

# Qwest® Internet Protocol Service

## Network Service Overview

### **World-class network with comprehensive access and port speed options**

Qwest's Internet Protocol Service (IPS) offers your Agency a world-class IP backbone network plus a full complement of access and port speed options. Qwest's IPS is supported by our in-depth expertise gained from years of successful service delivery to a broad set of federal and commercial customers. Your Agency will find that Qwest's IPS is ideal for the 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 interface requirements for Networkx IPS customers.

### **Service quality**

Qwest's IPS is a highly reliable solution. Qwest uses industry leading, state-of-the-art carrier quality integrated IPS 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 IPS is proactively monitored 24x7x365.
- Qwest offers the additional capability of reporting statistical and alarm information directly to Agencies via our Web-based reporting service, the Qwest Control Networkx Portal.

### **Benefits**

- Extensive public and private peering arrangements
- Multi-protocol label switching (MPLS) fast reroute and IP core redundancy with privatization of secure domain Network Based IP-VPN Service
- Global reach Primary and Secondary Domain Name Services
- Comprehensive Managed Security Value-Added Services
- Reliable, performance-based AQLs
- Expert support to design, install and manage networks
- Easy-to-manage Qwest Control Networkx Portal
- Ability to burst to port speed
- Redundant world-class Network Operations Centers (NOCs) and Operation Support Systems

### **Geographic availability**

Qwest's IP Service is global in reach, and provides the mandatory dial-up backup feature for CONUS, OCONUS and non-domestic traffic where available commercially. Qwest has partnered with multiple international IP Service providers, such as BT Infonet®, British Telecommunications®, and Equant® to deliver Qwest's IPS across the globe.

### **How it works**

Qwest's IPS offers reliable and dedicated Internet access service over the advanced Qwest OC-192 IP network, one of the most sophisticated networks available in the world. Qwest's IPS provides a full complement of port options, bandwidth speeds, dedicated-based services, wireless-based services and a set of robust service enabling devices (SEDs). Qwest supports Border Gateway Protocol (BGP) dynamic routing used by Agencies, or static routes. Your Agency has the option of customizing your BGP session. AS Path filtering, prefix-lists, Multi-Exit Discriminator and community strings all may be used to control and customize any Agency's BGP requirements. Qwest can provide your Agency with a selection of route announcements such as Default, Qwest routes, and full routing table.

Once connected to Qwest's IPS, your Agency will have the ability to reach the global resources of the Internet. Within the Qwest network, we have established a single Autonomous System (AS209) to provide single hop connectivity (through our MPLS core network) across the Qwest infrastructure.

Qwest's IPS provides flexible access solutions for your Agency with Fractional T-1 and full T-1 through OC-192c port bandwidth speed requirements. Qwest's IPS supports a variety of access types including Dedicated Access, Ethernet, ATM, Frame Relay, Broadband Wireless, Multimode Wireless LAN (MWLANs), Digital Subscriber Line, ISDN, Dial, and Satellite. Qwest's IPS offers service enabling devices that function as a multiplexer, router, hub or switch.

### **Why buy from Qwest?**

Qwest's IPS offers more than just a service; it offers an integral link in our long tradition of providing exceptional quality services with our Tier 1 global Internet backbone, built on top of our 10 Gbps-based private MPLS core.

Qwest's network design allows your Agency site connectivity to virtual private networks with a Premises-Based IP VPN service, IP-enabled Frame Relay or Asynchronous Transfer Mode Service. This any-to-any approach and worldwide reach allows your Agency not only flexibility and reliability now, but also the confidence that Qwest can address your Agency's needs in the future.

### **Contract vehicle**

#### **Network Contracts**

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