

# Qwest® Asynchronous Transfer Mode Service

## Networkx Service Overview

### Multi-service solutions to help you meet your Agency's mission

Qwest's Asynchronous Transfer Mode Service (ATMS) uses state-of-the-art networking technology that enables multi-service solutions to support your Agency's applications. ATMS technology ensures that your Agency's most critical traffic receives the greatest resources and the best service. Qwest's ATMS is ideal for seamless integration of your Agency's service delivery point sites with a broad range of bandwidth requirements and a wide variety of access architectures. Qwest offers a full array of industry leading features, capabilities, and interfaces for Networkx ATMS customers.

### Features

- Delivered over Qwest's national and international fiber backbone featuring robust connectivity and inherent redundancy
- Seamless ATMS to Frame Relay Services (FRS) interworking
- Internet Protocol(IP) ATMS features enable any-to-any connectivity that is provided via a single permanent virtual circuit at each Agency location
- Flexible quality of service (QoS) objectives
- Scalable port speeds from DS-1 through OC-12
- Inverse Multiplexing over ATM 2xDS-1 to 8xDS-1
- Reliable, performance-based Acceptable Quality Levels
- Expert support to design, install and manage networks
- Easy-to-manage Qwest Control Networkx Portal
- Ability to burst to port speed
- Disaster Recovery Permanent Virtual Circuits (PVCs)
- Redundant world-class Network Operations Centers (NOCs) and Operation Support Systems (OSS)

### Benefits

- Proactive monitoring and network maintenance 24x7x365
- Ability to prioritize traffic based on application needs using QoS
- Supports multiple locations
- Improves cost of ownership by consolidating different business applications on one network
- IP enablement offers simplified, any-to-any connectivity that is provided via a single enterprise PVC at each Agency location (based on configuration and location)

### Geographic availability

Qwest's ATMS is global in reach, with coverage in more than 80 countries. It provides features for CONUS, OCONUS and non-domestic traffic, where available commercially. Qwest has partnered with multiple international ATMS providers, such as BT Infonet®, British Telecommunications®, and Equant®, to deliver Qwest's ATMS across the globe.

### Service quality

Qwest's ATMS is a highly reliable solution. Qwest uses industry leading, state-of-the-art carrier quality integrated ATMS devices. Your Agency will benefit from high quality services derived from a stable, proven network platform.

- Qwest consistently meets or exceeds the Networkx contract's Acceptable Quality Level (AQL) metrics.
- Qwest's ATMS is proactively monitored 24x7x365.

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- Qwest offers the additional capability of reporting statistical and alarm information directly to Agencies via our Web-based reporting service, the Qwest Control Network Portal.

### How it works

Qwest's ATMS is fully integrated with our Frame Relay platform, providing access to our Multi-Protocol Label Switched (MPLS) core network. This architecture makes Qwest's ATMS ideal for seamless integration of Agency sites with a broad range of bandwidth requirements and a wide variety of access architectures. Qwest's ATMS also provides IP-enabled ATM functionality through configurations. This offers Agencies any-to-any MPLS-based IP networking capability, which includes robust, Layer 3 QoS functionality.

Qwest's ATMS is comprised of local access, ATM Ports, and Virtual Circuit. Qwest's ATMS provides Layer 2 switched, connection-oriented transmissions at data rates from DS-1 to OC-12. Qwest's ATMS enables full use of available bandwidth up to the port capacity of the access circuits. Qwest's ATMS can interoperate with Qwest Frame Relay Services (FRS) at Agency-specified location service delivery points via Qwest-supplied routers, Layer 2 and Layer 3 switches, multiplexing/switching devices, computers, and other ATM access devices.

Qwest's ATMS supports Inverse Multiplexing (IMA) at speeds between 3 and 12 Mbps to provide more options between DS-1 and DS-3. IMA bandwidth ranges are 2xDS-1 to 8xDS-1. With ATMS IMA, Agencies can aggregate multiple DS-1 circuits to achieve bandwidth scalability for applications.

Qwest's ATMS features Virtual Circuit (VC) configurations up to Optical Carrier Level 12 (OC-12) and four Quality of Service (QoS) levels:

- Constant Bit Rate (CBR)
- Variable Bit Rate real time (VBRrt)
- Variable Bit Rate non-real-time (VBRnrt)
- Unspecified Bit Rate (UBR)

Qwest's ATMS offers service enabling devices (SED) that function as a multiplexer, router, hub or switch.

### Why buy from Qwest?

At Qwest, ATMS is more than a service; it's a tradition of providing exceptional quality services. Many of Qwest's current Agency customers are equipped to interwork their Frame Relay Services and ATMS because of Qwest's converged network architecture. Our network design allows ATMS Agency site connectivity to FRS or Internet Protocol Agency sites with access up to OC-12. This any-to-any approach, and worldwide reach, allows Agencies flexibility and reliability today along with the confidence that Qwest can address their needs in the future.

### Contract vehicle

#### Network Contracts

- Qwest contract overviews are available online at the Qwest Network website.  
<http://www.gsannetwork.com>

#### Contact information

- Contact the Qwest Customer Support Office at 1 866-GSA-NETWorx (1 866-472-6389) or at: [federal@qwest.com](mailto:federal@qwest.com)
- A list of Qwest Account Managers is available on the "Locate your Account Team" page on the Qwest Network Website, <http://www.gsannetwork.com>

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