

IFB C4DNCS19  
Data Networks and Communications Services  
CATEGORY 23 – METROPOLITAN AREA NETWORK ETHERNET

**Crown Castle**

**CATALOG B**

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## Category 23 – METROPOLITAN AREA NETWORK ETHERNET

### 23.2.1.3 Ethernet Virtual Private Line (EVPL) MAE Service

#### Contractor's Description of Service:

**Ethernet Private Line (EPL) MAE Service:** A port-based Product providing dedicated UNIs for point-to-point connections. Supports a single EVC between two (2) UNIs. Dedicated UNIs for point-to-point connections, simple and secure. Interfaces available 1GE, 10GE. Bandwidth options from 10Mbps – 10Gbps.

Crown Castle offers three Classes of Service (CoS): Basic, Priority and Premium. CoS options enable customer to select the CoS that best meets their performance requirements.

CoS enables the customer to differentiate traffic by assigning Bandwidth with various classes of network priority designated by Crown Castle. If the customer elects CoS, (i) Customer's traffic must be marked by Customer in accordance with Crown Castle's available classes of network priority, and (ii) Customer's traffic will be prioritized in accordance with the assigned network priority. If Customer does not elect CoS, Customer's traffic will be treated with the default network priority level.

**Ethernet Virtual Private Line (EVPL) MAE Service:** A flexible, VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI. Interfaces available 1GE, 10GE. Bandwidth options from 10Mbps – 10Gbps. Crown Castle offers three Classes of Service (CoS): Basic, Priority and Premium. CoS options enable customer to select the CoS that best meets their performance requirements.

CoS enables the customer to differentiate traffic by assigning Bandwidth with various classes of network priority designated by Crown Castle. If the customer elects CoS, (i) Customer's traffic must be marked by Customer in accordance with Crown Castle's available classes of network priority, and (ii) Customer's traffic will be prioritized in accordance with the assigned network priority. If Customer does not elect CoS, Customer's traffic will be treated with the default network priority level.

#### Geographic Availability:

Greater Los Angeles, Inland Empire and Orange County, Greater San Diego. Other areas in California may be available.

Service is subject to availability. In cases where service is not available to a specific location, special construction charges may apply. Special construction cannot be ordered using the CALNET contract and must be procured through other methods.

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

**Table 23.2.1.6.a – MAE Services and Features**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	EPL MAE Service Connection 10/100 Mbps	CCF13500	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.		\$ 0.00	\$ 180.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	EPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device	CCF13500-MR	10/100 Mbps Ethernet port per location with managed IP enabled routing device; 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 375.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	CCF13501	1 Gbps Ethernet port per location; Assessed per interface at bandwidths of 1 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.		\$ 0.00	\$ 234.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
4	EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device	CCF13501-MR	1 Gbps Ethernet port per location, with managed IP enabled routing device; Assessed per interface at bandwidths of 1 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 429.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
5	EPL MAE Service Connection Gigabit Ethernet (10 GE)	CCF13502	10 Gbps 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.		\$ 0.00	\$ 780.00	Each	Yes	Yes	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	EPL MAE Service Connection Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device	CCF13502-MR	10 Gbps Ethernet port per location, with managed IP enabled routing device; 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 975.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
7	EVPL MAE Service Connection 10/100 Mbps	CCF13503	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.		\$ 0.00	\$ 180.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
8	EVPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device	CCF13503-MR	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T) with managed IP enabled routing device. 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 375.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
9	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	CCF13504	Assessed per interface at bandwidths of 1 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.		\$ 0.00	\$ 234.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
10	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device	CCF13504-MR	Assessed per interface at bandwidths of 1 Gbps Ethernet with managed IP Enabled routing device. 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 429.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
11	EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE)	CCF13505	Assessed per interface at bandwidths of 10 GE. 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.		\$ 0.00	\$ 780.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device	CCF13505-MR	Assessed per interface at bandwidths of 10 GE with managed IP Enabled routing device. 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.	BGP or static routing; customer is responsible for providing space and power.	\$ 200.00	\$ 975.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
13	Additional MAE MAC Addresses (51-100)	CCF-MAC51-100	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 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.	There is a limit of 1024 MAC addresses that can be sent over any given EVC, E-NNI port or UNI port.	\$ 0.00	\$0.00	Each	Yes	Yes	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
14	Ethernet Virtual Connection (EVC) MAE	CCF1EVC	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.	Crown Castle Fiber can support VLAN tagged and untagged frames on the same EVC (QnQ). Crown Castle Fiber supports a maximum of 4096 Customer VLAN IDs per EVC. Customers can configure their own VLANs on their customer-owned CPE without coordination with CCF.	\$ 0.00	\$ 50.00	Each	Yes	Yes	Required

**Table 23.2.1.6.b – CIR Basic Class of Service MAE**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	BASIC CIR MAE - 2 Mbps	CCF130252	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 136.00	Each	Yes	Yes	Required
2	BASIC CIR MAE - 4 Mbps	CCF130254	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 136.00	Each	Yes	Yes	Required
3	BASIC CIR MAE - 5 Mbps	CCF13025	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 136.00	Each	Yes	Yes	Required
4	BASIC CIR MAE - 8 Mbps	CCF130268	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 136.00	Each	Yes	Yes	Required
5	BASIC CIR MAE - 10 Mbps	CCF13026	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 136.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	BASIC CIR MAE - 20 Mbps	CCF13027	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 156.00	Each	Yes	Yes	Required
7	BASIC CIR MAE - 50 Mbps	CCF13030	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 208.00	Each	Yes	Yes	Required
8	BASIC CIR MAE - 100 Mbps	CCF13031	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 220.00	Each	Yes	Yes	Required
9	BASIC CIR MAE - 150 Mbps	CCF13032	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 276.00	Each	Yes	Yes	Required
10	BASIC CIR MAE - 200 Mbps	CCF13033	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 330.00	Each	Yes	Yes	Required
11	BASIC CIR MAE - 250 Mbps	CCF13034-250	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 422.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	BASIC CIR MAE - 400 Mbps	CCF13035	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 514.00	Each	Yes	Yes	Required
13	BASIC CIR MAE - 500 Mbps	CCF13036	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 588.00	Each	Yes	Yes	Required
14	BASIC CIR MAE - 600 Mbps	CCF13037	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 648.00	Each	Yes	Yes	Required
15	BASIC CIR MAE - 1 Gbps	CCF13041	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 832.00	Each	Yes	Yes	Required
16	BASIC CIR MAE - 10 Gbps	CCF130410	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 2,596.00	Each	Yes	Yes	Required

**Table 23.2.1.6.c – CIR Priority Class of Service MAE**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	PRIORITY CIR MAE - 2 Mbps	CCF130422	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 152.00	Each	Yes	Yes	Required
2	PRIORITY CIR MAE - 4 Mbps	CCF130424	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 152.00	Each	Yes	Yes	Required
3	PRIORITY CIR MAE - 5 Mbps	CCF13042	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 152.00	Each	Yes	Yes	Required
4	PRIORITY CIR MAE - 8 Mbps	CCF130438	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 152.00	Each	Yes	Yes	Required
5	PRIORITY CIR MAE - 10 Mbps	CCF13043	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 152.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	PRIORITY CIR MAE - 20 Mbps	CCF13044	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 172.00	Each	Yes	Yes	Required
7	PRIORITY CIR MAE - 50 Mbps	CCF13047	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 228.00	Each	Yes	Yes	Required
8	PRIORITY CIR MAE - 100 Mbps	CCF13048	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 244.00	Each	Yes	Yes	Required
9	PRIORITY CIR MAE - 150 Mbps	CCF13049	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 302.00	Each	Yes	Yes	Required
10	PRIORITY CIR MAE - 200 Mbps	CCF13050	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 358.00	Each	Yes	Yes	Required
11	PRIORITY CIR MAE - 250 Mbps	CCF13051-250	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 456.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	PRIORITY CIR MAE - 400 Mbps	CCF13052	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 552.00	Each	Yes	Yes	Required
13	PRIORITY CIR MAE - 500 Mbps	CCF13053	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 628.00	Each	Yes	Yes	Required
14	PRIORITY CIR MAE - 600 Mbps	CCF13054	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 692.00	Each	Yes	Yes	Required
15	PRIORITY CIR - MAE 1 Gbps	CCF13058	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 884.00	Each	Yes	Yes	Required
16	PRIORITY CIR - MAE 10 Gbps	CCF130580	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 2,934.00	Each	Yes	Yes	Required

**Table 23.2.1.6.d – CIR Premium Class of Service MAE**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	PREMIUM CIR MAE - 2 Mbps	CCF130762	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 186.00	Each	Yes	Yes	Required
2	PREMIUM CIR MAE - 4 Mbps	CCF130764	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 186.00	Each	Yes	Yes	Required
3	PREMIUM CIR MAE - 5 Mbps	CCF13076	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 186.00	Each	Yes	Yes	Required
4	PREMIUM CIR MAE - 8 Mbps	CCF130778	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 186.00	Each	Yes	Yes	Required
5	PREMIUM CIR MAE - 10 Mbps	CCF13077	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 186.00	Each	Yes	Yes	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	PREMIUM CIR MAE - 20 Mbps	CCF13078	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 208.00	Each	Yes	Yes	Required
7	PREMIUM CIR MAE - 50 Mbps	CCF13081	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 270.00	Each	Yes	Yes	Required
8	PREMIUM CIR MAE - 100 Mbps	CCF13082	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 292.00	Each	Yes	Yes	Required
9	PREMIUM CIR MAE - 150 Mbps	CCF13083	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 356.00	Each	Yes	Yes	Required
10	PREMIUM CIR MAE - 200Mbps	CCF13084	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 420.00	Each	Yes	Yes	Required
11	PREMIUM CIR MAE - 250 Mbps	CCF13085-250	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 526.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
12	PREMIUM CIR MAE - 400 Mbps	CCF13086	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 632.00	Each	Yes	Yes	Required
13	PREMIUM CIR MAE - 500 Mbps	CCF13087	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 716.00	Each	Yes	Yes	Required
14	PREMIUM CIR MAE - 600 Mbps	CCF13088	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 788.00	Each	Yes	Yes	Required
15	PREMIUM CIR MAE - 1 Gbps	CCF13092	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 1,000.00	Each	Yes	Yes	Required
16	PREMIUM CIR MAE - 10 Gbps	CCF130920	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 3,420.00	Each	Yes	Yes	Required

### 23.2.1.6.4 Additional MAE Services and Features

#### Contractor's Description of Service:

[Type Description Here]

#### Geographic Availability:

Greater Los Angeles, Inland Empire and Orange County, Greater San Diego. Other areas in California may be available.

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

**Table 23.2.1.6.4 – Additional MAE Services and Features**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	BASIC CIR MAE - 300 Mbps	CCF13034-300	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 422.00	Each	Yes	Yes	Required
2	BASIC CIR MAE - 700 Mbps	CCF13038	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 698.00	Each	Yes	Yes	Required
3	BASIC CIR MAE - 800 Mbps	CCF13039	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 746.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
4	BASIC CIR MAE - 900 Mbps	CCF13040	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 794.00	Each	Yes	Yes	Required
5	BASIC CIR MAE - 2000 Mbps	CCF13241	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$1,468.00	Each	Yes	Yes	Required
6	BASIC CIR MAE - 3000 Mbps	CCF13342	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$1,609.00	Each	Yes	Yes	Required
7	BASIC CIR MAE - 4000 Mbps	CCF13443	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$1,750.00	Each	Yes	Yes	Required
8	BASIC CIR MAE - 5000 Mbps	CCF13544	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$1,890.00	Each	Yes	Yes	Required
9	BASIC CIR MAE - 6000 Mbps	CCF13645	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$2,031.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
10	BASIC CIR MAE - 7000 Mbps	CCF13746	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$2,172.00	Each	Yes	Yes	Required
11	BASIC CIR MAE - 8000 Mbps	CCF13847	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$2,314.00	Each	Yes	Yes	Required
12	BASIC CIR MAE - 9000 Mbps	CCF13948	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$2,455.00	Each	Yes	Yes	Required
13	E-Line Business Priority EVC (PRIORITY CIR MAE) 300Mbps Prem	CCF13051-300	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 456.00	Each	Yes	Yes	Required
14	E-Line Business Priority EVC (PRIORITY CIR MAE) 700Mbps Prem	CCF13055	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 744.00	Each	Yes	Yes	Required
15	E-Line Business Priority EVC (PRIORITY CIR MAE) 800Mbps Prem	CCF13056	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 796.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
16	E-Line Business Priority EVC (PRIORITY CIR MAE) 900Mbs Prem	CCF13057	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 846.00	Each	Yes	Yes	Required
17	E-Line Mission Critical EVC (PREMIUM CIR MAE) 300Mbs Prem	CCF13085-300	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 526.00	Each	Yes	Yes	Required
18	E-Line Mission Critical EVC (PREMIUM CIR MAE) 700Mbs Prem	CCF13089	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 844.00	Each	Yes	Yes	Required
19	E-Line Mission Critical EVC (PREMIUM CIR MAE) 800Mbs Prem	CCF13090	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 900.00	Each	Yes	Yes	Required
20	E-Line Mission Critical EVC (PREMIUM CIR MAE) 900Mbs Prem	CCF13091	The guaranteed average bandwidth of the virtual circuit.		\$ 0.00	\$ 958.00	Each	Yes	Yes	Required
21	EVPL Standard EVC 5Mbs	CCF13299	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 330.00	Each	Yes	Yes	Required

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22	EVPL Standard EVC 10Mbps	CCF13300	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 330.00	Each	Yes	Yes	Required
23	EVPL Standard EVC 20Mbps	CCF13301	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 377.00	Each	Yes	Yes	Required
24	EVPL Standard EVC 30Mbps	CCF13302	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 415.00	Each	Yes	Yes	Required
25	EVPL Standard EVC 40Mbps Prem	CCF13303	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 454.00	Each	Yes	Yes	Required
26	EVPL Standard EVC 50Mbps Prem	CCF13304	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 484.00	Each	Yes	Yes	Required
27	EVPL Standard EVC 100Mbps Prem	CCF13305	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 532.00	Each	Yes	Yes	Required

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28	EVPL Standard EVC 150Mbps Prem	CCF13306	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 616.00	Each	Yes	Yes	Required
29	EVPL Standard EVC 200Mbps Prem	CCF13307	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 670.00	Each	Yes	Yes	Required
30	EVPL Standard EVC 300Mbps Prem	CCF13308	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 785.00	Each	Yes	Yes	Required
31	EVPL Standard EVC 400Mbps Prem	CCF13309	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 900.00	Each	Yes	Yes	Required
32	EVPL Standard EVC 500Mbps Prem	CCF13310	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 993.00	Each	Yes	Yes	Required
33	EVPL Standard EVC 600Mbps Prem	CCF13311	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,070.00	Each	Yes	Yes	Required



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34	EVPL Standard EVC 700Mbps Prem	CCF13312	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,131.00	Each	Yes	Yes	Required
35	EVPL Standard EVC 800Mbps Prem	CCF13313	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,192.00	Each	Yes	Yes	Required
36	EVPL Standard EVC 900Mbps Prem	CCF13314	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,254.00	Each	Yes	Yes	Required
37	EVPL Standard EVC 1000Mbps	CCF13315	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,298.00	Each	Yes	Yes	Required
38	EVPL Standard EVC 2G	CCF133152			\$ 0.00	\$1,363.00	Each	Yes	Yes	Required
39	EVPL Standard EVC 3G	CCF133153			\$ 0.00	\$1,431.00	Each	Yes	Yes	Required
40	EVPL Standard EVC 4G	CCF133154			\$ 0.00	\$1,503.00	Each	Yes	Yes	Required
41	EVPL Standard EVC 5G	CCF133155			\$ 0.00	\$1,578.00	Each	Yes	Yes	Required
42	EVPL Standard EVC 6G	CCF133156			\$ 0.00	\$1,657.00	Each	Yes	Yes	Required

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43	EVPL Standard EVC 7G	CCF133157			\$ 0.00	\$1,739.00	Each	Yes	Yes	Required
44	EVPL Standard EVC 8G	CCF133158			\$ 0.00	\$1,826.00	Each	Yes	Yes	Required
45	EVPL Standard EVC 9G	CCF133159			\$ 0.00	\$ 1,918.00	Each	Yes	Yes	Required
46	EVPL Standard EVC 10G	CCF133110			\$ 0.00	\$ 2,014.00	Each	Yes	Yes	Required
47	EVPL Business Priority EVC 5Mbs	CCF13316	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 356.00	Each	Yes	Yes	Required
48	EVPL Business Priority EVC 10Mbs	CCF13317	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 356.00	Each	Yes	Yes	Required
49	EVPL Business Priority EVC 20Mbs	CCF13318	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 405.00	Each	Yes	Yes	Required
50	EVPL Business Priority EVC 30Mbs	CCF13319	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 445.00	Each	Yes	Yes	Required

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51	EVPL Business Priority EVC 40Mbps	CCF13320	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 485.00	Each	Yes	Yes	Required
52	EVPL Business Priority EVC 50Mbps	CCF13321	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 517.00	Each	Yes	Yes	Required
53	EVPL Business Priority EVC 100Mbps	CCF13322	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 570.00	Each	Yes	Yes	Required
54	EVPL Business Priority EVC 150Mbps	CCF13323	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 658.00	Each	Yes	Yes	Required
55	EVPL Business Priority EVC 200Mbps	CCF13324	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 715.00	Each	Yes	Yes	Required
56	EVPL Business Priority EVC 300Mbps	CCF13325	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 836.00	Each	Yes	Yes	Required

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57	EVPL Business Priority EVC 400Mbs	CCF13326	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 957.00	Each	Yes	Yes	Required
58	EVPL Business Priority EVC 500Mbs	CCF13327	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,055.00	Each	Yes	Yes	Required
59	EVPL Business Priority EVC 600Mbs	CCF13328	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,135.00	Each	Yes	Yes	Required
60	EVPL Business Priority EVC 700Mbs	CCF13329	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,199.00	Each	Yes	Yes	Required
61	EVPL Business Priority EVC 800Mbs	CCF13330	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,263.00	Each	Yes	Yes	Required
62	EVPL Business Priority EVC 900Mbs	CCF13331	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,328.00	Each	Yes	Yes	Required

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63	EVPL Business Priority EVC 1000Mbs	CCF13332	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,316.00	Each	Yes	Yes	Required
64	EVPL Mission Critical EVC 5Mbs	CCF13350	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 411.00	Each	Yes	Yes	Required
65	EVPL Mission Critical EVC 10Mbs	CCF13351	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 411.00	Each	Yes	Yes	Required
66	EVPL Mission Critical EVC 20Mbs	CCF13352	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 465.00	Each	Yes	Yes	Required
67	EVPL Mission Critical EVC 30Mbs	CCF13353	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 509.00	Each	Yes	Yes	Required
68	EVPL Mission Critical EVC 40Mbs	CCF13354	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 553.00	Each	Yes	Yes	Required

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69	EVPL Mission Critical EVC 50Mbps	CCF13355	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 589.00	Each	Yes	Yes	Required
70	EVPL Mission Critical EVC 100Mbps	CCF13356	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 654.00	Each	Yes	Yes	Required
71	EVPL Mission Critical EVC 150Mbps	CCF13357	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 750.00	Each	Yes	Yes	Required
72	EVPL Mission Critical EVC 200Mbps	CCF13358	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 812.00	Each	Yes	Yes	Required
73	EVPL Mission Critical EVC 300Mbps	CCF13359	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$ 946.00	Each	Yes	Yes	Required
74	EVPL Mission Critical EVC 400Mbps	CCF13360	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,079.00	Each	Yes	Yes	Required

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75	EVPL Mission Critical EVC 500Mbs	CCF13361	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,187.00	Each	Yes	Yes	Required
76	EVPL Mission Critical EVC 600Mbs	CCF13362	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,276.00	Each	Yes	Yes	Required
77	EVPL Mission Critical EVC 700Mbs	CCF13363	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,346.00	Each	Yes	Yes	Required
78	EVPL Mission Critical EVC 800Mbs	CCF13364	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,416.00	Each	Yes	Yes	Required
79	EVPL Mission Critical EVC 900Mbs	CCF13365	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,489.00	Each	Yes	Yes	Required
80	EVPL Mission Critical EVC 1000Mbs	CCF13366	The guaranteed average bandwidth of the virtual circuit.	VLAN based Product providing multiplexed UNIs allowing multiple EVCs per UNI.	\$ 0.00	\$1,462.00	Each	Yes	Yes	Required

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81	E-LAN Standard EVC 5Mbps	CCF13162	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 352.00	Each	Yes	Yes	Required
82	E-LAN Standard EVC 10Mbps	CCF13163	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 397.00	Each	Yes	Yes	Required
83	E-LAN Standard EVC 20Mbps	CCF13164	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 433.00	Each	Yes	Yes	Required



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84	E-LAN Standard EVC 30Mbps	CCF13165	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 468.00	Each	Yes	Yes	Required
85	E-LAN Standard EVC 40Mbps	CCF13166	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 504.00	Each	Yes	Yes	Required
86	E-LAN Standard EVC 50Mbps	CCF13167	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 531.00	Each	Yes	Yes	Required

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87	E-LAN Standard EVC 100Mbps	CCF13168	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 596.00	Each	Yes	Yes	Required
88	E-LAN Standard EVC 150Mbps	CCF13169	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 697.00	Each	Yes	Yes	Required
89	E-LAN Standard EVC 200Mbps	CCF13170	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 797.00	Each	Yes	Yes	Required

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90	E-LAN Standard EVC 300Mbps	CCF13171	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 826.00	Each	Yes	Yes	Required
91	E-LAN Standard EVC 400Mbps	CCF13172	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 932.00	Each	Yes	Yes	Required
92	E-LAN Standard EVC 500Mbps	CCF13173	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 991.00	Each	Yes	Yes	Required

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93	E-LAN Standard EVC 600Mbps	CCF13174	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,052.00	Each	Yes	Yes	Required
94	E-LAN Standard EVC 700Mbps	CCF13175	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,116.00	Each	Yes	Yes	Required
95	E-LAN Standard EVC 800Mbps	CCF13176	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,157.00	Each	Yes	Yes	Required

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96	E-LAN Standard EVC 900Mbps	CCF13177	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,199.00	Each	Yes	Yes	Required
97	E-LAN Standard EVC 1000Mbps	CCF13178	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,242.00	Each	Yes	Yes	Required
98	E-LAN Standard EVC 2G	CCF131782			\$ 0.00	\$1,304.00	Each	Yes	Yes	Required
99	E-LAN Standard EVC 3G	CCF131783			\$ 0.00	\$1,369.00	Each	Yes	Yes	Required
100	E-LAN Standard EVC 4G	CCF131784			\$ 0.00	\$1,438.00	Each	Yes	Yes	Required
101	E-LAN Standard EVC 5G	CCF131785			\$ 0.00	\$1,510.00	Each	Yes	Yes	Required
102	E-LAN Standard EVC 6G	CCF131786			\$ 0.00	\$ 1,585.00	Each	Yes	Yes	Required

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103	E-LAN Standard EVC 7G	CCF131787			\$ 0.00	\$ 1,664.00	Each	Yes	Yes	Required
104	E-LAN Standard EVC 8G	CCF131788			\$ 0.00	\$ 1,748.00	Each	Yes	Yes	Required
105	E-LAN Standard EVC 9G	CCF131789			\$ 0.00	\$ 1,835.00	Each	Yes	Yes	Required
106	E-LAN Standard EVC 10G	CCF131710			\$ 0.00	\$ 1,927.00	Each	Yes	Yes	Required
107	E-LAN Business Priority EVC 5Mbps	CCF13179	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 378.00	Each	Yes	Yes	Required
108	E-LAN Business Priority EVC 10Mbps	CCF13180	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 426.00	Each	Yes	Yes	Required

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109	E-LAN Business Priority EVC 20Mbps	CCF13181	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 464.00	Each	Yes	Yes	Required
110	E-LAN Business Priority EVC 30Mbps	CCF13182	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 500.00	Each	Yes	Yes	Required
111	E-LAN Business Priority EVC 40Mbps	CCF13183	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 538.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
112	E-LAN Business Priority EVC 50Mbps	CCF13184	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 566.00	Each	Yes	Yes	Required
113	E-LAN Business Priority EVC 100Mbps	CCF13185	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 638.00	Each	Yes	Yes	Required
114	E-LAN Business Priority EVC 150Mbps	CCF13186	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 744.00	Each	Yes	Yes	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
115	E-LAN Business Priority EVC 200Mbs	CCF13187	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 848.00	Each	Yes	Yes	Required
116	E-LAN Business Priority EVC 300Mbs	CCF13188	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 880.00	Each	Yes	Yes	Required
117	E-LAN Business Priority EVC 400Mbs	CCF13189	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 990.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
118	E-LAN Business Priority EVC 500Mbs	CCF13190	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,052.00	Each	Yes	Yes	Required
119	E-LAN Business Priority EVC 600Mbs	CCF13191	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,116.00	Each	Yes	Yes	Required
120	E-LAN Business Priority EVC 700Mbs	CCF13192	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,184.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
121	E-LAN Business Priority EVC 800Mbs	CCF13193	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,226.00	Each	Yes	Yes	Required
122	E-LAN Business Priority EVC 900Mbs	CCF13194	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,270.00	Each	Yes	Yes	Required
123	E-LAN Business Priority EVC 1000Mbps	CCF13195	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,316.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
124	E-LAN Mission Critical EVC 5Mbps	CCF13213	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 432.00	Each	Yes	Yes	Required
125	E-LAN Mission Critical EVC 10Mbps	CCF13214	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 484.00	Each	Yes	Yes	Required
126	E-LAN Mission Critical EVC 20Mbps	CCF13215	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 524.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
127	E-LAN Mission Critical EVC 30Mbps	CCF13216	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 566.00	Each	Yes	Yes	Required
128	E-LAN Mission Critical EVC 40Mbps	CCF13217	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 606.00	Each	Yes	Yes	Required
129	E-LAN Mission Critical EVC 50Mbps	CCF13218	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 638.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
130	E-LAN Mission Critical EVC 100Mbs	CCF13219	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 722.00	Each	Yes	Yes	Required
131	E-LAN Mission Critical EVC 150Mbs	CCF13220	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 836.00	Each	Yes	Yes	Required
132	E-LAN Mission Critical EVC 200Mbs	CCF13221	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 952.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
133	E-LAN Mission Critical EVC 300Mbs	CCF13222	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$ 986.00	Each	Yes	Yes	Required
134	E-LAN Mission Critical EVC 400Mbs	CCF13223	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,108.00	Each	Yes	Yes	Required
135	E-LAN Mission Critical EVC 500Mbs	CCF13224	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,174.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
136	E-LAN Mission Critical EVC 600Mbs	CCF13225	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,244.00	Each	Yes	Yes	Required
137	E-LAN Mission Critical EVC 700Mbs	CCF13226	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,318.00	Each	Yes	Yes	Required
138	E-LAN Mission Critical EVC 800Mbs	CCF13227	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,366.00	Each	Yes	Yes	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
139	E-LAN Mission Critical EVC 900Mbs	CCF13228	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,414.00	Each	Yes	Yes	Required
140	E-LAN Mission Critical EVC 1000Mbps	CCF13229	The guaranteed average bandwidth of the virtual circuit.	VLAN based meshed Product providing any-to-any communication with dedicated or service-multiplexed UNIs. E-LAN Supports transparent LAN and multipoint Layer 2 VPNs. Crown Castle recommends limiting the number of VLAN Nodes to 25 or fewer.	\$ 0.00	\$1,462.00	Each	Yes	Yes	Required
141	Metro-E Advanced Private Line 1Gbps	CCF13012		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$1,931.00	Each	Yes	Yes	Required
142	Metro-E Advanced Private Line 2Gbps	CCF13013		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$2,153.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
143	Metro-E Advanced Private Line 3Gbps	CCF13014		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$2,376.00	Each	Yes	Yes	Required
144	Metro-E Advanced Private Line 4Gbps	CCF13015		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$2,599.00	Each	Yes	Yes	Required
145	Metro-E Advanced Private Line 5Gbps	CCF13016		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$2,821.00	Each	Yes	Yes	Required
146	Metro-E Advanced Private Line 6Gbps	CCF13017		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$3,044.00	Each	Yes	Yes	Required
147	Metro-E Advanced Private Line 7Gbps	CCF13018		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$3,267.00	Each	Yes	Yes	Required
148	Metro-E Advanced Private Line 8Gbps	CCF13019		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$3,490.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
149	Metro-E Advanced Private Line 9Gbps	CCF13020		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$3,713.00	Each	Yes	Yes	Required
150	Metro-E Advanced Private Line 10Gbps	CCF13021		Private Ethernet delivered over dedicated fiber with switches deployed at each end-user location across a metro area.	\$ 0.00	\$3,935.00	Each	Yes	Yes	Required
151	Protected 1Gbps EPL Over DWDM - Prem Node	CCF11006		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 1,708.00	Each	Yes	Yes	Required
152	Protected 10Gbps EPL Over DWDM - Prem Node	CCF11007		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 3,078.00	Each	Yes	Yes	Required
153	Protected 40Gbps EPL Over DWDM - Prem Node	CCF11008		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 5,833.00	Each	Yes	Yes	Required
154	Protected 100Gbps EPL Over DWDM - Prem Node	CCF11009		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 13,551.00	Each	Yes	Yes	Required
155	Unprotected 1Gbps EPL Over DWDM - Prem Node	CCF11011		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 657.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
156	Unprotected 10Gbps EPL Over DWDM - Prem Node	CCF11012		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 1,150.00	Each	Yes	Yes	Required
157	Unprotected 40Gbps EPL Over DWDM - Prem Node	CCF11013		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 3,889.00	Each	Yes	Yes	Required
158	Unprotected 100Gbps EPL Over DWDM - Prem Node	CCF11014		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 9,034.00	Each	Yes	Yes	Required
159	Protected 1Gbps EPL Over DWDM - POP Node	CCF11016		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 1,622.00	Each	Yes	Yes	Required
160	Protected 10Gbps EPL Over DWDM - POP Node	CCF11017		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 2,924.00	Each	Yes	Yes	Required
161	Protected 40Gbps EPL Over DWDM - POP Node	CCF11018		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 5,542.00	Each	Yes	Yes	Required
162	Protected 100Gbps EPL Over DWDM - POP Node	CCF11019		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 12,873.00	Each	Yes	Yes	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
163	Unprotected 1Gbps EPL Over DWDM - POP Node	CCF11021		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 562.00	Each	Yes	Yes	Required
164	Unprotected 10Gbps EPL Over DWDM - POP Node	CCF11022		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 984.00	Each	Yes	Yes	Required
165	Unprotected 40Gbps EPL Over DWDM - POP Node	CCF11023		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 2,990.00	Each	Yes	Yes	Required
166	Unprotected 100Gbps EPL Over DWDM - POP Node	CCF11024		Ethernet Private Line (EPL) over DWDM. Service assumes an Ethernet or Fiber Channel handoff	\$ 0.00	\$ 7,679.00	Each	Yes	Yes	Required

### 23.4.2.1 Extended Demarcation Wiring Services

#### Contractor's Description of Service:

Includes wiring and cable related tasks required to extend the service from the Contractor's minimum point of entry (MPOE) to the Customer defined termination point.

#### Geographic Availability:

Greater Los Angeles, Inland Empire and Orange County, Greater San Diego. Other areas in California may be available.

Subject to availability.

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

**Table 23.4.2.1 – Extended Demarcation Wiring Services**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	Extended Demarcation - Copper – Regular Hours	CCF19504-CP	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$ 150.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	Extended Demarcation - Copper – Overtime Hours	CCF19505-CP	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$ 187.00	N/A	Installation	No	No	Required
3	Extended Demarcation - Copper – Sunday and Holiday Hours	CCF19506-CP	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet of four-pair cable and an RJ48 or equivalent jack.		\$ 235.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
4	Extended Demarcation - Copper 25 Pair – Regular Hours	CCF19504-CP25	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 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.		\$ 900.00	N/A	Installation	No	No	Required



#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
5	Extended Demarcation - Copper 25 Pair – Overtime Hours	CCF19505-CP25	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 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.		\$ 1,125.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
6	Extended Demarcation - Copper 25 Pair – Sunday and Holiday Hours	CCF19506-CP25	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment. Includes 300 feet or less of Category 5 25-pair CMP cable, one patch panel and mounting hardware. Ten Category 5e, three meter jumpers; one 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.		\$ 1,425.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
7	Extended Demarcation - Optical Fiber Link – Regular Hours	CCF19504	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/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 SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$ 1,000.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
8	Extended Demarcation - Optical Fiber Link – Overtime Hours	CCF19505	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/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 SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$ 1,050.00	N/A	Installation	No	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
9	Extended Demarcation - Optical Fiber Link – Sunday and Holiday Hours	CCF19506	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a fiber trunk or trunking equipment, Strand count required to provision one/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 SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		\$ 1,050.00	N/A	Installation	No	No	Required

### 23.4.3 Services Related Hourly Support

#### Contractor's Description of Service:

Hourly Labor for a dispatched field technician to diagnose and/or repair a service impacting issue outside of the scope of Contractor responsibility or in cases where a dispatch occurred, and no trouble is found. Any costs for the repair are the sole responsibility of the Customer and shall be agreed to by the Customer prior to the repair.

#### Geographic Availability:

Greater Los Angeles, Inland Empire and Orange County, Greater San Diego. Other areas in California may be available.

State Associated Administrative Fee Charge - Services identified below with "Yes" in the SAAF Applied column will have a 2.5% fee applied to the Monthly Recurring Charge or usage. Charges below do not include the SAAF. The SAAF will appear as a separate line on the customer's invoice.

**Table 23.4.3.3 – Services Related Hourly Support**

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
1	Field Service Repair Technician Regular Hours	CCF19501	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$ 200.00	N/A	Hour	Yes	No	Required

#	Feature Name	Contractor's Product ID	Feature Description	Contractor's Description, Restrictions and Limitations	Non-Recurring Charge Per Item	Monthly Recurring Charge/Item per Unit	Unit of Measure	SAAF Applied (Yes/No)	Delegation Needed (Yes/No)	Required or Discretionary
2	Field Service Repair Technician Overtime Hours	CCF19502	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$ 300.00	N/A	Hour	Yes	No	Required
3	Field Service Repair Technician Sunday and Holiday Hours	CCF19503	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.		\$ 400.00	N/A	Hour	Yes	No	Required