



Anue Systems

Anue Systems Enables Bell Canada to Emulate Broad Span of Network

“Prior to our testing with the Anue Network Emulator, we had less ways to know how new services would perform in less than perfect network conditions which are always a factor in a network the size of Bell Canada’s. We can now better understand the impact of distance and impairments from our lab, protecting our customer’s quality of service and essentially, our bottom line”

*-Bell Canada Technology
Development Group
Representative*

Summary

Anue Systems enables Bell Canada to validate performance for their Canada-wide network. This validation ensures Bell’s Service Level Agreements can be maintained across their different service offerings to both business and residential customers.

Client Profile

BCE is Canada’s largest communications company. Through its operations that span across the country and in the United States, BCE provides residential and business customers with wireline and wireless telecommunications products, applications and services, satellite communications and direct-to-home television services, systems integration expertise, electronic commerce solutions, Internet access and high-speed data services. Bell Canada’s Technology Development Group is responsible for testing new technologies, particularly at Layer 1. These technologies are used throughout the nationwide Bell Canada network..

Project Initiative

With thousands of business and residential customers relying on Bell’s network, performance is critical. Service interruptions, due to network delays and impairments, are a recipe for disaster. Prior to using Anue’s Network Emulators, Bell Canada was using spools of fiber, which provided limited results. Often, Bell Canada was only able to introduce a few milliseconds of delay, which was not representative of actual delays on extreme cases on their network. With the Anue SONET Signal Delay and Path Delay Network Emulators, which handle data rates from OC-3 to OC-192 on the same platform,



Bell Canada now has the ability to emulate a range of delays that represent their nationwide network. In addition, Bell Canada can now use the Anue Network Emulators to identify and understand network weaknesses before customers experience any issues.

Project Objective

It was imperative for Bell Canada to test the impact of delays and impairments across the entire nationwide network, particularly as new services are deployed. In addition, they needed to better understand the impact of delays and impairments on customer application traffic throughputs and implement robust protection and restoration mechanisms.

Customer Value

In today's world, no one can predict the issues that might occur on a network. There are many variables to consider. With business and residential customers dependent on network performance and availability, the value of the network emulators is clear. Bell Canada can now roll out new services with confidence, since they have a much better view of the network impact on various services. As a result of using Anue's Network Emulators, Bell Canada continues to improve customer satisfaction!