



## **Network Services Report**

May 16, 2025

**Event:** IEEE 802 Wireless Interim Session

**Venue:** Warsaw Presidential Hotel, Warsaw, Poland

**Dates:** May 12-16, 2025

### **SUMMARY**

Linespeed Events, LLC is providing comprehensive wired and wireless network services in 10 meeting rooms, foyers and offices at the Warsaw Presidential hotel. Linespeed deployed redundant routers configured to failover in case of equipment failure. Linespeed is also providing a landing page information portal ([ieee802.linespeed.com](http://ieee802.linespeed.com)) and local document server synchronized in near real time with [mentor.ieee.org](http://mentor.ieee.org).

The local area network (LAN) supporting the meeting space is comprised of a main distribution frame (MDF) and four intermediate distribution frames (IDFs). Linespeed's wireless local area network (WLAN), comprised of 27 IEEE 802.11 a/g/n/ac/ax/ compliant WiFi 6e access points is *simultaneously* providing Wi-Fi connectivity to 535 unique mac addresses (including laptops, tablets, smartphones, smartwatches, etc.) at this session (Figure 1.)

The Warsaw Presidential hotel provided IEEE 802W with a shared symmetrical 1Gb/s Internet circuit and a /29 CIDR block of public routable IPv4 address space for this event.

During the course of the network site visit and the May 2024 session there were a small number of infrastructure deficiencies identified that required curing prior to arriving on site for this session. The hotel was very cooperative in adopting our recommendations and repairing the physical layer infrastructure. As a result we enjoyed a very successful event.

Bandwidth utilization graphs for the week, a 48 hour period and a 24 hour period are represented in Figures 2-4.

## WLAN DEPLOYMENT

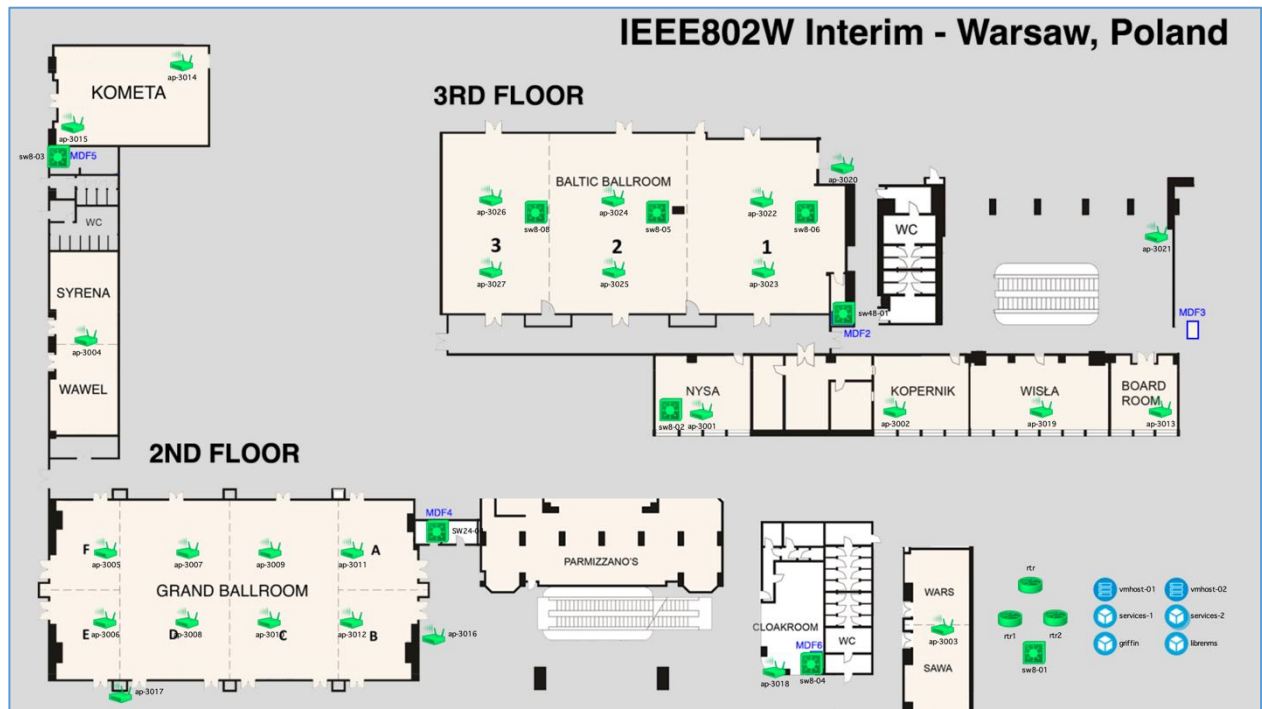
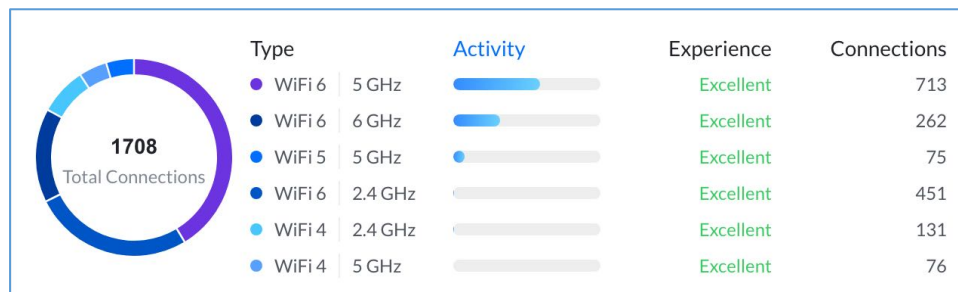


Figure 1. Twenty-seven access points were deployed throughout the meeting space.

## FINAL STATISTICS (as of 9:48AM 5/16/25)

- Total Internet data: 3.61TB
- Total Internet data inbound: 3.00 TB
- Total Internet data outbound: 613.40 MB
- Inbound Internet bandwidth utilization
  - Peak: 499.21 Mb/s
  - 95th Percentile: 220.38 Mb/s
- Outbound Internet bandwidth utilization
  - Peak: 159.42 Mb/s
  - 95th Percentile: 36.69 Mb/s
- Maximum simultaneous wireless network associations: 535



## BANDWIDTH UTILIZATION

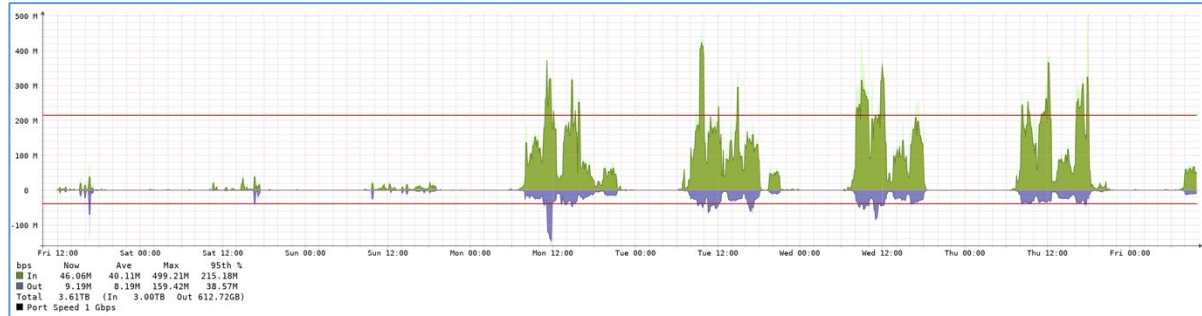


Figure 2. External Bandwidth: meeting week.

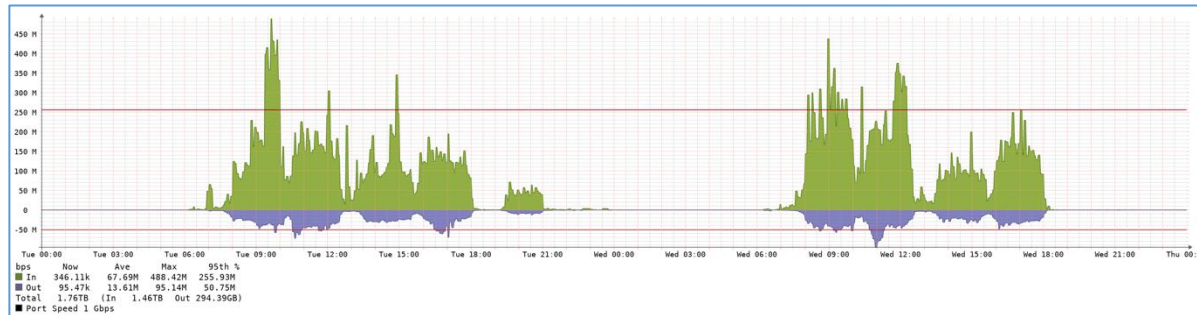


Figure 3. External Bandwidth: 48 hours.

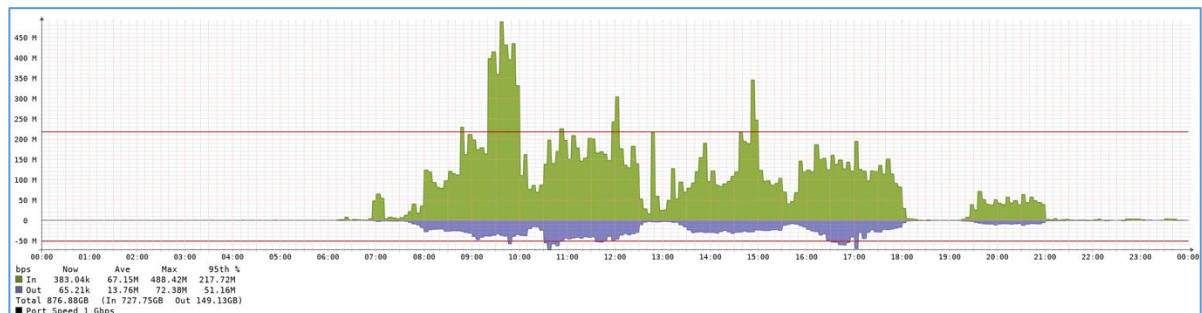


Figure 4. External Bandwidth: 24 hours.