



## **Final Network Services Report**

September 13, 2024

**Event:** IEEE 802 Wireless Groups Interim Session  
**Venue:** Hilton Waikoloa Village  
**Dates:** September 9-13, 2024

### **SUMMARY**

Linespeed Events, LLC provided comprehensive wired and wireless network services in 11 meeting rooms, foyers and offices in the Hilton Waikoloa Village (HWV) Convention Center. Linespeed also provided a local document server synchronized in near real time with mentor.ieee.org.

The local area network (LAN) supporting the meeting space was comprised of a main distribution frame (MDF) and three intermediate distribution frames (IDFs). Linespeed's wireless local area network (WLAN), comprised of 24 IEEE 802.11 ax WiFi 6E compliant access points provided Wi-Fi connectivity to laptops, tablets, smartphones, smartwatches, etc. at this session (Figure 1.)

HWV provided IEEE 802 shared access to a symmetrical 500Mb/s Internet circuit and a /29 CIDR block of public routable IPv4 address space for this event.

Linespeed tested all Cat5 copper lines interconnecting IDFs and meeting room ports prior to deploying network hardware.

Bandwidth utilization graphs for the week are not available due to data collection errors experienced by the remote monitoring application. There were no other network related issues or outages reported during the week.

## WLAN DEPLOYMENT

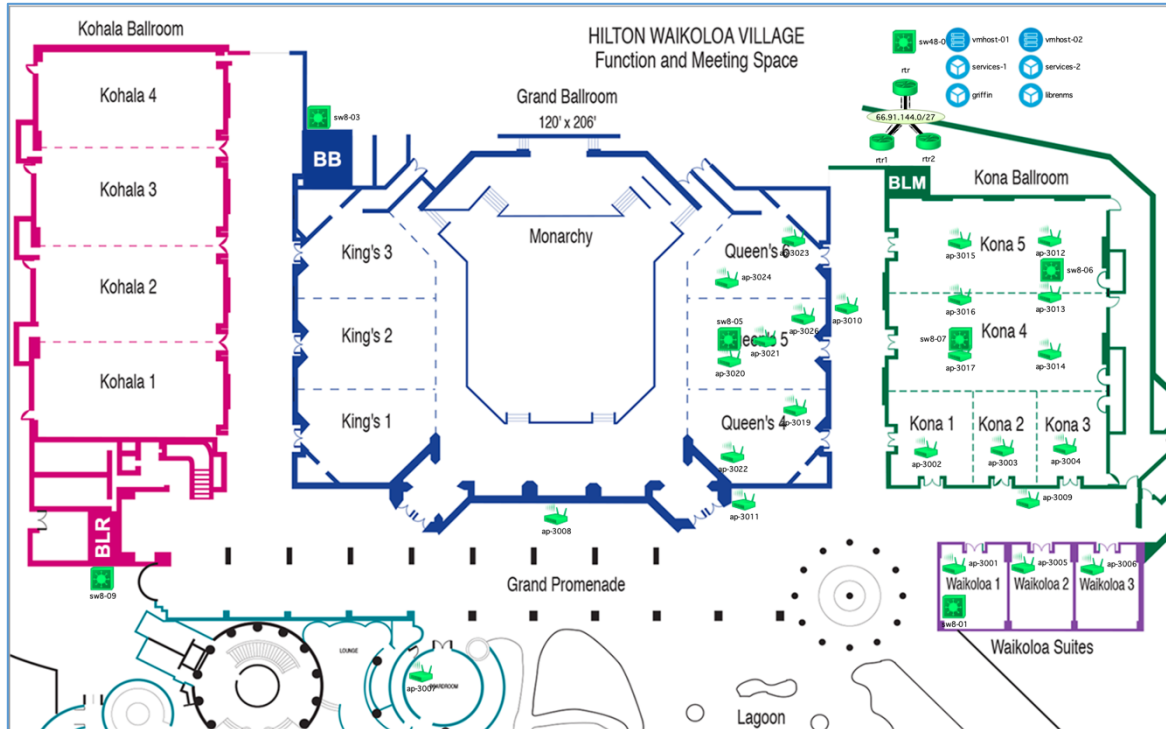


Figure 1. Forty-one access points were deployed throughout the meeting space.