

ATM to Ethernet: Mobile Backhaul Migration Case Study

The Client

The client is a mid Eastern telecommunications provider who provides ATM services to third party base stations and their own base stations.

Business Challenges

The client's end customer was using ATM interface for leased lines for voice, data, and video. The ATM network was being switched off, but the end customers did not want to upgrade as they have made significant investments in equipment and processes that depend on ATM and specific features the service offers. They also felt it would be too difficult and disruptive for them to move to alternative services.

Why Virtual Access?

Using a combination of the GW8000 and Activator, Virtual Access was able to meet the client's reliability and cost requirements and avoid disruption to the end customer's service.

The Solution

Previously, the radio base station received mobile phone traffic and sent this traffic to a central site over ATM or other switching protocols. Using the GW8000 and Activator, the traffic at the radio base station is converted to Ethernet and is transported in IP over Ethernet.

How it Works

The solution enabled the client to maintain service over a modern fully supported IP infrastructure without disruption to end customers.

GW8000 Series Router

The GW8000 provides the physical interface and transport protocols needed for IP access over an Ethernet connection. This allows simultaneous delivery of ATM, IP and other services to the customer premises over a single line.

Activator

Activator, the Virtual Access provisioning system, provisions the router and AOS, and provides an OSS interface to other systems. It also assists in the migration process from the legacy network to the new network.

Solution Benefits

- Simple migration procedure
- Existing services replaced
- Delivery over broadband, together with other services
- Remote provisioning for routers
- No pre-configuring required by customer

Activator is used for:

- Provisioning
- Configuration and management

