verilan networks
global networking solutions

IEEE 802 Plenary Session
Caribe Royale, Orlando, FL

Mid-Session Network Services Report
March 13, 2007

Summary

VeriLAN Event Services, Inc. (VeriLAN) is providing comprehensive network services for the IEEE 802 March 2007 Plenary meeting in Orlando, FL. We are pleased to report that the network has performed well this week. There have been a few minor issues, which have been addressed by the VeriLAN network team.

Issue: We observed limited throughput across the hotel network.
Resolution: VeriLAN worked with the hotel IT department to identify and correct hardware configuration conflicts in hotel IDF network switching equipment.

Issue: A rogue DHCP was reported and detected Tuesday morning.
Resolution: We determined that a rogue DHCP server was operating on the open network, which was issuing IP addresses on an invalid private network. The help desk resolved all support requests by connecting users to the unaffected secure network. The rogue server appeared to go off line around 1:00PM. VeriLAN is continuing to monitor the network and will work to isolate and remove the device from the network if and when it reappears.

All in all members have been very pleased with the performance of the network and have been providing positive feedback to the network team.

Internet Usage

The property is fed by a DS3 connection to the Internet. We were given unrestricted access to the bandwidth, which is shared with the guest rooms and administrative offices. The measured network latency is low, indicating that we are fitting well within the line capacity. Internet usage for the last 24 hour period is shown in Figure1.
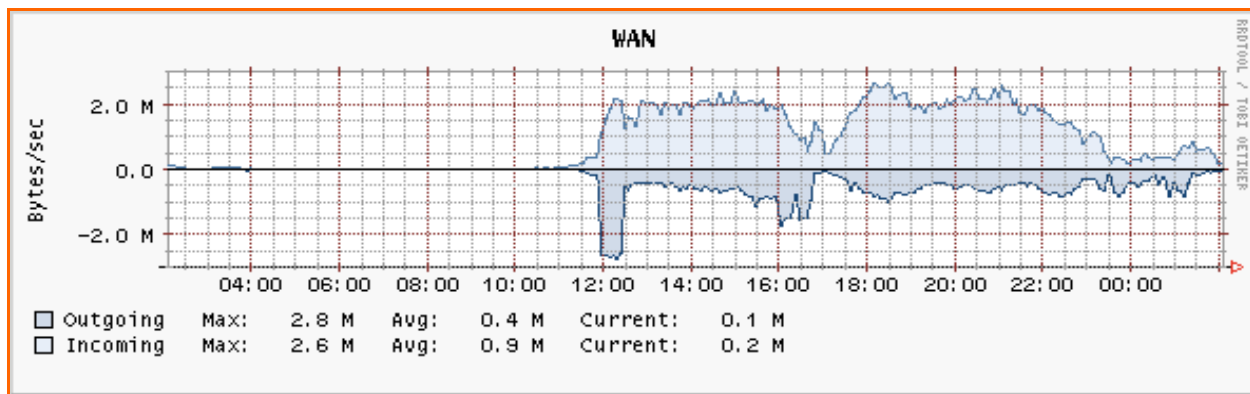

Figure 1. Internet Usage: last 24 hours (GMT time)

Network Deployment & Coverage

VeriLAN deployed 83 enterprise grade tri-modal IEEE 802.11a/b/g wireless access points to provide coverage for all meeting spaces. Target association density was 30 clients per WAP. Figure 2 illustrates the location of the WAP deployments. Figure 3 illustrates the optimum (5 bar) coverage of the WAP deployments.
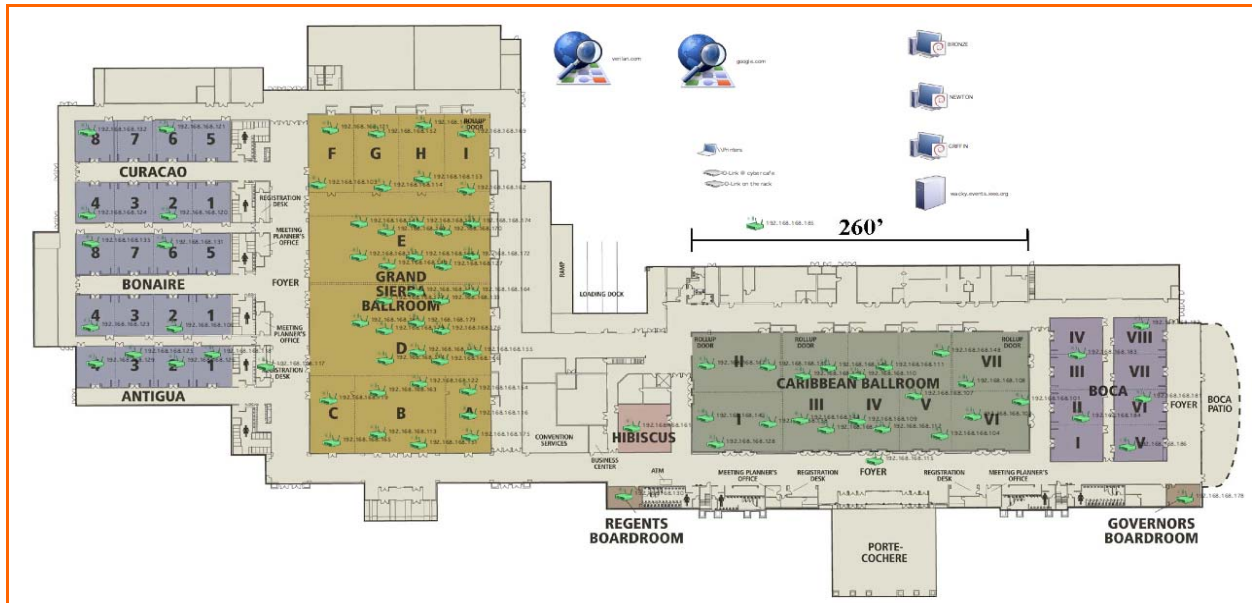

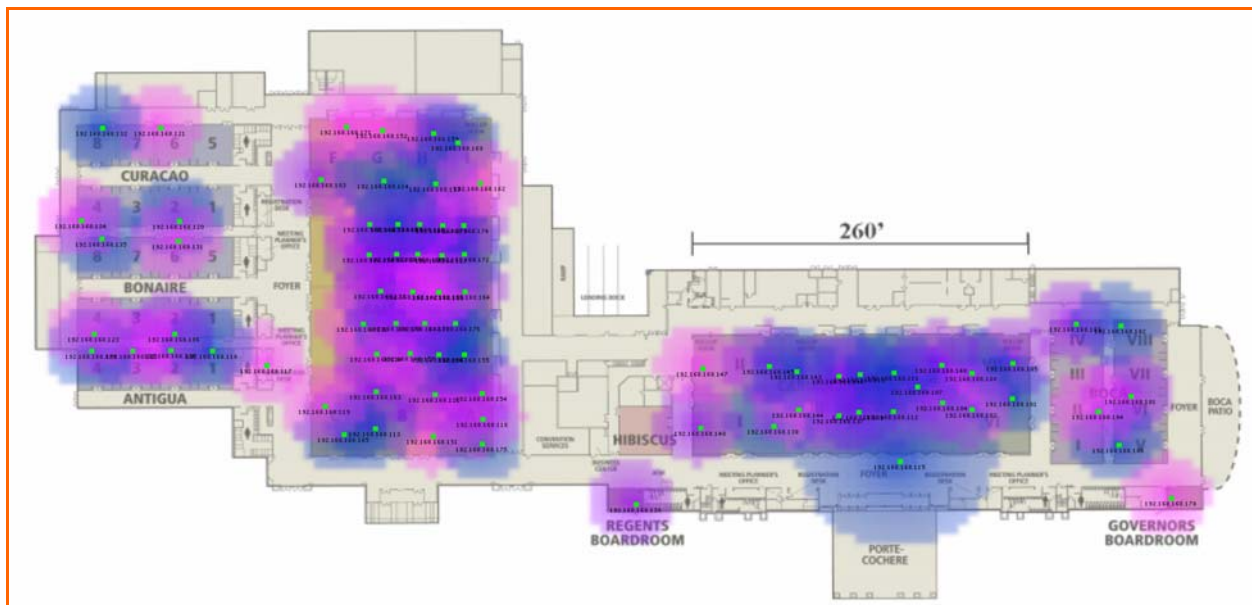**Figure 2.** Caribe Royale Convention Center WAP Deployments

Figure 3. Caribe Royale Convention Center Coverage: Full coverage of all meeting space with proper channel separation. Note: *Radiation bubble shows transmit power and is not relative to reception range. Good reception (>70%) is typically available at double the distance.*