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## **7. DEDICATED SERVICES**

### **7.1 SERVICE DESCRIPTIONS**

#### **7.1.1 QWEST METRO PRIVATE LINE (QMPL)**

##### **A. Description**

Qwest Metro Private Line Service (QMPL) provides dedicated, point-to-point, private line connections between two customer locations, over a shared, high capacity fiber-optic network. The locations can be single-customer buildings, multi-tenant units or carrier POPs. The service is available only to end user business customers. The minimum term is one year.

QMPL Service is provided as follows:

1. On-Net to On-Net is an arrangement where both ends of the service originate in buildings using facilities that are provisioned by the Company. This service is provided at speeds of 1.544 Mbps (DS1), 44.736 Mbps (DS3), 155.52 Mbps (OC3), 622.08 Mbps (OC12) and 2.488 Gbps (OC48).

Concatenated OC3C, OC12C and OC48C are also offered. Concatenated services are not multiplexed or channelized. The entire bandwidth of the service is available to the customer for maximum transmission throughput.

2. On-Net to Off-Net is an arrangement where service is provisioned using a combination of On-Net facilities provided by the Company, and facilities that are owned and operated by a third party provider, which is considered Off-Net. The Company will order Off-Net facilities on the customer's behalf. This arrangement is provided for DS1 through OC12 only.

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## **7. DEDICATED SERVICES**

### **7.1 SERVICE DESCRIPTIONS**

#### **7.1.1 QWEST METRO PRIVATE LINE (QMPL) (CONT'D)**

##### **B. Terms and Conditions**

###### **Availability**

- QMPL Service can only be provided where suitable facilities are available.
- Where suitable facilities are unavailable for provisioning of the service, but the Company agrees to provide service, special construction of the facilities may be necessary and Special Construction charges may apply.
- OC48 is not provided on an Off-Net basis.

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## 7. DEDICATED SERVICES

### 7.1 SERVICE DESCRIPTIONS

#### 7.1.1 QWEST METRO PRIVATE LINE (QMPL) (CONT'D)

##### C. Rate Elements

##### 1. Mileage

Mileage provides for the transmission facilities between two customer POTs. Mileage is comprised of a fixed rate element and a per mile rate element. Mileage is measured by airline miles between the customer's Points of Termination (POT), using the V & H Coordinates method.

##### 2. Multiplexing

Multiplexing provides the ability to convert a higher speed channel to several lower speed channels, or to combine several lower speed channels into a single higher speed channel. Multiplexing is offered to On-Net to On-Net customers only. The multiplexing hierarchy is as follows:

- DS3 channelizes to 28 DS1s
- OC3 channelizes to 3 DS3s
- OC12 channelizes to 4 OC3s
- OC48 channelizes to 4 OC12s

There are two types of multiplexing:

- Customer premises multiplexing, where the signal will be dropped to a lower bandwidth to different areas of a building, or
- Vendor multiplexing, that occurs in the carrier POT and gives the vendor different speed signals.

##### 3. Node

The Node provides for the communication path between a customer's designated premises and the POT to the Qwest network. A Node element applies per service, e.g. DS1 or DS3 terminated at the customer's premises.

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## **7. DEDICATED SERVICES**

### **7.1 SERVICE DESCRIPTIONS**

#### **7.1.1 QWEST METRO PRIVATE LINE (QMPL) (CONT'D)**

##### **D. Rates and Charges**

Rates and Charges for QMPL will be developed on an Individual Case Basis (ICB) arrangement in response to a bona fide request for service from a customer or prospective customer. ICB rates will be offered to customers in writing and will be made available to similarly situated customers.

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## **7. DEDICATED SERVICES**

### **7.1 SERVICE DESCRIPTIONS (CONT'D)**

#### **7.1.2 METRO OPTICAL ETHERNET**

##### **A. Description**

Metro Optical Ethernet (MOE) Service is a flexible, easy-to-use, transport service that uses established Ethernet transport technology. MOE allows customers to connect multiple enterprise locations within a service area using native Ethernet protocol. MOE supports transmission speeds as low as 5 Mbps and up to 1 Gbps. The minimum term is one year.

##### **B. Rate Elements**

###### **1. MOE Port**

MOE Port is an Ethernet port that is the physical entry point to the shared Metro Optical Ethernet Network. Ethernet Virtual Circuits (EVCs) originate and terminate on a MOE Port. Customers may choose to connect to a 10/100 or 1,000 Mbps port on the Company network. A nonrecurring charge applies per MOE Port.

###### **2. Bandwidth Profile**

The Bandwidth Profile is bandwidth provisioned over the MOE Port and a monthly rate is assessed per Bandwidth Profile. Customers may subscribe to one of the following:

- 10/100 Mbps Ports: 5 Mbps, 10 Mbps, 20 Mbps, 30 Mbps, 40 Mbps, 50 Mbps, 60 Mbps, 70 Mbps, 80 Mbps, 90 Mbps and 100 Mbps
- 1,000 Mbps Ports: 100 Mbps, 150 Mbps, 200 Mbps, 300 Mbps, 400 Mbps, 500 Mbps, 600 Mbps, 700 Mbps, 800 Mbps, 900 Mbps and 1,000 Mbps

##### **C. Rates and Charges**

Rates and Charges for MOE will be developed on an Individual Case Basis (ICB) arrangement in response to a bona fide request for service from a customer or prospective customer. ICB rates will be offered to customers in writing and will be made available to similarly situated customers.

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## **7. DEDICATED SERVICES**

### **7.1 SERVICE DESCRIPTIONS (CONT'D)**

#### **7.1.3 QWEST *QWAVE***

##### **A. Description**

Qwest *QWAVE* Service is a wavelength (Lambda) solution that addresses a range of dense wave division multiplexing (DWDM) transport applications including Metro and Inter-City applications. *QWAVE* offers 2.5G (OC48), 10G (OC192), 1GbE and 10GbE LAN PHY unprotected and Protected wavelength services for customers who need high capacity transport and want greater control and visibility of their broadband services. *QWAVE* supports synchronous optical network (SONET) and synchronous digital hierarchy (SDH) protocols. The minimum term is one year.

##### **B. Rates and Charges**

Rates and Charges for *QWAVE* will be developed on an Individual Case Basis (ICB) arrangement in response to a bona fide request for service from a customer or prospective customer. ICB rates will be offered to customers in writing and will be made available to similarly situated customers.