

## Managed Multi-Service Access Delivered to Your Premise

Converging enterprise networks for true multi-service operation is a key strategic goal for CIOs. Finding the right multi-service access solution that works with your telecommunications architecture is a critical business challenge: one that will support your business strategies, LAN/WAN infrastructure, IT network resources — and your bottom line.

The Level 3 Managed Ethernet Access service is a robust, multi-access solution that is easy to implement and operate. The service provides native Ethernet connectivity directly into your premises wherever TDM/SONET private and leased lines are available. The Managed Ethernet Access service requires a Level 3-provided access device at your premises and a single, local-access transport connection between this Customer Premises Equipment (CPE) to the Level 3 Point of Presence (POP). Using this infrastructure, multiple data, voice, video and storage extension services are accessible via dedicated, secure Ethernet virtual circuits that support traffic separation and prioritization. The solution eliminates the need for multiple access loops for each service while maintaining service integrity and performance.

Available throughout Level 3's regional and national network, the Managed Ethernet Access service is supported with 24 x 7 monitoring and management services and backed by our aggressive performance Service Level Agreements (SLAs).

### Overview

- Data services supported: Ethernet VPN, Dedicated Internet Access, IP VPN
- WAN configurations supported: T-1 (bonded/fixed), DS-3 (channelized /fixed), OC-3, OC-12
- LAN configurations supported: 10/100Base-TX, 100Base-FX, GigE
- 24 x 7 network management

	Metro Ethernet Private Line	Metro Ethernet Private LAN	Intercity Ethernet Private Line
<b>Description</b>	Dedicated, point to point, fully protected, service within a metro area over SONET ring	Switched, multipoint, fully protected, service within a metro area via VLANs over SONET ring	Dedicated, point to point, fully protected, service between metro areas over SONET/DWDM long-haul network
<b>Geographic Coverage</b>	Dedicated service within each of Level 3's 116 markets	Switched service within each of Level 3's 116 markets	Dedicated service between each of Level 3's 116 markets
<b>Data Rates</b>	3M, 6M, 10M, 20M, 30M, 40M, 50M, 100M, 200M, 300M, 400M, 500M, 600M, 1G, 10G	3M, 6M, 10M, 20M, 30M, 40M, 50M, 100M, 200M, 300M, 400M, 500M, 600M, 1G	50M, 100M, 200M, 300M, 400M, 500M, 600M, 1G
<b>Service Performance</b>	< 50ms full restoration	< 50ms full restoration	< 50ms full restoration

### Benefits

The Level 3 Managed Ethernet Access service expands your service access, allowing you to configure the right solution to meet your networking needs. This flexible access solution offers:

**Ethernet At Your Premises** – The service delivers native Ethernet connectivity to your premise, supporting all LAN protocols, even in markets not served by an Ethernet local access provider. Now you can easily extend Ethernet service beyond your LAN to the wide-area network.

**Reduced Access Costs** – Expand your telecommunications service options while reducing access costs with multi-service provisioning of Ethernet VPN, IP VPN and Dedicated Internet Access services over the same access connection.

**Flexible Provisioning and Operation** – We give you flexibility and control of your access solution. Provision multiple 802.1q VLAN-based Virtual Circuits (VCs) on the same port at your site, or carve out specific amounts of bandwidth by application and prioritize different traffic types.

**Nationwide Service Availability** – Level 3 delivers nationwide access to our services directly to your premise by providing Ethernet VC speeds up to 1 Gbps supported in 1 Mbps increments utilizing DS-1, NxDS-1, DS-3, NxDS-3 and OC-n private line connections in the last mile.

**Complete Turnkey Solution** – Level 3 provides turnkey support for your Managed Ethernet Access solution, including Engineering, Furnishing and Installation (EF&I) services for the CPE at your premises and end-to-end service configuration, test and turn-up.

**Monitoring and Management** – Level 3's dedicated Network Management Center (NMC) and field technicians monitor and manage your end-to-end solution 24 x 7, including fault and performance monitoring, incident validation, trouble ticketing, resolution, and more.

**Service Level Agreements** – The Level 3 Managed Ethernet Access solution is backed by end-to-end SLAs, including the CPE, local access and long-haul transport.

## Enterprise Business Applications

The Level 3 Managed Ethernet Access solution is well suited for those applications that require high capacity, multi-service throughput connecting geographically dispersed metro locations including:

- Remote or branch corporate office interconnection with headquarter location
- Multi-tenant or large campus environments
- Cellular backhaul from towers to switching centers
- File-sharing, distance-learning and administrative applications for educational facilities
- LAN/WAN interconnection for all types of enterprises
- File transfer or distributed Computer Aided Design (CAD) applications for engineering and construction firms
- High-speed dedicated Internet access.

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1-877-2LEVEL3*