

LUMEN ETHERNET SERVICE SCHEDULE

1. General. This Service Schedule is applicable only where Customer orders Ethernet Line Service (E-Line), Ethernet LAN Service (E-LAN), Ethernet Access Service (E-Access), Ethernet Private Line (EPL), Ethernet Leased Line (ELL), or Ethernet Virtual Private Line (EVPL) Service (the "Service(s)"). "Lumen" is defined for purposes of this Service Schedule as CenturyLink Communications, LLC d/b/a Lumen Technologies Group or its affiliated entities. This Service Schedule incorporates the terms of the Master Service Agreement or other service agreement under which Lumen provides service to Customer, and if none, Lumen's standard Master Service Agreement (the "Agreement"). Lumen may subcontract any or all of the work to be performed under this Service Schedule. All capitalized terms that are used but not defined in this Service Schedule are defined in the Agreement or Order.

1.1 Additional General Terms. Customer will pay all charges for the Service. Service charges are exclusive of taxes and presented without reduction for any Withholding Tax, all of which are the responsibility of the Customer. "Withholding Tax" means any amount or account of tax on sources of income which a payor is obliged to deduct from payments due to a recipient and account for or to any tax authority. In the event that any payment to be made to Lumen under this Service Schedule should be subject to reduction by reason of a Withholding Tax, Customer agrees to pay Lumen such amounts as would have been necessary so that the aggregate net amount received by Lumen after application of a Withholding Tax is the same amount as would have been received by Lumen if there had been no requirement to deduct or withhold such tax. For Services provided outside the United States, Customer or its local affiliate may be required to enter into a separate local country addendum/agreement (as approved by local authorities) ("LCA") with the respective Lumen affiliate that provides the local Service(s). Such Lumen affiliate will invoice Customer or its local affiliate for the respective local Service(s).

2. Services. Additional features or functionality described in an Order, and not described or referenced in this Service Schedule will be provisioned at then current rates pursuant to Lumen's then-current Service Schedule and/or Service Guide applicable to the features or functionality, both of which are located at <https://www.lumen.com/en-us/about/legal/business-customer-terms-conditions.html>.

2.1 Ethernet Line Service (E-Line). E-Line is a point-to-point Ethernet service that can traverse between any two UNIs. E-Line can be configured as a virtual private service called E-Line EVPL or a private service called E-Line EPL. In a VLAN aware configuration E-Line EVPL can be used as a hub and spoke architecture. It can be ordered in various bandwidth increments and specific E-Line EVC Types. The E-Line product is Metro Ethernet Forum (MEF) Carrier Ethernet (CE) 3.0 certified for both E-Line EVPL and E-Line EPL. E-Line is available with Single-CoS.

2.2 Ethernet LAN Service (E-LAN). E-LAN is a fully meshed multipoint-to-multipoint circuit between two to 50 UNIs connected by an E-LAN EVC. E-LAN can be configured as a virtual private service called EVP-LAN or a private service called EP-LAN. E-LAN EVC endpoints participate within the E-LAN Service and can be ordered in various bandwidth increments and specific E-LAN EVC Types. The E-LAN product is MEF Carrier Ethernet (CE) 3.0 certified for both EVP-LAN and EP-LAN. E-LAN is available with Single or Multi-CoS.

2.3 Ethernet Access Service (E-Access). E-Access is a point-to-point or point-to-multipoint carrier Ethernet service connecting ENNs and W-UNIs with OVCs. E-Access can be configured as a virtual private service called E-Access EVPL or a private service called E-Access EPL. E-Access can be ordered in various bandwidth increments and specific E-Access OVC Types. The E-Access product is MEF Carrier Ethernet (CE) 3.0 certified for both E-Access EVPL and E-Access EPL. E-Access is available with Single-CoS.

2.4 Ethernet Private Line (EPL). Port-based point-to-point circuits that deliver a high degree of transparency for service frames between standard 10/100/1000 Mbps interfaces. Metro EPL Service is provided in the same metropolitan market. Intercity EPL Service is between two markets. EPL is offered in a Protected or Unprotected configuration. EPL Service is restricted and is available on a limited basis to existing EPL Customers only.

2.5 Ethernet Virtual Private Line (EVPL). Point-to-point circuits that deliver a lower degree of transparency for service frames but can be ordered as a VLAN aware or as a bundled configuration. EVPL is made up of at least two UNIs and at least one EVC. In the VLAN aware configuration EVPL can be used as a hub and spoke architecture. EVPL is always delivered in a Protected configuration. Each UNI and EVC is priced separately. EVPL is available with Single-CoS. EVPL Service is restricted and is available on a limited basis to existing EVPL Customers only.

2.6 Ethernet Leased Line (ELL). In certain locations where Lumen does not have On-Net Service, Lumen may choose to a) arrange ethernet Services using third party providers; or b) procure ethernet Services from third party provider(s) on Customer's behalf (Ethernet Lease Line). Ethernet Leased Line is a point-to-point circuit that can traverse between any two UNIs, can be configured as a virtual private service, and will be delivered completely Offnet by third party providers. Customer understands and acknowledges that Ethernet Leased Line is provided on an as-is basis. Notwithstanding the foregoing, Customer may report faults and/or outages in Ethernet Lease Line to Lumen on a 24x7 basis and, in such circumstances, Lumen will contact the applicable third-party service provider with a view to restoring service as quickly as possible. Customer will reasonably cooperate with the requests of such providers of Ethernet Leased Line Service to enable installation, maintenance, repair, and disconnection of Services.

2.7 Standalone UNI. Multiplex UNIs may be ordered to be used with Ethernet On-Demand (EOD), Internet On-Demand (IOD), or any qualified supported Lumen provided service, as designated by Lumen.

2.8 Virtual Private LAN "Local Area Network" Service (VPLS). VPLS provides private site-to-site communications over Lumen's MPLS (Multi Protocol Label Switching) Network using Ethernet. Customer must purchase at least 2 ports to set up private site-to-site connections. The Service is connected to each site, including additional sites designated by Customer (together "Customer Sites") through the Customer port at either a circuit location address or a Lumen Point of Presence (PoP) as specified in the Order. Customer Sites will be connected to a port at one or more Lumen MPLS Network PoPs at a fixed data transmission rate.

2.8.1 Enhanced Reporting. Lumen offers enhanced performance statistics (hereafter “Enhanced Reporting”) with VPLS where available. Customer may subscribe to Enhanced Reporting for an additional charge. If available at Customer’s location, Customer may request information regarding the availability of Enhanced Reporting at any particular location. Where available, these features provide end-to-end reporting and SLA’s for the following statistics: data delivery, latency and jitter that can be accessed by Customer via the Lumen provided customer portal. Enhanced Reporting may require Smart Demarcation.

2.8.2 Smart Demarcation. In certain locations, where available, for VPLS services with Ethernet access, Lumen provides ‘Smart Demarcation’ which is the supply and installation of a Smart Demarcation device (also referred to as a Network Interface Device or “NID”) used for Ethernet connectivity fault management for up to 1Gbps port speeds at Customer Sites.

2.9 Services from Others. Where Service is terminated Off-Net, Customer will provide Lumen with circuit facility assignment, firm order commitment and the design layout records necessary for Lumen to make cross-connections to the Off-Net carrier. Lumen’s charges assume that Off-Net service: (a) will be available from Lumen’s selected provider and (b) will be terminated at the minimum point of entry (MPOE) pre-determined by the Off-Net provider. If these assumptions are incorrect, additional charges may apply to either the Off-Net component or, in the case of MPOE extensions, for inside wiring provided by Lumen. Customer will provide required inside wiring if the Off-Net provider does not or cannot perform required inside wiring.

2.10 Service Levels. Service is subject to the Lumen Service Level Agreement available at <https://www.lumen.com/en-us/about/legal/business-customer-terms-conditions.html> and is subject to change. If Lumen changes the Lumen Service Level Agreement and the change is material and detrimental, Customer may request and receive the last version of the Service Level Agreement in effect before the change.

3. Definitions. The following terms are defined for the purposes of this Service Schedule:

Class of Service (CoS) – Option for increased prioritization per EVC/OVC on the Lumen network. Single-CoS is available as Basic, Enhanced, or Premium/Dedicated, where Lumen marks all Customer traffic on an EVC/OVC. Multi-CoS is available as Low, Medium, or High, where Customer dynamically marks Customer traffic for prioritization.

Customer Commit Date - The date by which Lumen will install Service. The Customer Commit Date is established following Lumen’s acceptance of a Customer Order.

End-to-end or E2E and includes the On-Net and Off-Net access components of Services taken together.

Ethernet Virtual Connection (EVC) - Logical Ethernet service between two or more UNIs that limits the exchange of Service Frames to UNIs in the EVC.

EVC/OVC Type - a more specific configuration description of the Ethernet Service. E-Line and E-Access are available as Ethernet Virtual Private Line (EVPL) or Ethernet Private Line (EPL); E-LAN is available as Ethernet Virtual Private LAN (EVP-LAN) or Ethernet Private LAN (EP-LAN).

External Network-to-Network Interface (ENNI) - A resilient access point directly into the Lumen National Ethernet core from which next generation Ethernet products may be ordered and terminated. The ENNI is an aggregated Ethernet port where many segregated service instances are collected together for switching between two Ethernet networks and may be ordered with a single or dual handoff.

On-Net - Service provided on the network owned (or operated and controlled) by Lumen between two locations that are served directly by Lumen owned (or operated and controlled) fiber and Lumen owned equipment. Services that are not On-Net are “Off-Net”.

Operator Virtual Connection (OVC) – Logical Ethernet service between Wholesale UNIs and ENNIs, where at least one end is an ENNI, which limits the exchange of Service Frames to UNIs/ENNIs in the OVC. Available only with E-Access.

Protected - Any Service that is configured generally to include a protection scheme that allows traffic to be re-routed in the event of a fiber cut or equipment failure. Services which are not Protected are “Unprotected.”

“Service Guide” (or “SG”) means the product-specific Service guide that includes technical descriptions which Lumen may modify from time to time, effective upon posting at: <https://www.lumen.com/en-us/about/legal/business-customer-terms-conditions.html>.

Unavailable/Unavailability - Ethernet port (or the Service directly associated with such port) downtime.

User Network Interface (UNI) / Wholesale User Network Interface (W-UNI) - The physical interconnect at the Customer Metro Edge which may be ordered as a transparent or multiplexed interface.

Virtual LAN (VLAN) - A logical separation of network elements.

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