



## NETWORK PROTECTION

### A Business Continuity Solution

Help protect your voice and data networks with a wide range of network resiliency services from XO Communications.

Whether it's degraded network performance or a major crisis where your primary data center has gone down, XO Communications has the services and solutions to help you manage your network infrastructure for optimal performance and uptime in the "always-on" business environment.

XO Communications has one of the nation's largest and most technologically advanced nationwide networks with a robust architecture that is designed to automatically re-route traffic in the event a network route is cut or unavailable on our backbone network. In addition, we leverage both fiber-based and broadband wireless network solutions to offer customers resilient voice and data network solutions which can help keep your business running and protect your revenue stream.

XO® Network Protection Solutions offer voice and data network resiliency services that help you minimize the impacts and risks in the event of an unexpected network outage or natural disaster, including:

#### **Data Network Resiliency Services**

**Broadband Wireless Network Resiliency** – Connect your locations via high-speed back-up broadband wireless connections at speeds from 10 Mbps to 800 Mbps.

- Diversity – Help ensure continuity of operations through physically separate network connections to your location(s).
- High Availability – Carrier-grade performance with Service Level Agreements
- Flexibility – Connect your locations with a wide range of bandwidth options using Ethernet or private line options

Dedicated Internet Access Redundancy and Re-routing – Help ensure the continuity of your Internet access and applications high-performance bandwidth options from XO.

- Redundancy – Help ensure the continuity of your Internet access and applications with back-up IP ports at speeds up to 10 Gbps
- Multi-Homing – Help ensure optimal Internet performance and availability by sharing traffic between IP ports with BGP capabilities.
- Scalability – Connect your locations with a wide range of bandwidth options at speeds from T1 up to 10 Gbps

MPLS IP-VPN – High-performance, private MPLS-based wide area network solution that can serve as primary network or “always-on” back-up network.

- Performance – Help ensure maximum performance for your mission critical applications with Class of Service capabilities.
- Security – Private, MPLS network solution, separate from the public Internet.

Network Transport Services – Connect all of your locations and data centers with XO Communications’ high-bandwidth network services to provide an additional layer of network resiliency.

- Diversity – Help ensure continuity by deploying diverse network routes between locations and data center facilities.
- Flexibility – Utilize a wide range of access types from Ethernet, private line and wavelength and access speeds to help ensure diversity of primary and secondary network routes.

Collocation – Provides secure, controlled space and network access for your back-up servers.

- High-Speed Network Access – Provides switched and dedicated access to transport facilities via the XO network.
- Redundancy – Provides failover location in case your primary data center servers and storage arrays are unavailable.
- Nationwide Availability – Locate your servers in more than 40 XO collocation facilities nationwide.

Applications Performance Management – Proactive monitoring of applications and network performance so issues can be better anticipated.

- Proactive Monitoring – Have 24x7 visibility into the performance of applications running across your network and resolve issues before they become a major problem.

Managed Security – Provides back-up, remote access to corporate LAN.

- Diversity – Provides secure access to corporate networks for employees and partners through any Internet connection.

#### **Voice Network Resiliency Services**

- Intelligent Call Routing – Provides diversity through the ability to efficiently re-route large inbound call volume to alternate locations.
- Automatic Call Routing – Provides redundancy by re-routing calls to alternate landline or mobile phone.
- Emergency Redundancy Routing – Helps ensure calls get through by re-routing overloaded trunk(s) to alternate trunk group(s).