

## HIGH-SPEED CONNECTIVITY WITH SUPERIOR FUNCTIONALITY

We have moved Carrier-Ethernet forward to a new era of business-defined networking. Our services add value to a timeless and highly-resilient technology with our flexible deployment options.

### FROM LAN TO WAN

Ethernet has continuously reinvented itself as the technology of choice for networks around the world. The high-speeds and simplicity that Ethernet brings to Local Area Networks (LANs) have evolved with advanced capabilities to support Wide Area Networks (WANs). With our services, we make it easy for you to configure and shape your network with different topologies using our EVPL and ELAN services.

### HIGH-SPEED CONNECTIVITY

You can depend on high-speed connectivity to distribute your data from one or multiple sites to one or multiple destinations using Ethernet. We guarantee speeds up to 10Gbps, based on the topologies you choose.

### WELL-DEFINED SERVICE ATTRIBUTES

Our Ethernet services are based on the MEF 2.0 Carrier-Ethernet framework and underpinned by our IP backbone and operational management. We maintain a secure service offering with key service attributes:

1. Standardized: Predictable and repeatable services.
2. QoS: SLA based on real-time data.
3. Service Management: Services are simple to roll-out, manage, and troubleshoot.
4. Reliability: Failures on the network can be detected and recovered instantly.
5. Scalability: Ability to technically scale bandwidth, coverage, and services.

## BENEFITS IN BRIEF

### FLEXIBILITY

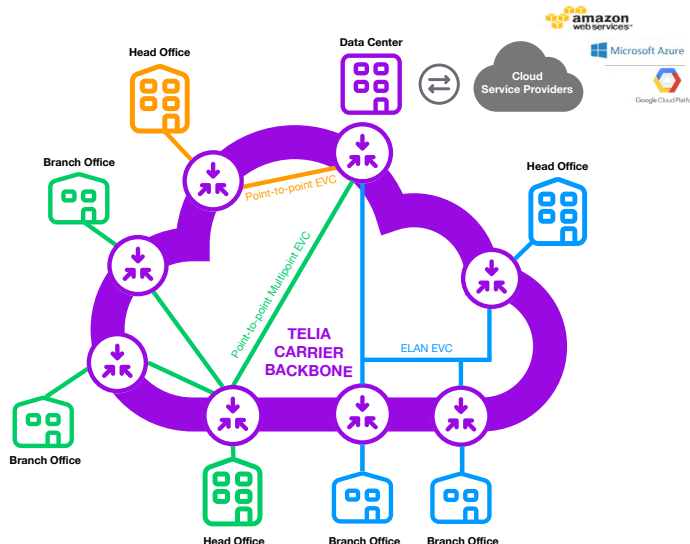
Configure and shape your network. Choose Point-to-Point, Point-to-Multipoint, or Hub and Spoke topologies.

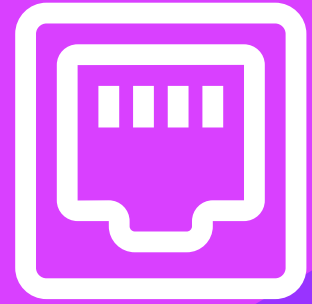
### HIGH-SPEED

Transport data from one or multiple core sites to different destination sites with high speeds. Guaranteed speeds of up to 10Gbps, based on topologies.

### STABILITY

Services delivered via Telia Carrier's MEF certified Ethernet Service Platform to ensure industry-grade service standards.







## TECHNICAL HIGHLIGHTS

Carrier-grade Ethernet is based on the well-defined Metro Ethernet Forum (MEF) reference architecture and provides highly-scalable granularity from 1 Mbs to 10 Gbps. Telia Carrier provides customers with an SLA committing to high-QoS and support for operations, administration, and maintenance (OAM). Our Ethernet Services also extends to other services we offer; Smart IP-VPN, Cloud Connect, and Internet Exchange (IX) Connect.

Network security needs visibility of traffic routes. We provide monitoring tools to check traffic performance.

- Global Managed Customer Premises Equipment (CPE) support for end-to-end control
- Near real-time & historical view of bandwidth usage and Ethernet-to-Ethernet (e2e) network performance parameters like jitter and latency in our MyCarrier portal.

| PRODUCT             | EVPL   | ELAN  |
|---------------------|--|---|
| Topology            | <br>Point-to-point, Hub and Spoke | <br>Any-to-any |
| Technology          | Ethernet over MPLS   |   |
| Quality             | High, with optional end-to-end SLA & CoS (5 levels)  |   |
| Bandwidth           | 1 Mb/s – 10 Gb/s   |   |
| Protection          | Mesh   |   |
| Coverage            | Global with managed NIDs in >120 countries   |   |
| Features            | MPOP (Multiple Product Support)  |   |
| MEF Defined Service | E-LINE – EVPL<br>E-LINE – EPL  | EP-LAN<br>EVP-LAN   |

## USE CASES

### NETWORKING AROUND BUSINESS MODELS

Ethernet is a ubiquitous and versatile technology that scales efficiently and flexibly to meet business needs.

### FUTURE-PROOF TECHNOLOGY BACKBONE

Ethernet has become the indispensable backbone technology for organizations across multiple industries. It is simple to operate, maintain, and administrate.

### SUPPORTING BUSINESS EXPANSION

Ethernet helps businesses support a broader and wider coverage as a WAN technology - connecting new branch offices, data centers, and cloud service providers.

*Note: This document provides indicative service information and is not contractually or legally binding. Updated May 2020.*