

## **Zayo CALNET 3 Category 3**

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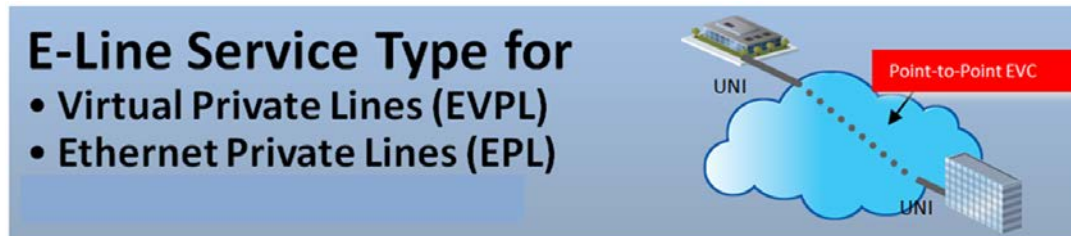
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### 3.2.1.6.a MAE Services and Features

#### Contractor's Summary description of service:

Zayo provides three Classes of Service (CoS) options (also known as Standard Class of Service) for the EPL/EVPL metro area network Ethernet (MAE) service: BASIC, PRIORITY and PREMIUM. The CoS options allows for differentiated service performance levels for different types of network traffic. CoS options allows Customers to prioritize mission-critical traffic from lesser priority traffic in the network. The CoS is associated with the bandwidth usage rate Committed Information Rate (CIR) ordered by the Customer for each connection at the Customer locations. If the Customer requests multiple EVCs per location, then a CoS is associated with each EVC.



#### Geographic Availability:

Zayo's MAE service is available in the geographic areas described on Table 3.2.1.7 MAE Service Geographic Requirements in the SOW Technical Requirements document for Category 3 - MAN Ethernet, which consists of the following cities:

Citrus Heights	Rohnert Park
Cotati	Sacramento
Elk Grove	San Francisco
Folsom	San Jose
Milpitas	San Rafael
Oakland	Santa Clara
Palo Alto	Santa Rosa
Petaluma	Sunnyvale
Pleasanton	West Sacramento
Rancho Cordova	

**3.2.1.6.a MAE Services and Features**

**Service Limitations and Restrictions**

Zayo's Metro Area Network Ethernet services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Zayo would like to clarify that access is subject to the availability of Zayo facilities. Where facilities are not available, special construction charges may apply. Special construction may not be ordered or billed using the CALNET contracts and must be procured by other means.

**Change Charge Applicability:**

Change Charges apply to modifications of existing services and features. Change Charges do not apply to disconnects.

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
1	EPL MAE Service Connection 10/100 Mbps	301001	10/100 Mbps Ethernet port per location; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$174.25	Each	\$150.00	Yes	Required
2	EPL MAE Service Connection 10/100 Mbps with Managed Router	301002	10/100 Mbps Ethernet port per location with managed router; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$251.13	Each	\$150.00	Yes	Required
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	301003	1000 Mbps Ethernet port per location; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$256.25	Each	\$150.00	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
4	EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301004	1000 Mbps Ethernet port per location with managed router; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$333.13	Each	\$150.00	Yes	Required
5	EPL MAE Service Connection 10 Gigabit Ethernet (10 Gbps)	301100	10000 Mbps Ethernet port per location; Assessed per interface at bandwidths of 10 Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$871.25	Each	\$150.00	Yes	Required
6	EPL MAE Service Connection 100 Gigabit Ethernet (100 Gbps)	301101	100000 Mbps Ethernet port per location; The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, with full CIR, delivered as a wavelength.		\$500.00	\$6,560.00	Each	\$150.00	Yes	Required
7	EVPL MAE Service Connection 10/100 Mbps	301005	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$174.25	Each	\$150.00	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
8	EVPL MAE Service Connection 10/100 Mbps with Managed Router	301006	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T) with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$251.13	Each	\$150.00	Yes	Required
9	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	301007	Assessed per interface at bandwidths of 1Gbps Ethernet. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$256.25	Each	\$150.00	Yes	Required
10	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301008	Assessed per interface at bandwidths of 1Gbps Ethernet with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$333.13	Each	\$150.00	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
11	EVPL MAE Service Connection 10 Gigabit Ethernet (10 Gbps)	301102	Assessed per interface at bandwidths of 10 Gbps Ethernet. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		\$150.00	\$871.25	Each	\$150.00	Yes	Required
12	Additional MAE MAC Addresses (51-100)	301009	MAC Address rate element is a data link layer protocol used for Layer 2 connectivity. Standard service allows up to 50 MAC addresses to be present per EPL/EVPL connection. This optional feature increases that limit to up to 100 MAC addresses per EPL/EVPL connection. A technical review will be necessary to determine if service can be provided and for approval to exceed the limit.		\$5.00	\$0.51	Each	N/A	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
13	Ethernet Virtual Connection (EVC) MAE	301010	EVC rate element. EVCs shall be assigned in 1 Mbps increments within each port range. Customer may order additional EVCs to establish additional virtual connections over the same physical connections. When additional EVCs are ordered, the Customer must designate the portion of the CIR bandwidth assigned to each EVC.		\$5.00	\$0.00	Each	N/A	Yes	Required
<b>CIR (Basic CoS MAE)</b>										
14	BASIC CIR - 2 Mbps	301201	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$40.20	Each	N/A	Yes	Required
15	BASIC CIR MAE - 4 Mbps	301202	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$60.31	Each	N/A	Yes	Required
16	BASIC CIR MAE - 8 Mbps	301203	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$107.23	Each	N/A	Yes	Required
<b>CIR (PRIORITY CoS MAE)</b>										
17	PRIORITY CIR MAE - 2 Mbps	301401	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$47.30	Each	N/A	Yes	Required



**3.2.1.6.a MAE Services and Features**

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Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
18	PRIORITY CIR MAE - 4 Mbps	301402	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$70.95	Each	N/A	Yes	Required
19	PRIORITY CIR MAE - 5 Mbps	301403	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$82.00	Each	N/A	Yes	Required
20	PRIORITY CIR MAE - 8 Mbps	301404	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$126.15	Each	N/A	Yes	Required
21	PRIORITY CIR MAE - 10 Mbps	301405	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$245.19	Each	N/A	Yes	Required
22	PRIORITY CIR MAE - 20 Mbps	301406	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$343.73	Each	N/A	Yes	Required
23	PRIORITY CIR MAE - 50 Mbps	301407	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$419.42	Each	N/A	Yes	Required
24	PRIORITY CIR MAE - 100 Mbps	301408	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$495.11	Each	N/A	Yes	Required
25	PRIORITY CIR MAE - 150 Mbps	301409	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$544.61	Each	N/A	Yes	Required
26	PRIORITY CIR MAE - 250 Mbps	301410	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$599.07	Each	N/A	Yes	Required
27	PRIORITY CIR MAE - 500 Mbps	301411	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$658.98	Each	N/A	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
28	PRIORITY CIR MAE - 600 Mbps	301412	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$724.88	Each	N/A	Yes	Required
29	PRIORITY CIR MAE - 1000 Mbps	301413	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$797.37	Each	N/A	Yes	Required
30	PRIORITY CIR MAE - 2000 Mbps	301710	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,003.33	Each	N/A	Yes	Required
31	PRIORITY CIR MAE - 3000 Mbps	301711	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,133.36	Each	N/A	Yes	Required
32	PRIORITY CIR MAE - 4000 Mbps	301712	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,263.40	Each	N/A	Yes	Required
33	PRIORITY CIR MAE - 5000 Mbps	301713	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,393.44	Each	N/A	Yes	Required
34	PRIORITY CIR MAE - 6000 Mbps	301714	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,523.47	Each	N/A	Yes	Required
35	PRIORITY CIR MAE - 7000 Mbps	301715	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,653.51	Each	N/A	Yes	Required
36	PRIORITY CIR MAE - 8000 Mbps	301716	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,783.54	Each	N/A	Yes	Required
37	PRIORITY CIR MAE - 9000 Mbps	301717	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,913.58	Each	N/A	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
38	PRIORITY CIR MAE - 10000 Mbps	301718	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$2,043.61	Each	N/A	Yes	Required
<b>CIR (PREMIUM CoS MAE)</b>										
39	PREMIUM CIR MAE - 2 Mbps	301601	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$54.40	Each	N/A	Yes	Required
40	PREMIUM CIR MAE - 4 Mbps	301602	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$81.60	Each	N/A	Yes	Required
41	PREMIUM CIR MAE - 5 Mbps	301603	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$94.30	Each	N/A	Yes	Required
42	PREMIUM CIR MAE - 8 Mbps	301604	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$145.07	Each	N/A	Yes	Required
43	PREMIUM CIR MAE - 10 Mbps	301605	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$281.97	Each	N/A	Yes	Required
44	PREMIUM CIR MAE - 20 Mbps	301606	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$395.29	Each	N/A	Yes	Required
45	PREMIUM CIR MAE - 50 Mbps	301607	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$482.33	Each	N/A	Yes	Required
46	PREMIUM CIR MAE - 100 Mbps	301608	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$569.37	Each	N/A	Yes	Required

**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
47	PREMIUM CIR MAE – 150 Mbps	301609	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$626.31	Each	N/A	Yes	Required
48	PREMIUM CIR MAE – 250 Mbps	301610	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$688.93	Each	N/A	Yes	Required
49	PREMIUM CIR MAE – 500 Mbps	301611	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$757.83	Each	N/A	Yes	Required
50	PREMIUM CIR MAE – 600 Mbps	301612	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$833.61	Each	N/A	Yes	Required
51	PREMIUM CIR MAE – 1000 Mbps	301613	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$916.98	Each	N/A	Yes	Required
52	PREMIUM CIR MAE – 2000 Mbps	301719	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,053.52	Each	N/A	Yes	Required
53	PREMIUM CIR MAE – 3000 Mbps	301720	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,190.06	Each	N/A	Yes	Required
54	PREMIUM CIR MAE – 4000 Mbps	301721	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,326.60	Each	N/A	Yes	Required
55	PREMIUM CIR MAE – 5000 Mbps	301722	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,456.63	Each	N/A	Yes	Required
56	PREMIUM CIR MAE – 6000 Mbps	301723	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,586.67	Each	N/A	Yes	Required

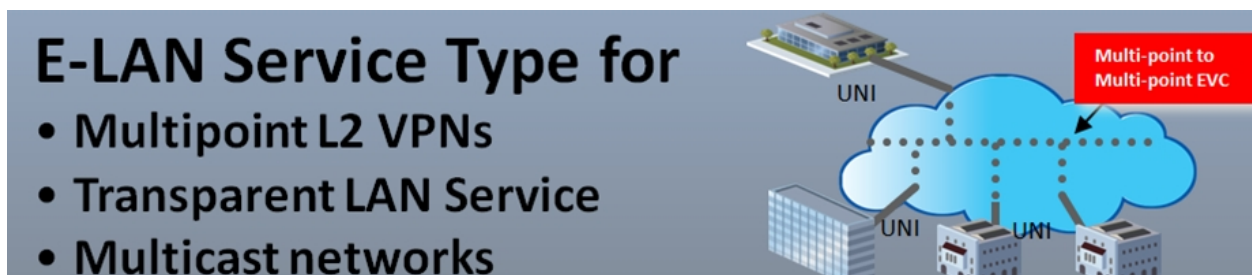
**3.2.1.6.a MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
57	PREMIUM CIR MAE – 7000 Mbps	301724	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,716.70	Each	N/A	Yes	Required
58	PREMIUM CIR MAE – 8000 Mbps	301725	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,846.74	Each	N/A	Yes	Required
59	PREMIUM CIR MAE – 9000 Mbps	301726	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$1,976.78	Each	N/A	Yes	Required
60	PREMIUM CIR MAE – 10000 Mbps	301727	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$2,106.83	Each	N/A	Yes	Required
61	PREMIUM CIR MAE – 100000 Mbps	301728	The guaranteed average bandwidth of the virtual circuit.		\$15.00	\$14,965.00	Each	N/A	Yes	Required

### 3.2.1.6.b EP-LAN MAE Services and Features

#### Contractor's Summary description of service:

Zayo provides three Classes of Service (CoS) options (also known as Standard Class of Service) for the EP-LAN metro area network Ethernet (MAE) service: BASIC, PRIORITY and PREMIUM. The CoS options allows for differentiated service performance levels for different types of network traffic. CoS options allows Customers to prioritize mission-critical traffic from lesser priority traffic in the network. The CoS is associated with the bandwidth usage rate Committed Information Rate (CIR) ordered by the Customer for each connection at the Customer locations. If the Customer requests multiple EVCs per location, then a CoS is associated with each EVC.



This service shall provide a logical Multipoint-to-Multipoint connection between three (3) or more Customer locations or Customer locations and the Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location as a fully meshed service. An EP-LAN service shall enable Customers to use any VLANs or layer 2 control protocols across the service without coordination with the Contractor. The EP-LAN service complies with the same Industry requirements as the EPL services such as MEF, IEEE, IETF, and the ITU. Traffic within a Committed Information Rate ("CIR") profile is sent across Zayo's network in adherence to the Class of Service (CoS) Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding the chosen CIR profile is subject to discard.

#### Product Benefits:

EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.

### 3.2.1.6.b EP-LAN MAE Services and Features

#### **Geographic Availability:**

Zayo's EP-LAN MAE service is available in the geographic areas described on Table 3.2.1.7 MAE Service Geographic Requirements in the SOW Technical Requirements document for Category 3 - MAN Ethernet, which consists of the following cities:

Citrus Heights  
Cotati  
Elk Grove  
Folsom  
Milpitas  
Oakland  
Palo Alto  
Petaluma  
Pleasanton  
Rancho Cordova  
Rohnert Park  
Sacramento  
San Francisco  
San Jose  
San Rafael  
Santa Clara  
Santa Rosa  
Sunnyvale  
West Sacramento

#### **Service Limitations and Restrictions**

Zayo's EP-LAN Metro Area Network Ethernet services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation. Zayo would like to clarify that access is subject to the availability of Zayo facilities. Where facilities are not available, special construction charges may apply. Special construction may not be ordered or billed using the CALNET contracts and must be procured by other means.

**3.2.1.6.b EP-LAN MAE Services and Features**

**Change Charge Applicability:**  
Change Charges apply to modifications of existing services and features. Change Charges do not apply to disconnects.

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
1	EP-LAN MAE Standard CoS	301614	Standard CoS supports data applications with less tolerance for delay than those with least priority. There are service performance parameters associated with this Class of Service.		\$0.00	\$0.00	per circuit	\$0.00	Yes	Required
2	Ethernet Private LAN (EP-LAN) MAE Service	301615	<p>This service shall provide a logical Multipoint-to-Multipoint connection between three (3) or more Customer locations or Customer locations and the Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location as a fully meshed service.</p> <p>An EP-LAN service shall enable Customers to use any VLANs or layer 2 control protocols across the service without coordination with the Contractor.</p>		\$0.00	\$4.20	per circuit	\$0.00	Yes	Required



**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
3	EP-LAN MAE Service Connection 10/100 Mbps	301616	10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.		\$200.00	\$194.75	per circuit	\$200.00	Yes	Required
4	EP-LAN MAE Service Connection 10/100 Mbps with Managed Router	301617	10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.		\$200.00	\$389.50	per circuit	\$200.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
5	EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps)	301618	1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		\$200.00	\$333.13	per circuit	\$200.00	Yes	Required
6	EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301619	1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		\$200.00	\$666.25	per circuit	\$200.00	Yes	Required
7	EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps)	301620	10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		\$1,000.00	\$1,230.00	per circuit	\$1,000.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

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Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
8	EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps) with Managed Router	301621	10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		\$1,000.00	\$3,075.00	per circuit	\$1,000.00	Yes	Required
9	EP-LAN MAE Ethernet Virtual Connection (EVC)	301010	EVC rate element. EVCs shall be assigned in 1 Mbps increments within each port range. Customer may order additional EVCs to establish additional virtual connections over the same physical connections. When additional EVCs are ordered, the Customer must designate the portion of the CIR bandwidth assigned to each EVC.		\$5.00	\$0.00	Each	N/A	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
	EP-LAN MAE CIR (BASIC CoS)		<i>Basic CIR is defined on the Zayo network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).</i>							
10	EP-LAN MAE BASIC CIR - 2 Mbps	301623	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$44.67	per circuit	\$75.00	Yes	Required
11	EP-LAN MAE BASIC CIR - 4 Mbps	301624	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$67.01	per circuit	\$75.00	Yes	Required
12	EP-LAN MAE BASIC CIR - 8 Mbps	301625	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$119.14	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
	<b>EP-LAN MAE CIR (Standard CoS):</b>		<i>Standard CIR is defined on the Zayo network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).</i>							
13	EP-LAN MAE STANDARD CIR - 2 Mbps	301626	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$52.55	per circuit	\$75.00	Yes	Required
14	EP-LAN MAE STANDARD CIR - 4 Mbps	301627	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$78.83	per circuit	\$75.00	Yes	Required
15	EP-LAN MAE STANDARD CIR - 5 Mbps	301628	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$91.10	per circuit	\$75.00	Yes	Required
16	EP-LAN MAE STANDARD CIR - 8 Mbps	301629	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$140.16	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
17	EP-LAN MAE STANDARD CIR - 10 Mbps	301630	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$272.42	per circuit	\$75.00	Yes	Required
18	EP-LAN MAE STANDARD CIR - 20 Mbps	301631	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$381.93	per circuit	\$75.00	Yes	Required
19	EP-LAN MAE STANDARD CIR - 50 Mbps	301632	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$466.02	per circuit	\$75.00	Yes	Required
20	EP-LAN MAE STANDARD CIR - 100 Mbps	301633	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$550.12	per circuit	\$75.00	Yes	Required
21	EP-LAN MAE STANDARD CIR - 150 Mbps	301634	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$350.30	per circuit	\$75.00	Yes	Required
22	EP-LAN MAE STANDARD CIR - 250 Mbps	301635	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$525.59	per circuit	\$75.00	Yes	Required
23	EP-LAN MAE STANDARD CIR - 500 Mbps	301636	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$613.19	per circuit	\$75.00	Yes	Required
24	EP-LAN MAE STANDARD CIR - 600 Mbps	301637	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$656.98	per circuit	\$75.00	Yes	Required
25	EP-LAN MAE STANDARD CIR - 1000 Mbps	301638	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$695.52	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
26	EP-LAN MAE STANDARD CIR - 2000 Mbps	301639	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$818.52	per circuit	\$75.00	Yes	Required
27	EP-LAN MAE STANDARD CIR - 3000 Mbps	301640	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$941.52	per circuit	\$75.00	Yes	Required
28	EP-LAN MAE STANDARD CIR - 4000 Mbps	301641	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,064.52	per circuit	\$75.00	Yes	Required
29	EP-LAN MAE STANDARD CIR - 5000 Mbps	301674	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,187.52	per circuit	\$75.00	Yes	Required
30	EP-LAN MAE STANDARD CIR - 6000 Mbps	301675	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,310.52	per circuit	\$75.00	Yes	Required
31	EP-LAN MAE STANDARD CIR - 7000 Mbps	301676	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,433.52	per circuit	\$75.00	Yes	Required
32	EP-LAN MAE STANDARD CIR - 8000 Mbps	301677	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,556.52	per circuit	\$75.00	Yes	Required
33	EP-LAN MAE STANDARD CIR - 9000 Mbps	301678	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,679.52	per circuit	\$75.00	Yes	Required
34	EP-LAN MAE STANDARD CIR - 10000 Mbps	301679	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,905.02	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
	<b>EP-LAN MAE CIR (PRIORITY CoS:</b>		<i>Priority CIR is defined on the Zayo network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).</i>							
35	EP-LAN MAE PRIORITY CIR - 2 Mbps	301642	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$52.55	per circuit	\$75.00	Yes	Required
36	EP-LAN MAE PRIORITY CIR - 4 Mbps	301643	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$78.83	per circuit	\$75.00	Yes	Required
37	EP-LAN MAE PRIORITY CIR - 5 Mbps	301644	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$91.10	per circuit	\$75.00	Yes	Required
38	EP-LAN MAE PRIORITY CIR - 8 Mbps	301645	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$140.16	per circuit	\$75.00	Yes	Required



**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
39	EP-LAN MAE PRIORITY CIR - 10 Mbps	301646	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$329.36	per circuit	\$75.00	Yes	Required
40	EP-LAN MAE PRIORITY CIR - 20 Mbps	301647	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$449.37	per circuit	\$75.00	Yes	Required
41	EP-LAN MAE PRIORITY CIR - 50 Mbps	301648	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$542.24	per circuit	\$75.00	Yes	Required
42	EP-LAN MAE PRIORITY CIR - 100 Mbps	301649	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$635.08	per circuit	\$75.00	Yes	Required
43	EP-LAN MAE PRIORITY CIR - 150 Mbps	301650	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$437.98	per circuit	\$75.00	Yes	Required
44	EP-LAN MAE PRIORITY CIR - 250 Mbps	301651	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$700.78	per circuit	\$75.00	Yes	Required
45	EP-LAN MAE PRIORITY CIR - 500 Mbps	301652	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$788.38	per circuit	\$75.00	Yes	Required
46	EP-LAN MAE PRIORITY CIR - 600 Mbps	301653	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$810.27	per circuit	\$75.00	Yes	Required
47	EP-LAN MAE PRIORITY CIR - 1000 Mbps	301654	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$826.05	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
48	EP-LAN MAE PRIORITY CIR - 2000 Mbps	301655	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$949.05	per circuit	\$75.00	Yes	Required
49	EP-LAN MAE PRIORITY CIR - 3000 Mbps	301656	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,072.05	per circuit	\$75.00	Yes	Required
50	EP-LAN MAE PRIORITY CIR - 4000 Mbps	301657	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,195.05	per circuit	\$75.00	Yes	Required
51	EP-LAN MAE PRIORITY CIR - 5000 Mbps	301680	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,318.05	per circuit	\$75.00	Yes	Required
52	EP-LAN MAE PRIORITY CIR - 6000 Mbps	301681	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,441.05	per circuit	\$75.00	Yes	Required
53	EP-LAN MAE PRIORITY CIR - 7000 Mbps	301682	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,564.05	per circuit	\$75.00	Yes	Required
54	EP-LAN MAE PRIORITY CIR - 8000 Mbps	301683	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,687.05	per circuit	\$75.00	Yes	Required
55	EP-LAN MAE PRIORITY CIR - 9000 Mbps	301684	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,810.05	per circuit	\$75.00	Yes	Required
56	EP-LAN MAE PRIORITY CIR - 10000 Mbps	301685	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,933.05	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
	<b>EP-LAN MAE CIR (PREMIUM CoS):</b>		<i>Premium CIR is defined on the Zayo network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).</i>							
57	EP-LAN MAE PREMIUM CIR - 2 Mbps	301658	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$55.19	per circuit	\$75.00	Yes	Required
58	EP-LAN MAE PREMIUM CIR - 4 Mbps	301659	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$82.78	per circuit	\$75.00	Yes	Required
59	EP-LAN MAE PREMIUM CIR - 5 Mbps	301660	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$95.66	per circuit	\$75.00	Yes	Required
60	EP-LAN MAE PREMIUM CIR - 8 Mbps	301661	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$147.17	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
61	EP-LAN MAE PREMIUM CIR - 10 Mbps	301662	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$345.84	per circuit	\$75.00	Yes	Required
62	EP-LAN MAE PREMIUM CIR - 20 Mbps	301663	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$471.84	per circuit	\$75.00	Yes	Required
63	EP-LAN MAE PREMIUM CIR - 50 Mbps	301664	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$569.35	per circuit	\$75.00	Yes	Required
64	EP-LAN MAE PREMIUM CIR - 100 Mbps	301665	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$666.83	per circuit	\$75.00	Yes	Required
65	EP-LAN MAE PREMIUM CIR - 150 Mbps	301666	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$459.89	per circuit	\$75.00	Yes	Required
66	EP-LAN MAE PREMIUM CIR - 250 Mbps	301667	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$735.82	per circuit	\$75.00	Yes	Required
67	EP-LAN MAE PREMIUM CIR - 500 Mbps	301668	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$827.80	per circuit	\$75.00	Yes	Required
68	EP-LAN MAE PREMIUM CIR - 600 Mbps	301669	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$850.79	per circuit	\$75.00	Yes	Required
69	EP-LAN MAE PREMIUM CIR - 1000 Mbps	301670	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$867.34	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
70	EP-LAN MAE PREMIUM CIR - 2000 Mbps	301671	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$996.49	per circuit	\$75.00	Yes	Required
71	EP-LAN MAE PREMIUM CIR - 3000 Mbps	301672	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,125.64	per circuit	\$75.00	Yes	Required
72	EP-LAN MAE PREMIUM CIR - 4000 Mbps	301673	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,254.79	per circuit	\$75.00	Yes	Required
73	EP-LAN MAE PREMIUM CIR - 5000 Mbps	301687	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,377.79	per circuit	\$75.00	Yes	Required
74	EP-LAN MAE PREMIUM CIR - 6000 Mbps	301688	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,500.79	per circuit	\$75.00	Yes	Required
75	EP-LAN MAE PREMIUM CIR - 7000 Mbps	301689	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,623.79	per circuit	\$75.00	Yes	Required
76	EP-LAN MAE PREMIUM CIR - 8000 Mbps	301690	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,746.79	per circuit	\$75.00	Yes	Required
77	EP-LAN MAE PREMIUM CIR - 9000 Mbps	301691	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,869.79	per circuit	\$75.00	Yes	Required
78	EP-LAN MAE PREMIUM CIR - 10000 Mbps	301692	The guaranteed average bandwidth of the virtual circuit.		\$75.00	\$1,992.79	per circuit	\$75.00	Yes	Required

**3.2.1.6.b EP-LAN MAE Services and Features**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
79	Wireless backup	301693	Immediate and seamless wireless backup that fails over to a wireless connection in the case of a wireline failure.		\$0.00	\$71.75	Per month	\$75.00	Yes	Required

### 3.4.2 Extended Demarcation Wiring Services

**Contractor's Summary description of service:**

Extended Demarc wiring includes wiring and cable related activities required to extend the service demarcation point to the Customer defined termination location or cross-connect point from the Contractor's Minimum Point of Entry (MPOE).

Extended Demarc wiring shall include all necessary hardware including wire and/or cable, connectors, jumpers, patch panels, minor materials and jacks.

Extended Demarc wiring shall also include all necessary labor required to complete the provisioning of service including installation, testing, trouble shooting, labeling and documentation.

Extended Demarc wiring is limited to the following:

1. Installation of cabling for extending services from the MPOE location to the Customer's point of utilization;
2. Installation of cross-connects or rearrangement of existing jumpers;
3. Identification and testing of existing cabling beyond the MPOE to the Customer's equipment location; or,
4. Testing, trouble shooting, labeling and completing documentation.

**Geographic Availability:**

Zayo will provide Extended Demarcation (Extended Demarc) wiring to support the services covered by this contract for all Customer occupied buildings where services under this Contract are being offered.

**Service Limitations and Restrictions**

Zayo's Extended Demarcation Wiring Services require a no-cost customer consultation regarding specific wiring requirements prior to finalizing a service order and implementation. Zayo would like to clarify that access is subject to the availability of Zayo facilities. Where facilities are not available, special construction charges may apply. Special construction may not be ordered or billed using the CALNET contracts and must be procured by other means.

**Change Charge Applicability:**

N/A

**3.4.2 Extended Demarcation Wiring Services**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
1	Extended Demarcation – Copper four-Pair – Regular Hours	302001	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		\$143.00	N/A	Installation	N/A	No	Required
2	Extended Demarcation – Copper four Pair – Overtime Hours	302002	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		\$170.00	N/A	Installation	N/A	No	Required
3	Extended Demarcation – Copper four Pair – Sunday and Holiday Hours	302003	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		\$170.00	N/A	Installation	N/A	No	Required



**3.4.2 Extended Demarcation Wiring Services**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
4	Extended Demarcation – Copper 25 Pair – Regular Hours	302004	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		\$170.00	N/A	Installation	N/A	No	Required
5	Extended Demarcation – Copper 25 Pair – Overtime Hours	302005	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		\$224.00	N/A	Installation	N/A	No	Required

**3.4.2 Extended Demarcation Wiring Services**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
6	Extended Demarcation – Copper 25 Pair – Sunday and Holiday Hours	302006	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		\$224.00	N/A	Installation	N/A	No	Required
7	Extended Demarcation – Optical Fiber Link – Regular Hours	302007	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$798.80	N/A	Installation	N/A	No	Required

**3.4.2 Extended Demarcation Wiring Services**

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
8	Extended Demarcation – Optical Fiber Link – Overtime Hours	302008	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$850.00	N/A	Installation	N/A	No	Required
9	Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours	302009	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$850.00	N/A	Installation	N/A	No	Required

**3.4.3 Services Related Hourly Support**

**Contractor's Summary description of service:**  
Work performed under this section is authorized only for situations where the Contractor has dispatched personnel to diagnose a service problem that is discovered to be caused by factors outside the responsibility of the Contractor or no trouble is found.

**Geographic Availability:**  
Zayo will provide labor for the diagnosis and/or repair of services covered by this contract for all Customer occupied buildings where services under this Contract are being offered.

**Service Limitations and Restrictions**

**Change Charge Applicability:**  
N/A

A	B	C	D	E	F	G	H	I	J	K
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item	Delegation Needed (Yes/No)	Required or Discretionary
1	Field Service Repair Technician Regular Hours	303001	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	\$135.00	Hour	N/A	No	Required
2	Field Service Repair Technician Overtime Hours	303002	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	\$300.00	Hour	N/A	No	Required

**3.4.3 Services Related Hourly Support**

3	Field Service Repair Technician Sunday and Holiday Hours	303003	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	\$300.00	Hour	N/A	No	Required
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