRAFT: NOT FOR IMMEDIATE RELEASE

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# IEEE P802.11ax™ Meets Requirements for 5G Indoor Hotspot and Dense Urban Deployments, Enabling Enhanced Wireless Network Performance

*IEEE P802.11ax provides a cost-effective deployment option for the 5G (IMT-2020) Indoor Hotspot and Dense Urban deployments as defined by International Telecommunications Union (ITU)*

PISCATAWAY, NJ, XX November 2019 – IEEE, the world's largest technical professional organization dedicated to advancing technology for humanity, and the [IEEE Standards Association (IEEE SA)](http://standards.ieee.org/) announce IEEE P802.11ax meets or exceeds requirements specified by the International Telecommunications Union (ITU), for the Indoor Hotspot and Dense Urban test environments of the 5G (IMT-2020) enhanced Mobile Broadband (eMBB) usage scenario. IEEE P802.11ax establishes a foundation for an advanced Wi-Fi technology capable of supporting 5G network performance, providing valued applications and services to end users and ensuring ongoing industry growth. Successful evaluation of IEEE P802.11ax demonstrates the ongoing evolution of IEEE 802.11 in order to meet wireless capacity demands being driven by remote video streaming, cloud access and an increasingly connected mobile world.

“Achieving 5G performance at the cost points associated with Wi-Fi® is no small undertaking and supports the continued advancement of wireless technology, as well as the exponential growth of mobile wireless device utilization,” said Dorothy Stanley, IEEE 802.11 Working Group chair. “The successful evaluation of IEEE P802.11ax to stringent metrics in wireless communication demonstrates that Wi-Fi is adapting to meet the ever-increasing needs of wireless communication, providing higher data rates, increased reliability, and lower latency to better serve the entire industry.”

The methodology specified in the IMT-2020 requirements provides network description, channel models, traffic patterns and other parameters necessary to benchmark performance. The benchmark for compliance to the IMT-2020 requirements for the specific scenario and environments consists of:

* Minimum acceptable downlink/uplink peak performance,
* Average user experience,
* Cell-edge user experience,
* Mobility performance and latency performance.

IEEE P802.11ax was shown to satisfy all the Medium Access Control and Physical Layer (MAC/PHY) benchmarks for Indoor Hotspot and Dense Urban test environments of the eMBB usage scenario.

Products implementing IEEE P802.11ax are available in the market today, and can provide 5G connectivity today, helping to speed the deployment of 5G networks and increasing the availability of 5G wireless access for users. Supporting documentation for IEEE P802.11ax meeting the IMT-2020 requirements for eMBB is available for [public download](https://mentor.ieee.org/802.11/dcn/19/11-19-1284-01-AANI-summary-of-802-11ax-self-evaluation-for-imt-2020-embb-indoor-hotspot-and-dense-urban-test-environments.docx).

The draft standard is available for purchase at the [IEEE Standard Store](https://www.techstreet.com/ieee/standards/ieee-p802-11ax?gateway_code=ieee&vendor_id=7180&product_id=2019792).

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