

3.2.1.6 MAE Services and Features

Contractor’s Summary Description of Service: Cox Metro Ethernet supports the EPL and EVPL service types as defined by the Metro Ethernet Forum. The EPL service type can be used to construct point-to-point (P2P) and point-to-multipoint (P2MP) connectivity solutions. The EVPL service type can be used to construct multipoint-to-multipoint (MP2MP) solutions. Cox Business Metro Ethernet (CME) is compliant with the current Ethernet standard (IEEE 802.3-2005), and support other related standards, such as IEEE 802.1D-2004 (MAC Bridges), IEEE 802.1Q-2005 (VLAN Bridges), etc. Metro Ethernet supports a variety of copper and fiber Ethernet interfaces, including 10BASE-T, 100BASE-TX, 1000BASE-T, 1000BASE-LX/SX and 10GBASE-LR/SR/ZR, depending on the customer location.

Geographic Availability:

Aliso Viejo	Carlsbad	Carpinteria	Chula Vista	Dana Point	El Cajon
Encinitas	Escondido	Goleta	Imperial Beach	Irvine	La Mesa
Laguna Beach	Laguna Hills	Laguna Niguel	Laguna Woods	Lake Forest	Lemon Grove
Mission Viejo	National City	Newport Beach	Oceanside	Orange	Palos Verdes Estates
Poway	Rancho Palos Verdes	Rancho Santa Margarita	Rolling Hills	Rolling Hills Estates	San Clemente
San Diego	San Juan Capistrano	San Marcos	Santa Barbara	Santee	Solana Beach
Tustin	Vista	Alpine	Camp Pendleton	Jamul	Lakeside
Ramona	Rancho San Diego	Rancho Santa Fe	Capistrano Beach	Montecito	Pine Valley

Service Limitations and Restrictions: Cox Business will provide up to 100 EVCs per UNI as required. Access is subject to availability of 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.

General Service Limitations:

- There is no option to temporarily suspend service
- Service may not be available where facilities do not exist, even if previously available in the same area or location.
- The service is only offered within Cox territory, either in-franchise or via designated out-of-franchise exchanges and/or via meetpoint with other providers.
- Regular rules and policies pertaining to service demarcation shall apply.

Change Charge Applicability: No change charges apply.

3.2.1.6 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	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	UNI10/100	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	\$25.63	Each	\$0	Yes	Required
2	EPL MAE Service Connection 10/100 Mbps with Managed Router	UNI10/100-MRS	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.		\$0	\$159.90	Each	\$0	Yes	Required
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	UNI1000	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.		\$0	\$76.88	Each	\$0	Yes	Required

3.2.1.6 MAE Services and Features										
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Line Item #	Feature Name	Contractor's Product Identifier	Feature Description	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	UNI1000-MRS	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.		\$0	\$512.50	Each	\$0	Yes	Required
5	EVPL MAE Service Connection 10/100 Mbps	UNI10/100	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	\$25.63	Each	\$0	Yes	Required
6	EVPL MAE Service Connection 10/100 Mbps with Managed Router	UNI10/100-MRS	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.		\$0	\$159.90	Each	\$0	Yes	Required

3.2.1.6 MAE Services and Features										
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Line Item #	Feature Name	Contractor's Product Identifier	Feature Description	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
7	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	UNI1000	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.		\$0	\$76.88	Each	\$0	Yes	Required
8	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	UNI1000-MRS	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.		\$0	\$512.50	Each	\$0	Yes	Required
9	Additional MAE MAC Addresses (51-100)	N/A	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.		\$0	\$0	Each	N/A	Yes	Required

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Line Item #	Feature Name	Contractor's Product Identifier	Feature Description	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
10	Ethernet Virtual Connection (EVC) MAE	See below.	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.		\$0	\$0	Each	N/A	Yes	Required
11 CIR (Basic CoS MAE)										
11a	BASIC CIR - 2 Mbps	EVC2MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$219.35	Each	N/A	Yes	Required
11b	BASIC CIR MAE - 4 Mbps	EVC4MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$228.58	Each	N/A	Yes	Required
11c	BASIC CIR MAE - 8 Mbps	EVC8MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$241.90	Each	N/A	Yes	Required
12 CIR (Priority CoS)										
12a	PRIORITY CIR MAE - 2 Mbps	EVCPR2M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$219.35	Each	N/A	Yes	Required
12b	PRIORITY CIR MAE - 4 Mbps	EVCPR4M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$228.58	Each	N/A	Yes	Required
12c	PRIORITY CIR MAE - 5 Mbps	EVCPR5M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$232.68	Each	N/A	Yes	Required

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Line Item #	Feature Name	Contractor's Product Identifier	Feature Description	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
12d	PRIORITY CIR MAE -8 Mbps	EVCPR8M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$241.90	Each	N/A	Yes	Required
12e	PRIORITY CIR MAE - 10 Mbps	EVCPR10M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$256.25	Each	N/A	Yes	Required
12f	PRIORITY CIR MAE - 20 Mbps	EVCPR20M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$292.13	Each	N/A	Yes	Required
12g	PRIORITY CIR MAE - 50 Mbps	EVCPR50M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$350.55	Each	N/A	Yes	Required
12h	PRIORITY CIR MAE - 100 Mbps	EVCPR100 MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$430.50	Each	N/A	Yes	Required
12i	PRIORITY CIR MAE - 150 Mbps	EVCPR150 MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$477.65	Each	N/A	Yes	Required
12j	PRIORITY CIR MAE - 250 Mbps	EVCPR250 MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$525.83	Each	N/A	Yes	Required
12k	PRIORITY CIR MAE - 500 Mbps	EVCPR500 MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$650.88	Each	N/A	Yes	Required
12l	PRIORITY CIR MAE - 600 Mbps	EVCPR600 MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$748.25	Each	N/A	Yes	Required
12m	PRIORITY CIR MAE - 1000 Mbps	EVCPR1GB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$845.63	Each	N/A	Yes	Required
13 CIR (PREMIUM CoS)										
13a	PREMIUM CIR MAE - 2 Mbps	EVCPM2M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$230.11	Each	N/A	Yes	Required
13b	PREMIUM CIR MAE - 4 Mbps	EVCPM4M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$239.85	Each	N/A	Yes	Required
13c	PREMIUM CIR MAE - 5 Mbps	EVCPM5M B	The guaranteed average bandwidth of the virtual circuit.		\$0	\$243.95	Each	N/A	Yes	Required

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13d	PREMIUM CIR MAE – 8 Mbps	EVCPM8MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$254.20	Each	N/A	Yes	Required
13e	PREMIUM CIR MAE – 10 Mbps	EVCPM10MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$269.06	Each	N/A	Yes	Required
13f	PREMIUM CIR MAE – 20 Mbps	EVCPM20MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$306.48	Each	N/A	Yes	Required
13g	PREMIUM CIR MAE – 50 Mbps	EVCPM50MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$367.98	Each	N/A	Yes	Required
13h	PREMIUM CIR MAE – 100 Mbps	EVCPM100MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$452.03	Each	N/A	Yes	Required
13i	PREMIUM CIR MAE – 150 Mbps	EVCPM150MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$501.23	Each	N/A	Yes	Required
13j	PREMIUM CIR MAE – 250 Mbps	EVCPM250MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$552.48	Each	N/A	Yes	Required
13k	PREMIUM CIR MAE – 500 Mbps	EVCPM500MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$683.68	Each	N/A	Yes	Required
13l	PREMIUM CIR MAE – 600 Mbps	EVCPM600MB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$785.66	Each	N/A	Yes	Required
13m	PREMIUM CIR MAE – 1000 Mbps	EVCPM1GB	The guaranteed average bandwidth of the virtual circuit.		\$0	\$887.65	Each	N/A	Yes	Required

3.4.2 Extended Demarcation Wiring Services

Contractor's Summary Description of Service: Copper or fiber jumper (as noted below) installation from MPOE to customer suite.

Geographic Availability:

Aliso Viejo	Carlsbad	Carpinteria	Chula Vista	Dana Point	El Cajon
Encinitas	Escondido	Goleta	Imperial Beach	Irvine	La Mesa
Laguna Beach	Laguna Hills	Laguna Niguel	Laguna Woods	Lake Forest	Lemon Grove
Mission Viejo	National City	Newport Beach	Oceanside	Orange	Palos Verdes Estates
Poway	Rancho Palos Verdes	Rancho Santa Margarita	Rolling Hills	Rolling Hills Estates	San Clemente
San Diego	San Juan Capistrano	San Marcos	Santa Barbara	Santee	Solana Beach
Tustin	Vista	Alpine	Camp Pendleton	Jamul	Lakeside
Ramona	Rancho San Diego	Rancho Santa Fe	Capistrano Beach	Montecito	Pine Valley

Service Limitations and Restrictions: Pricing includes labor only; no materials.

Change Charge Applicability: No change charges apply.

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	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	JUMPCOP	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.		\$225.00	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	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
2	Extended Demarcation – Copper four Pair – Overtime Hours	JUMPCOPPM	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.		\$338.00	N/A	Installation	N/A	No	Required
3	Extended Demarcation – Copper four Pair – Sunday and Holiday Hours	JUMPCOPWE	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.		\$450.00	N/A	Installation	N/A	No	Required
4	Extended Demarcation – Copper 25 Pair – Regular Hours	JUMPCOP	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.		\$425.00	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	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	Extended Demarcation – Copper 25 Pair – Overtime Hours	JUMPCOPP M	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.		\$538.00	N/A	Installation	N/A	No	Required
6	Extended Demarcation – Copper 25 Pair – Sunday and Holiday Hours	JUMPCOPW E	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.		\$650.00	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	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
7	Extended Demarcation – Optical Fiber Link – Regular Hours	JUMPFIB	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.		\$1,165.00	N/A	Installation	N/A	No	Required
8	Extended Demarcation – Optical Fiber Link – Overtime Hours	JUMPFIBPM	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.		\$1,276.00	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	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
9	Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours	JUMPFIBWE	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.		\$1,500.00	N/A	Installation	N/A	No	Required

3.4.3 Services Related Hourly Support

Contractor's Summary Description of Service: In-house service technician dispatched to diagnose or repair a service problem that is determined to be caused by factors out of the control of the Contractor. Minimum charge is 1 hour; charged in increments of 1 hour for each additional hour or portion of an hour.

Geographic Availability:

Aliso Viejo	Carlsbad	Carpinteria	Chula Vista	Dana Point	El Cajon
Encinitas	Escondido	Goleta	Imperial Beach	Irvine	La Mesa
Laguna Beach	Laguna Hills	Laguna Niguel	Laguna Woods	Lake Forest	Lemon Grove
Mission Viejo	National City	Newport Beach	Oceanside	Orange	Palos Verdes Estates
Poway	Rancho Palos Verdes	Rancho Santa Margarita	Rolling Hills	Rolling Hills Estates	San Clemente
San Diego	San Juan Capistrano	San Marcos	Santa Barbara	Santee	Solana Beach
Tustin	Vista	Alpine	Camp Pendleton	Jamul	Lakeside
Ramona	Rancho San Diego	Rancho Santa Fe	Capistrano Beach	Montecito	Pine Valley

Service Limitations and Restrictions: Pricing includes labor only; no materials.

Change Charge Applicability: No change charges apply.

3.4.3 Services Related Hourly Support

A	B	C	D	E	F	G	H	I	J	K
Line Item #	Product Name	Contractor's Product Identifier	Feature Description	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	FSRSC	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	\$102.00	Hour	N/A	No	Required

3.4.3 Services Related Hourly Support										
A	B	C	D	E	F	G	H	I	J	K
Line Item #	Product Name	Contractor's Product Identifier	Feature Description	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
2	Field Service Repair Technician Overtime Hours	FSRSCPM	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	\$152.00	Hour	N/A	No	Required
3	Field Service Repair Technician Sunday and Holiday Hours	FSRSCWE	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	\$204.00	Hour	N/A	No	Required