

INVITATION FOR BID  
IFB C4DNCS19  
Data Networks and Communications Services  
CATEGORY 23 – METROPOLITAN AREA  
NETWORK ETHERNET  
AT&T Enterprises, LLC.  
Statement of Work  
TECHNICAL REQUIREMENTS  
March 5, 2020  
BAFO

Issued by:  
STATE OF CALIFORNIA  
California Department of Technology Statewide  
Procurement  
PO Box 1810  
Rancho Cordova, CA 95741

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## AMENDMENT LOG

| Amendment # | Date       | Amendment Description   |
|-------------|------------|---|
| 4           | 12/15/20   | Added Header<br>Updated Table 23.2.1.6.4 - Unsolicited MAE Services and Features<br>Deleted entire Table 23.4.2.2 - Unsolicited Services Related Infrastructure<br>Updated available Services in Sections 23.5.8.1, 23.5.8.2, 23.5.8.3, 23.5.8.4, 23.5.8.5, 23.5.8.7, 23.5.8.8, and 23.5.8.9, 23.5.8.10 |
| 6           | 4/23/21    | Table of Contents – Updated Section 23.5.8.3 – Catastrophic Outage 2 reference link.<br>Table 23.2.1.6.4 - Unsolicited MAE Services and Features, added CoS line items #891-1,026 and renumbered remainder of table.  |
| 11          | 8/15/2022  | Table of Contents – updated<br>Updated Table 23.2.1.6.4 – Unsolicited MAE Services and Features, to add services  |
| 25          | 11/07/2025 | Changed contractor name from AT&T Corp. to AT&T Enterprises, LLC.   |

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## TECHNICAL REQUIREMENTS

### Category 23 – METROPOLITAN AREA NETWORK ETHERNET

#### 23.1 OVERVIEW

The California Department of Technology (CDT), Statewide Telecommunications Procurement (STP) is requesting proposals from responsive vendors to provide Metropolitan Area Network (MAN) Ethernet services and features.

This Category 23 IFB C4DNCS19 (IFB) provides the State's solicitation for best value solutions for MAN Ethernet services. This IFB also describes the CALNET technical requirements necessary to support the CALNET program requirements.

This IFB will be awarded to Bidders that meet the award criteria as described in IFB C4DNCS19 Part 1, Bid Evaluation. The CALNET Data Network and Communications Services (DNCS) Contract(s) that result from the award of this IFB will be managed on a day-to-day basis by the CALNET Contractor Management Organization (CALNET CMO).

##### 23.1.1 Bidder Response Requirements

Throughout this IFB, Bidders are required to acknowledge acceptance of the requirements described herein by responding to one of the following:

1. Example A (for responses that require confirmation that the Bidder understands and accepts the requirement):

**“Bidder understands the requirements and shall meet or exceed them? Yes ”**

Or,

2. Example B (for responses that require the Bidder to provide a description or written response to the requirement):

**“Bidder understands the requirements and shall meet or exceed them? Yes ”**

**Description:”**

Or,

3. Example C (for responses contained in Technical Feature and/or Service Tables):

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations | Bidders Product Identifier | Bidder Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|--|----------------------------|------------------------------------|
| 1         |              |                     |  |                            | Yes                                |

### 23.1.2 Designation of Requirements

All Technical Requirements specified in this IFB C4DNCS19 are Mandatory and must be responded to as identified in IFB C4DNCS19 Part 1, SOW Mandatory Technical Requirements by the Bidder. Additionally, some Mandatory requirements are "Mandatory-Scorable" and are designated as "(M-S)".

Costs associated with services shall be included in the prices provided by the Bidder for the individual items included in the Cost Worksheets. Items not listed in the Cost Worksheets will not be billable by the Contractor. If additional unsolicited items include the features described in the IFB and are not included as billable in the Cost Worksheets, the cost associated with the features shall not be included in the unsolicited price.

Services and features included in the Cost Worksheets are those that the Bidder must provide. All Bidders must provide individual prices as indicated in the Cost Worksheets in the Bidder's Final Proposal. Items submitted with no price will be considered as offered at no cost.

### 23.1.3 Pacific Time Zone

Unless specific otherwise, all times stated herein are times in the Pacific Time Zone.

**Bidder understands the requirements and shall meet or exceed them? Yes**

## 23.2 ETHERNET SERVICES

Contractors shall provide Ethernet network services in specific geographic locations throughout the state. The service shall provide for the transmission of digital signals in a dedicated high capacity channel. The service shall be available in multiple configurations, enabling Customers to connect two or more Local Area Networks (LANs) at the native speed of the LAN backbone.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.2.1 Metropolitan Area Network Ethernet (MAE) Services

Contractors shall provide switched Ethernet point-to-point and multipoint LAN services for use in a metropolitan area which allows Customers to connect two or more locations.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1 General Requirements

##### 23.2.1.1.1 Standards

1. Contractor's service shall provide Ethernet services that comply with all applicable standards as set by the following standard bodies:

**Bidder understands the requirements and shall meet or exceed them? Yes**

2. Metro Ethernet Forum (MEF);

**Bidder understands the requirements and shall meet or exceed them? Yes**

3. Internet Engineering Task Force;

**Bidder understands the requirements and shall meet or exceed them? Yes**

4. International Telecommunications Union (ITU); and,

**Bidder understands the requirements and shall meet or exceed them? Yes**

5. Institute of Electrical and Electronics Engineers, Inc. (IEEE).

**Bidder understands the requirements and shall meet or exceed them? Yes**

##### 23.2.1.1.2 Security

Contractor shall physically secure all data and networking facilities through which data traverses Contractor's WAN complying with the physical security controls of NIST SP 800-53, ISO/IEC 27001, or equivalent standards.

**Bidder understands the requirements and shall meet or exceed them? Yes**

##### 23.2.1.1.3 Data Breach Reporting

If Contractor determines that a breach of data has occurred that may involve CALNET Customer data, the nature and scope of the breach (as it affects Customer data) shall be reported to both the Customer and the CALNET CMO within 24 hours of that determination.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.4 End-to-End Ethernet Delivery

Contractors shall provide a seamless end-to-end service traversing from the Customer Premise Equipment (CPE) through the Contractor's network minimizing conversion of protocols.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.5 Ethernet Virtual Connections (EVC)

Contractor's service shall provide EVCs, which are used to define the association of two or more User-to-Network Interfaces (UNI's).

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.6 Ethernet User-to-Network Interface (UNI)

Contractor's service shall provide delivery of the service via a User-to-Network Interface (UNI). The service shall provide bidirectional, full duplex transmission of Ethernet frames using a standard IEEE 802.3 Ethernet interface (UNI). Table 23.2.1.1.6 lists the UNI physical interfaces.

**Table 23.2.1.1.6 – UNI Physical Interfaces**

| UNI Speed | UNI Physical Interface     |
|-----------|----------------------------|
| 10 Mbps   | 10/100/1000Base-Tx         |
| 100 Mbps  | 10/100/1000Base-Tx or Sx   |
| 1 Gbps    | 1000Base-Tx or 1000Base-SX |
| 10 Gbps   | 10GBase-SR or 10GBase-LR   |

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.7 Multiple Classes of Service (CoS)

The service shall provide Class of Service (CoS) options that allow for differentiated service performance levels for different types of network traffic.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.8 Service Frame Delivery Options

Service Frame Delivery options supported shall include:

1. Unicast Frame Delivery;

**Bidder understands the requirements and shall meet or exceed them? Yes**

2. Multicast Frame Delivery as per RFC 1112;

**Bidder understands the requirements and shall meet or exceed them? Yes**



3. IEEE 802.1 Bridging and Management Standards; and,

**Bidder understands the requirements and shall meet or exceed them? Yes**

4. Broadcast Frame Delivery as per IEEE 802.3.

**Bidder understands the requirements and shall meet or exceed them? Yes**

23.2.1.1.9 Ethernet Service Frame Disposition

The service shall deliver all service frames associated with the EVC unconditionally across the network as specified in Table 23.2.1.1.19.

**Table 23.2.1.1.9 –Service Frame Delivery Disposition**

| Service Frame Type | Service Frame Delivery               |
|--------------------|--------------------------------------|
| Unicast            | All Frames delivered unconditionally |
| Multicast          | All Frames delivered unconditionally |
| Broadcast          | All Frames delivered unconditionally |

**Bidder understands the requirements and shall meet or exceed them? Yes**

23.2.1.1.10 VLAN Tag Preservation

The service shall support IEEE 802.1Q VLAN-tagged Customer packets. All Customer VLAN IDs and priority code points (IEEE 802.1p) for CoS shall be transmitted and received unaltered by the service. Untagged packets shall be mapped to the native VLAN specified by Customer. Customers may configure their own VLANs on their Customer owned CPE without coordination with the Contractor.

**Bidder understands the requirements and shall meet or exceed them? Yes**

23.2.1.1.11 Maximum Frame Size

The service shall support a Maximum Transmission Unit (MTU) packet size of 1,600 bytes to support untagged or 802.1Q tagged packet sizes.

**Bidder understands the requirements and shall meet or exceed them? Yes**

23.2.1.1.12 Jumbo Frames

The Contractor's network shall support Jumbo Frames.

**Bidder understands the requirements and shall meet or exceed them? Yes**

23.2.1.1.13 Performance Monitoring

The Contractor shall conduct Performance Monitoring that includes the following:

1. Signal failure;

**Bidder understands the requirements and shall meet or exceed them? Yes**

2. Signal degradation;

**Bidder understands the requirements and shall meet or exceed them? Yes**

3. Connectivity or Loss of connectivity;

**Bidder understands the requirements and shall meet or exceed them? Yes**

4. Frame loss;

**Bidder understands the requirements and shall meet or exceed them? Yes**

5. Errored frames;

**Bidder understands the requirements and shall meet or exceed them? Yes**

6. Looping;

**Bidder understands the requirements and shall meet or exceed them? Yes**

7. Mis-inserted frames; and,

**Bidder understands the requirements and shall meet or exceed them? Yes**

8. Maintenance parameters.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.14 Network Monitoring

The Contractor shall monitor all services on a 24x7 basis.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.15 Technical Support

Contractor shall provide technical support for service issues via a toll-free telephone number that operates on a 24x7 basis.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.16 Maintenance

The Contractor shall perform maintenance during a set maintenance window. Maintenance shall be coordinated between the Contractor and the Customer. Contractor shall provide a minimum of 48 hour notice to the Customer for non-service impacting scheduled maintenance. Contractor shall provide a minimum of seven days' notice for service impacting planned maintenance. Emergency maintenance shall be performed as needed.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.17 Equipment and Environment

The Contractor shall provide and install all network terminating Equipment (NTE) in Customer provided racking and utilize State provided AC power. The NTE shall connect to either a Customer router with an Ethernet blade or a Customer Ethernet switch equipped to support Ethernet located within fifty feet.

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

All Equipment shall adhere to the Telcordia Network Equipment Building System (NEBS).

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.1.18 Contractor Wi-Fi Hotspot Service Offerings

The Contractor shall not configure services utilizing state-funded (or leased) infrastructure or resources to provide Contractor branded Wi-Fi hotspots for a fee/subscription to the general public. Use of any publicly funded power, facilities, or infrastructure in State leased or owned buildings to provide Contractor fee based Wi-Fi services is considered a gift of public funds.

The Contractor shall not provide Contractor branded Wi-Fi hotspot services for non-CALNET users by piggybacking onto CALNET Customer primary installations or by any other means that utilize publicly funded assets. This restriction includes but is not limited to installation of secondary equipment, circuits, or data channels both land based and wireless.

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.2 Ethernet Private Line (EPL) MAE Service

The Contractor shall provide Ethernet Private Line (EPL) MAE service. This service shall provide a logical Point-to-Point connection between two Customer locations or a Customer location and an Internet Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location. EPL service shall enable Customers to use any VLANs or Ethernet control protocol across the service without coordination with the Contractor.

EPL service shall enable Customers to connect their Customer Premise Equipment (CPE) using an Ethernet interface and provide one Ethernet Virtual Connection (EVC) between two Customer locations.

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

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

The Contractor shall provide Ethernet Virtual Private Line (EVPL) MAE service. This service shall provide an Ethernet Virtual Connection (EVC) between two Customer locations similar to Ethernet Private Line service but shall support the added flexibility to multiplex multiple services (EVCs) on a single UNI at a Customer's hub or aggregation site.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.2.1.4 EVPL MAE Service Multiplexing

The EVPL MAE service shall enable Customers to multiplex multiple services (EVCs) on a given UNI eliminating the need for multiple physical interfaces on the Customer's router or Ethernet switch.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.2.1.5 EPL and EVPL MAE Classes of Service (CoS)

Contractor shall provide three Classes of Service (CoS) options for the EPL/EVPL MAE services – BASIC, PRIORITY and PREMIUM. The CoS options shall allow for differentiated service performance levels for different types of network traffic. CoS options shall allow Customers to prioritize mission-critical traffic from lesser priority traffic in the network. The CoS shall be associated with the bandwidth usage rate, Committed Information Rate (CIR), ordered by the Customer for each connection at the Customer locations. If the Customer requests multiple EVCs per location, then a CoS will be associated with each EVC.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.5.1 BASIC CoS MAE

BASIC CoS supports data applications with more tolerance for delay and/or those with least priority. There are no service performance parameters associated with this Class of Service.

The Contractor shall offer CIR - BASIC CoS services and features detailed in Table 23.2.1.6.b.

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.5.2 PRIORITY CoS MAE

PRIORITY CoS shall support data applications with more tolerance for delay and/or those that are lower in priority. The service parameters associated with this class of service are listed in Table 23.2.1.5.2.

Table 23.2.1.5.2 lists the service performance objectives for PRIORITY CoS for distances within 250 network miles.

The Contractor shall offer CIR – PRIORITY CoS services and features detailed in Table 23.2.1.6.c.

**Table 23.2.1.5.2 – PRIORITY CoS Performance Objectives**

| Performance Objective ( $\leq$ 250 miles) | PRIORITY CoS |
|---|--------------|
| Latency (one way)                         | <25ms        |
| Jitter (one way)                          | <15ms        |
| Packet Loss (one way)                     | <0.5%        |
| Availability                              | >99.99%      |

### **Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.2.1.5.3 PREMIUM CoS MAE

PREMIUM CoS shall support applications that require minimal loss and low latency variation (i.e., jitter). The network will provision data in this class of service in a priority queue indicating that it is delay sensitive. The service parameters associated with this class of service are listed in Table 23.2.1.5.3.

Table 23.2.1.5.3 lists the service performance objectives for PREMIUM CoS for distances within 250 network miles.

The Contractor shall offer CIR - PREMIUM CoS services and features detailed in Table 23.2.1.6.d.

**Table 23.2.1.5.3 – PREMIUM CoS Performance Objectives**

| Performance Objective ( $\leq$ 250 miles) | PREMIUM CoS |
|---|-------------|
| Latency (one way)                         | <15ms       |
| Jitter (one way)                          | <5ms        |

| Performance Objective ( $\leq$ 250 miles) | PREMIUM CoS |
|---|-------------|
| Packet Loss (one way)                     | <0.1%       |
| Availability                              | >99.99%     |

**Bidder understands the requirements and shall meet or exceed them? Yes**

**23.2.1.6 EPL and EVPL MAE Service Feature Description**

Contractor shall provide MAE services as described below.

**23.2.1.6.1 EPL and EVPL MAE Service Connections**

EPL and EVPL MAE Service Connections shall include the Network Interface and the Access Link from the Customer premises to the Ethernet network, a port on the Ethernet network, the assigned bandwidth usage and one Ethernet Virtual Connection (EVC).

1. Network Interface (NI): The point that the Customer's data transmission enters the Contractor's network. The point of interconnection between the Contractor's communication facility and Customer end-user's terminal equipment.

**Bidder understands the requirements and shall meet or exceed them? Yes**

2. Access Link: Connects a Customer facility at the NI to an Ethernet port on the Metro Ethernet network with a standard optical or copper connection.

**Bidder understands the requirements and shall meet or exceed them? Yes**

3. Port: An Ethernet port is the physical entry point to the shared Metro Ethernet Network. Virtual Local Area Networks (VLANs) Ethernet Virtual Connections (EVCs) originate and terminate on a Metro Ethernet Port.

**Bidder understands the requirements and shall meet or exceed them? Yes**

**23.2.1.6.2 Managed IP Enabled Routing Service:**

1. Contractor shall offer a managed router or IP enabled routing device service that includes the components described in Section 23.2.1.6.1 in a bundled format which includes a Contractor owned, maintained and managed router or managed IP enabled routing device as identified in Table 23.2.1.6.a.

**Bidder understands the requirements and shall meet or exceed them? Yes**

2. The Contactor's managed routing service shall include proactive Customer notification.

**Bidder understands the requirements and shall meet or exceed them? Yes**

3. The Contractor shall provide customers full read only access to the managed router or managed IP enabled routing device.

**Bidder understands the requirements and shall meet or exceed them? Yes**

Contractors shall provide the services and Features described in Table 23.2.1.6.a

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



| <b>Line<br/>Item</b> | <b>Feature<br/>Name</b> | <b>Feature<br/>Description</b> | <b>Bidder's Product<br/>Description,<br/>Restrictions and<br/>Limitations</b> | <b>Bidder's<br/>Product<br/>Identifier</b> | <b>Meets or<br/>Exceeds?<br/>Yes or No</b> |
|----------------------|-------------------------|--------------------------------|---|--|--|
|----------------------|-------------------------|--------------------------------|---|--|--|

|   |  |  |   |       |     |
|---|--|--|---|-------|-----|
| 1 | EPL MAE Service Connection 10/100 Mbps | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYQEX | Yes |
|---|--|--|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|   |   |   |   |        |     |
|---|---|---|---|--------|-----|
| 2 | EPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYQEXR | Yes |
|---|---|---|---|--------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

|   |  |  |   |       |     |
|---|--|--|---|-------|-----|
| 3 | EPL MAE Service Connection Gigabit Ethernet (1 Gbps) | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYQFX | Yes |
|---|--|--|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|   |   |  |   |        |     |
|---|---|--|---|--------|-----|
| 4 | EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYQFXR | Yes |
|---|---|--|---|--------|-----|



| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

|   |   |  |   |       |     |
|---|---|--|---|-------|-----|
| 5 | EPL MAE Service Connection Gigabit Ethernet (10 GE) | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYQGX | Yes |
|---|---|--|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|   |  |  |   |        |     |
|---|--|--|---|--------|-----|
| 6 | EPL MAE Service Connection Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYQGXR | Yes |
|---|--|--|---|--------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

|   |   |   |   |       |     |
|---|---|---|---|-------|-----|
| 7 | EVPL MAE Service Connection 10/100 Mbps | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYVEX | Yes |
|---|---|---|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|   |  |  |   |        |     |
|---|--|--|---|--------|-----|
| 8 | EVPL MAE Service Connection 10/100 Mbps with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYVEXR | Yes |
|---|--|--|---|--------|-----|



| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

|   |   |  |   |       |     |
|---|---|--|---|-------|-----|
| 9 | EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYVFX | Yes |
|---|---|--|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|    |  |   |   |        |     |
|----|--|---|---|--------|-----|
| 10 | EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYVFXR | Yes |
|----|--|---|---|--------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

|    |   |  |   |       |     |
|----|---|--|---|-------|-----|
| 11 | EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE) | 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. | AT&T Switched Ethernet Service (ASE) Port. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point-to-point, point-to-multipoint or multipoint-to- | EYVGX | Yes |
|----|---|--|---|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | <p>multipoint configurations. AT&amp;T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities.</p> |                             |                             |

|    |  |   |   |        |     |
|----|--|---|---|--------|-----|
| 12 | EVPL MAE Service Connection 10 Gigabit Ethernet (10 GE) with Managed IP Enabled Routing Device | 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. | AT&T Switched Ethernet Service (ASE) Port with managed IP enabled routing device. ASE is a switched Ethernet transport service providing advanced Ethernet functionality using fiber and copper access technology and a switched Ethernet core network. It provides full duplex transport of data signals between a Customer's premises and an Ethernet switch in a Telephone Company central office. Each connection is referred to as a "port" throughout. These ports can be interconnected in a variety of ways in the core network. AT&T Switched Ethernet Service supports point- | EYVGXR | Yes |
|----|--|---|---|--------|-----|



| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | to-point, point-to-multipoint or multipoint-to-multipoint configurations. AT&T Switched Ethernet Service is available in two serving arrangements and two types of Customer Port Connections - the Basic Service Arrangement and Basic Ports, and the Per Packet Class of Service Arrangement and PPCOS Ports. Access is subject to availability of facilities. |                             |                             |

| Line Item | Feature Name                          | Feature Description  | Bidder's Product Description, Restrictions and Limitations | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|---------------------------------------|--|--|-----------------------------|-----------------------------|
| 13        | Additional MAE MAC Addresses (51-100) | 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. | Additional ASE MAC Addresses. Maximum of 500.              | M2CBX                       | Yes                         |

|    |                                       |   |  |       |     |
|----|---------------------------------------|---|--|-------|-----|
| 14 | Ethernet Virtual Connection (EVC) MAE | 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. | EVC rate element. Ethernet Virtual Connection (EVC) is a logical connection between two or more Ethernet ports to form a network. A port can be configured to connect to one EVC, or multiple EVCs. 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. Point-to-point EVCs can be set in 1 Mbps increments from 1 Mbps to 2,000 Mbps. Multipoint EVCs can be set in 1Mbps increments from 1 Mbps to 1,000 | ASEVC | Yes |
|----|---------------------------------------|---|--|-------|-----|

| Line Item | Feature Name | Feature Description | Bidder's Product Description, Restrictions and Limitations  | Bidder's Product Identifier | Meets or Exceeds? Yes or No |
|-----------|--------------|---------------------|---|-----------------------------|-----------------------------|
|           |              |                     | Mbps. The default maximum EVC CIR will be 2000 Mbps. Requests for EVC CIR greater than 2000Mbps will be considered on an Individual Case Basis, taking into consideration factors such as facility conditions and the impact of the requested configuration on network performance. |                             |                             |

Contractor shall provide the Services and Features described in Table 23.2.1.6.b.

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

| <b>Line Item</b> | <b>Feature Name</b>    | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|------------------------|--|---|------------------------------------|------------------------------------|
| 1                | BASIC CIR MAE - 2 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E2XNH                            | Yes                                |
| 2                | BASIC CIR MAE - 4 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E4XNH                            | Yes                                |
| 3                | BASIC CIR MAE - 5 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EAXNH                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>           | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|-------------------------------|--|---|------------------------------------|------------------------------------|
| 4                | BASIC CIR<br>MAE - 8<br>Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E8XNH                            | <b>Yes</b>                         |
| 5                | BASIC CIR<br>MAE - 10<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EBXNH                            | <b>Yes</b>                         |
| 6                | BASIC CIR<br>MAE - 20<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EDXNH                            | <b>Yes</b>                         |

| <b>Line Item</b> | <b>Feature Name</b>            | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|--------------------------------|--|---|------------------------------------|------------------------------------|
| 7                | BASIC CIR<br>MAE - 50<br>Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EHXNH                            | <b>Yes</b>                         |
| 8                | BASIC CIR<br>MAE - 100<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ELXNH                            | <b>Yes</b>                         |
| 9                | BASIC CIR<br>MAE - 150<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ENXNH                            | <b>Yes</b>                         |

| <b>Line Item</b> | <b>Feature Name</b>            | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|--------------------------------|--|---|------------------------------------|------------------------------------|
| 10               | BASIC CIR<br>MAE - 200<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ERXNH                            | <b>Yes</b>                         |
| 11               | BASIC CIR<br>MAE - 250<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EQXNH                            | <b>Yes</b>                         |
| 12               | BASIC CIR<br>MAE - 400<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ESXNH                            | <b>Yes</b>                         |



| <b>Line Item</b> | <b>Feature Name</b>            | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|--------------------------------|--|---|------------------------------------|------------------------------------|
| 13               | BASIC CIR<br>MAE - 500<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ETXNH                            | <b>Yes</b>                         |
| 14               | BASIC CIR<br>MAE - 600<br>Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EUXNH                            | <b>Yes</b>                         |

| <b>Line Item</b> | <b>Feature Name</b>           | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|-------------------------------|--|---|------------------------------------|------------------------------------|
| 15               | BASIC CIR<br>MAE - 1<br>Gbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPL MAE 1 Gbps or EPL/EVPL 10 Gbps service connections only. | R6EZXNH                            | <b>Yes</b>                         |
| 16               | BASIC CIR<br>MAE - 10<br>Gbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPN MAE 10 Gbps service connections only.                    | R61SXNH                            | <b>Yes</b>                         |

Contractor shall provide the Services and Features described in Table 23.2.1.6.c.

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

| <b>Line Item</b> | <b>Feature Name</b>       | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|---------------------------|--|---|------------------------------------|------------------------------------|
| 1                | PRIORITY CIR MAE - 2 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E2XIA                            | Yes                                |
| 2                | PRIORITY CIR MAE - 4 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E4XIA                            | Yes                                |
| 3                | PRIORITY CIR MAE - 5 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EAXIA                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>        | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|----------------------------|--|---|------------------------------------|------------------------------------|
| 4                | PRIORITY CIR MAE - 8 Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E8XIA                            | Yes                                |
| 5                | PRIORITY CIR MAE - 10 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EBXIA                            | Yes                                |
| 6                | PRIORITY CIR MAE - 20 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EDXIA                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>         | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|-----------------------------|--|---|------------------------------------|------------------------------------|
| 7                | PRIORITY CIR MAE - 50 Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EHXIA                            | Yes                                |
| 8                | PRIORITY CIR MAE - 100 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ELXIA                            | Yes                                |
| 9                | PRIORITY CIR MAE - 150 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ENXIA                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>         | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|-----------------------------|--|---|------------------------------------|------------------------------------|
| 10               | PRIORITY CIR MAE - 200 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ERXIA                            | Yes                                |
| 11               | PRIORITY CIR MAE - 250 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EQXIA                            | Yes                                |
| 12               | PRIORITY CIR MAE - 400 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ESXIA                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>         | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|-----------------------------|--|---|------------------------------------|------------------------------------|
| 13               | PRIORITY CIR MAE - 500 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ETXIA                            | Yes                                |
| 14               | PRIORITY CIR MAE - 600 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EUXIA                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>        | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|----------------------------|--|---|------------------------------------|------------------------------------|
| 15               | PRIORITY CIR MAE - 1 Gbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPL MAE 1 Gbps or EPL/EVPL 10 Gbps service connections only. | R6EZXA                             | Yes                                |
| 16               | PRIORITY CIR MAE - 10 Gbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPN MAE 10 Gbps service connections only.                    | R61SXA                             | Yes                                |



Contractor shall provide the Services and Features described in Table 23.2.1.6.d.

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

| <b>Line Item</b> | <b>Feature Name</b>      | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|--------------------------|--|---|------------------------------------|------------------------------------|
| 1                | PREMIUM CIR MAE - 2 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E2XRT                            | Yes                                |
| 2                | PREMIUM CIR MAE - 4 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E4XRT                            | Yes                                |
| 3                | PREMIUM CIR MAE - 5 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EAXRT                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>       | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|---------------------------|--|---|------------------------------------|------------------------------------|
| 4                | PREMIUM CIR MAE - 8 Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6E8XRT                            | Yes                                |
| 5                | PREMIUM CIR MAE - 10 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EBXRT                            | Yes                                |
| 6                | PREMIUM CIR MAE - 20 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EDXRT                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>        | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|----------------------------|--|---|------------------------------------|------------------------------------|
| 7                | PREMIUM CIR MAE - 50 Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EHXRT                            | Yes                                |
| 8                | PREMIUM CIR MAE - 100 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ELXRT                            | Yes                                |
| 9                | PREMIUM CIR MAE - 150 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ENXRT                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>        | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|----------------------------|--|---|------------------------------------|------------------------------------|
| 10               | PREMIUM CIR MAE - 200Mbps  | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ERXRT                            | Yes                                |
| 11               | PREMIUM CIR MAE - 250 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EQXRT                            | Yes                                |
| 12               | PREMIUM CIR MAE - 400 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ESXRT                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>        | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|----------------------------|--|---|------------------------------------|------------------------------------|
| 13               | PREMIUM CIR MAE - 500 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6ETXRT                            | Yes                                |
| 14               | PREMIUM CIR MAE - 600 Mbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. | R6EUXRT                            | Yes                                |

| <b>Line Item</b> | <b>Feature Name</b>       | <b>Feature Description</b>                               | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Meets or Exceeds? Yes or No</b> |
|------------------|---------------------------|--|---|------------------------------------|------------------------------------|
| 15               | PREMIUM CIR MAE -1 Gbps   | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPL MAE 1 Gbps or EPL/EVPL 10 Gbps service connections only. | R6EZRT                             | Yes                                |
| 16               | PREMIUM CIR MAE - 10 Gbps | The guaranteed average bandwidth of the virtual circuit. | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Available to order with EPL/EVPN MAE 10 Gbps service connections only.                    | R61SXRT                            | Yes                                |

#### 23.2.1.6.3 MAE Backup Options

If the Contractor provides LTE backup services for Managed Equipment the Contractor shall use current CALNET Cellular providers. All Bidders are required to indicate below that they understand the requirement regardless of their intent to provide LTE backup services.

**Bidder understands this requirement and shall meet or exceed it?** Yes

#### 23.2.1.6.4 Additional Unsolicited MAE Services and Features

The Bidder may offer additional unsolicited MAE services and features in Table 23.2.1.6.4.

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

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 1         | ASE (BSA)<br>Committed<br>Information<br>Rate – 2 Mbps<br>Business Critical<br>High | R6E2XBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 2         | ASE (BSA)<br>Committed<br>Information<br>Rate – 4 Mbps<br>Business Critical<br>High | R6E4XBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 3         | ASE (BSA)<br>Committed<br>Information<br>Rate – 5 Mbps<br>Business Critical<br>High | R6EAXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 4         | ASE (BSA)<br>Committed<br>Information<br>Rate – 8 Mbps<br>Business Critical<br>High   | R6E8XBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 5         | ASE (BSA)<br>Committed<br>Information<br>Rate – 10 Mbps<br>Business Critical<br>High  | R6EBXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 6         | ASE (BSA)<br>Committed<br>Information<br>Rate – 20 Mbps<br>Business Critical<br>High  | R6EDXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 7         | ASE (BSA)<br>Committed<br>Information<br>Rate – 50 Mbps<br>Business Critical<br>High  | R6EHXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 8         | ASE (BSA)<br>Committed<br>Information<br>Rate – 100<br>Mbps Business<br>Critical High | R6ELXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |



| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 9         | ASE (BSA)<br>Committed<br>Information<br>Rate – 150<br>Mbps Business<br>Critical High | R6ENXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 10        | ASE (BSA)<br>Committed<br>Information<br>Rate – 250<br>Mbps Business<br>Critical High | R6EQXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 11        | ASE (BSA)<br>Committed<br>Information<br>Rate – 400<br>Mbps Business<br>Critical High | R6ESXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 12        | ASE (BSA)<br>Committed<br>Information<br>Rate – 500<br>Mbps Business<br>Critical High | R6ETXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |
| 13        | ASE (BSA)<br>Committed<br>Information<br>Rate – 600<br>Mbps Business<br>Critical High | R6EUXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
| 14        | ASE (BSA)<br>Committed<br>Information<br>Rate – 1 Gbps<br>Business Critical<br>High    | R6EZXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 1 Gbps or EPL/EVPL 10 Gbps service connections only. |
| 15        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2000<br>Mbps Business<br>Critical High | R61BXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.                    |
| 16        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2500<br>Mbps Business<br>Critical High | R61CXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.                    |
| 17        | ASE (BSA)<br>Committed<br>Information<br>Rate – 4000<br>Mbps Business<br>Critical High | R61FXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | EPL/EVPL MAE 10 Gbps service connections only.  |
| 18        | ASE (BSA)<br>Committed<br>Information<br>Rate – 5000<br>Mbps Business<br>Critical High | R61HXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 19        | ASE (BSA)<br>Committed<br>Information<br>Rate – 7500<br>Mbps Business<br>Critical High | R61NXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 20        | ASE (BSA)<br>Committed<br>Information<br>Rate – 9500<br>Mbps Business<br>Critical High | R61RXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 21        | ASE (BSA)<br>Committed<br>Information<br>Rate – 10 Gbps<br>Business Critical<br>High   | R61SXBH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.   |
| 22        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2 Mbps<br>Business Critical<br>Medium | R6E2XBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 23        | ASE (BSA)<br>Committed<br>Information<br>Rate – 4 Mbps<br>Business Critical<br>Medium | R6E4XBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 24        | ASE (BSA)<br>Committed<br>Information<br>Rate – 5 Mbps<br>Business Critical<br>Medium | R6EAXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 25        | ASE (BSA)<br>Committed<br>Information<br>Rate – 8 Mbps<br>Business Critical<br>Medium | R6E8XBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 26        | ASE (BSA)<br>Committed<br>Information<br>Rate – 10 Mbps<br>Business Critical<br>Medium  | R6EBXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 27        | ASE (BSA)<br>Committed<br>Information<br>Rate – 20 Mbps<br>Business Critical<br>Medium  | R6EDXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 28        | ASE (BSA)<br>Committed<br>Information<br>Rate – 50 Mbps<br>Business Critical<br>Medium  | R6EHXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 29        | ASE (BSA)<br>Committed<br>Information<br>Rate – 100<br>Mbps Business<br>Critical Medium | R6ELXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |
| 30        | ASE (BSA)<br>Committed<br>Information<br>Rate – 150<br>Mbps Business<br>Critical Medium | R6ENXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 31        | ASE (BSA)<br>Committed<br>Information<br>Rate – 250<br>Mbps Business<br>Critical Medium | R6EQXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS).           |
| 32        | ASE (BSA)<br>Committed<br>Information<br>Rate – 400<br>Mbps Business<br>Critical Medium | R6ESXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS).           |
| 33        | ASE (BSA)<br>Committed<br>Information<br>Rate – 500<br>Mbps Business<br>Critical Medium | R6ETXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS).           |
| 34        | ASE (BSA)<br>Committed<br>Information<br>Rate – 600<br>Mbps Business<br>Critical Medium | R6EUXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS).           |
| 35        | ASE (BSA)<br>Committed<br>Information<br>Rate – 1 Gbps<br>Business Critical<br>Medium   | R6EZXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium (CoS).<br>Available to order with |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | EPL/EVPL MAE 1 Gbps or EPL/EVPL 10 Gbps service connections only.   |
| 36        | ASE (BSA) Committed Information Rate – 2000 Mbps Business Critical Medium | R61BXXBM                    | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 37        | ASE (BSA) Committed Information Rate – 2500 Mbps Business Critical Medium | R61CXXBM                    | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 38        | ASE (BSA) Committed Information Rate – 4000 Mbps Business Critical Medium | R61FXXBM                    | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 39        | ASE (BSA)<br>Committed<br>Information<br>Rate – 5000<br>Mbps Business<br>Critical Medium | R61HXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 40        | ASE (BSA)<br>Committed<br>Information<br>Rate – 7500<br>Mbps Business<br>Critical Medium | R61NXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 41        | ASE (BSA)<br>Committed<br>Information<br>Rate – 9500<br>Mbps Business<br>Critical Medium | R61RXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 42        | ASE (BSA)<br>Committed<br>Information<br>Rate – 10 Gbps<br>Business Critical<br>Medium   | R61SXBM                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of   |



| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.  |
| 43        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2000<br>Mbps Non-<br>Critical High | R61BXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 44        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2500<br>Mbps Non-<br>Critical High | R61CXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 45        | ASE (BSA)<br>Committed<br>Information<br>Rate – 4000<br>Mbps Non-<br>Critical High | R61FXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 46        | ASE (BSA)<br>Committed<br>Information<br>Rate – 5000<br>Mbps Non-<br>Critical High | R61HXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.   |
| 47        | ASE (BSA)<br>Committed<br>Information<br>Rate – 7500<br>Mbps Non-<br>Critical High | R61NXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 48        | ASE (BSA)<br>Committed<br>Information<br>Rate – 9500<br>Mbps Non-<br>Critical High | R61RXNH                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 49        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2000<br>Mbps Real Time             | R61BXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.         |
| 50        | ASE (BSA)<br>Committed<br>Information<br>Rate – 2500<br>Mbps Real Time             | R61CXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time  |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.   |
| 51        | ASE (BSA) Committed Information Rate – 4000 Mbps Real Time | R61FXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 52        | ASE (BSA) Committed Information Rate – 5000 Mbps Real Time | R61HXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 53        | ASE (BSA) Committed Information Rate – 7500 Mbps Real Time | R61NXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 54        | ASE (BSA) Committed Information Rate – 9500 Mbps Real Time | R61RXRT                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real Time  |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.  |
| 55        | ASE (BSA)<br>Committed Information Rate – 2000 Mbps<br>Interactive | R61BXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 56        | ASE (BSA)<br>Committed Information Rate – 2500 Mbps<br>Interactive | R61CXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 57        | ASE (BSA)<br>Committed Information Rate – 4000 Mbps<br>Interactive | R61FXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only. |
| 58        | ASE (BSA)<br>Committed Information Rate – 5000 Mbps<br>Interactive | R61HXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.  |
| 59        | ASE (BSA) Committed Information Rate – 7500 Mbps Interactive | R61NXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.   |
| 60        | ASE (BSA) Committed Information Rate – 9500 Mbps Interactive | R61RXIA                     | A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Available to order with EPL/EVPL MAE 10 Gbps service connections only.   |
| 61        | ASE (PPCoS) Connection 10/100 Mbps                           | EYQLX                       | ASE PPCoS 10/100 Mbps Ethernet port per location; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The ASE connection rate element includes the physical connection between the customer's demarcation and the core Ethernet network, and a port on the NTE. Access is subject to availability of facilities. This service arrangement provides transport of data with variable Classes of Service within an |

| Line Item | Feature Name                              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | Ethernet virtual connection, using a feature called "Per Packet Class of Service" or "PPCoS." With this serving arrangement, the Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within the AT&T network.   |
| 62        | ASE (PPCoS) Connection 1 Gigabit Ethernet | EYQMX                       | ASE PPCoS 1 Gbps Ethernet port per location; Assessed per interface at bandwidths of 1 Gbps Ethernet. The ASE connection rate element includes the physical connection between the customer's demarcation and the core Ethernet network, and a port on the NTE. Access is subject to availability of facilities. This service arrangement provides transport of data with variable Classes of Service within an Ethernet virtual connection, using a feature called "Per Packet Class of Service" or "PPCoS." With this serving arrangement, the Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within the AT&T network. |
| 63        | ASE (PPCoS) Connection 10                 | EYQNX                       | ASE PPCoS 10Gbps Ethernet port per location; Assessed per interface at bandwidths of  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           | Gigabit Ethernet  |                             | 10Gbps Ethernet. The ASE connection rate element includes the physical connection between the customer's demarcation and the core Ethernet network, and a port on the NTE. Access is subject to availability of facilities. This service arrangement provides transport of data with variable Classes of Service within an Ethernet virtual connection, using a feature called "Per Packet Class of Service" or "PPCoS." With this serving arrangement, the Customer applies a priority identifier to each Ethernet frame (packet) within an EVC, and the packet is given the associated CoS priority level within the AT&T network. |
| 64        | ASE (PPCoS) Committed Information Rate – 2 Mbps Multimedia High | R6E2XMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.   |
| 65        | ASE (PPCoS) Committed Information Rate – 4 Mbps                 | R6E4XMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           | Multimedia High  |                             | sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only.  |
| 66        | ASE (PPCoS)<br>Committed Information Rate – 5 Mbps<br>Multimedia High  | R6EAXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only. |
| 67        | ASE (PPCoS)<br>Committed Information Rate – 8 Mbps<br>Multimedia High  | R6E8XMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only. |
| 68        | ASE (PPCoS)<br>Committed Information Rate – 10 Mbps<br>Multimedia High | R6EBXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to  |



| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only.  |
| 69        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 20 Mbps<br>Multimedia<br>High     | R6EDXMH                     | ASE PPCoS - A statistically<br>guaranteed level of<br>transmission or guaranteed<br>bandwidth that the network<br>will provide to the EVC. The<br>sum total of the EVCs should<br>not exceed the CIR.<br>Multimedia High Class of<br>Service (CoS). Available to<br>order with ASE (PPCoS)<br>Connection 10/100 Mbps ports<br>only. |
| 70        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 50 Mbps<br>Multimedia<br>High     | R6EHXMH                     | ASE PPCoS - A statistically<br>guaranteed level of<br>transmission or guaranteed<br>bandwidth that the network<br>will provide to the EVC. The<br>sum total of the EVCs should<br>not exceed the CIR.<br>Multimedia High Class of<br>Service (CoS). Available to<br>order with ASE (PPCoS)<br>Connection 10/100 Mbps ports<br>only. |
| 71        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 100<br>Mbps<br>Multimedia<br>High | R6ELXMH                     | ASE PPCoS - A statistically<br>guaranteed level of<br>transmission or guaranteed<br>bandwidth that the network<br>will provide to the EVC. The<br>sum total of the EVCs should<br>not exceed the CIR.<br>Multimedia High Class of<br>Service (CoS). Available to<br>order with ASE (PPCoS)<br>Connection 10/100 Mbps ports<br>only. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 72        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 150<br>Mbps<br>Multimedia<br>High | R6ENXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 73        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 250<br>Mbps<br>Multimedia<br>High | R6EQXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 74        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 400<br>Mbps<br>Multimedia<br>High | R6ESXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 75        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 500                               | R6ETXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           | Mbps<br>Multimedia<br>High   |                             | will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only.   |
| 76        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 600<br>Mbps<br>Multimedia<br>High  | R6EUXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only.               |
| 77        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 1000<br>Mbps<br>Multimedia<br>High | R6EZXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit or 10 Gigabit Ethernet ports only. |
| 78        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 2000<br>Mbps<br>Multimedia<br>High | R61BXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.   |
| 79        | ASE (PPCoS) Committed Information Rate – 2500 Mbps<br>Multimedia High | R61CXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 80        | ASE (PPCoS) Committed Information Rate – 4000 Mbps<br>Multimedia High | R61FXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 81        | ASE (PPCoS) Committed Information Rate – 5000 Mbps<br>Multimedia High | R61HXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 82        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 7500<br>Mbps<br>Multimedia<br>High  | R61NXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 83        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 9500<br>Mbps<br>Multimedia<br>High  | R61RXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 84        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 10000<br>Mbps<br>Multimedia<br>High | R61SXMH                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia High Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 85        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 2 Mbps                              | R6E2XMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           | Multimedia Standard   |                             | will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only.   |
| 86        | ASE (PPCoS) Committed Information Rate – 4 Mbps Multimedia Standard | R6E4XMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only. |
| 87        | ASE (PPCoS) Committed Information Rate – 5 Mbps Multimedia Standard | R6EAXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10/100 Mbps ports only. |
| 88        | ASE (PPCoS) Committed Information Rate – 8 Mbps Multimedia Standard | R6E8XMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of  |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.  |
| 89        | ASE (PPCoS) Committed Information Rate – 10 Mbps Multimedia Standard | R6EBXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 90        | ASE (PPCoS) Committed Information Rate – 20 Mbps Multimedia Standard | R6EDXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 91        | ASE (PPCoS) Committed Information Rate – 50 Mbps Multimedia Standard | R6EHXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 92        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 100<br>Mbps<br>Multimedia<br>Standard | R6ELXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.        |
| 93        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 150<br>Mbps<br>Multimedia<br>Standard | R6ENXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 94        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 250<br>Mbps<br>Multimedia<br>Standard | R6EQXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 95        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 400                                   | R6ESXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network  |



| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           | Mbps<br>Multimedia<br>Standard   |                             | will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 1 Gigabit Ethernet ports only.   |
| 96        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 500<br>Mbps<br>Multimedia<br>Standard  | R6ETXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 1 Gigabit Ethernet ports only. |
| 97        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 600<br>Mbps<br>Multimedia<br>Standard  | R6EUXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 1 Gigabit Ethernet ports only. |
| 98        | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 1000<br>Mbps<br>Multimedia<br>Standard | R6EZXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Service (CoS). Available to order with ASE (PPCoS)<br>Connection 1 Gigabit or 10 Gigabit Ethernet ports only.  |
| 99        | ASE (PPCoS)<br>Committed Information Rate – 2000 Mbps<br>Multimedia Standard | R61BXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10 Gigabit Ethernet ports only. |
| 100       | ASE (PPCoS)<br>Committed Information Rate – 2500 Mbps<br>Multimedia Standard | R61CXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)<br>Connection 10 Gigabit Ethernet ports only. |
| 101       | ASE (PPCoS)<br>Committed Information Rate – 4000 Mbps<br>Multimedia Standard | R61FXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Connection 10 Gigabit Ethernet ports only.   |
| 102       | ASE (PPCoS) Committed Information Rate – 5000 Mbps Multimedia Standard | R61HXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 103       | ASE (PPCoS) Committed Information Rate – 7500 Mbps Multimedia Standard | R61NXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 104       | ASE (PPCoS) Committed Information Rate – 9500 Mbps Multimedia Standard | R61RXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS)  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | Connection 10 Gigabit Ethernet ports only.   |
| 105       | ASE (PPCoS) Committed Information Rate – 10000 Mbps Multimedia Standard | R61SXMS                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Multimedia Standard Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 106       | ASE (PPCoS) Committed Information Rate – 2 Mbps Critical Data           | R6E2XCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.               |
| 107       | ASE (PPCoS) Committed Information Rate – 4 Mbps Critical Data           | R6E4XCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.               |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
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| 108       | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 5 Mbps<br>Critical Data  | R6EAXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 109       | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 8 Mbps<br>Critical Data  | R6E8XCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 110       | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 10 Mbps<br>Critical Data | R6EBXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 111       | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 20 Mbps<br>Critical Data | R6EDXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.   |
| 112       | ASE (PPCoS) Committed Information Rate – 50 Mbps Critical Data  | R6EHXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.        |
| 113       | ASE (PPCoS) Committed Information Rate – 100 Mbps Critical Data | R6ELXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.        |
| 114       | ASE (PPCoS) Committed Information Rate – 150 Mbps Critical Data | R6ENXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 115       | ASE (PPCoS) Committed Information Rate – 250 Mbps Critical Data | R6EQXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 116       | ASE (PPCoS) Committed Information Rate – 400 Mbps Critical Data | R6ESXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 117       | ASE (PPCoS) Committed Information Rate – 500 Mbps Critical Data | R6ETXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 118       | ASE (PPCoS) Committed Information Rate – 600 Mbps Critical Data | R6EUXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical  |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only.  |
| 119       | ASE (PPCoS) Committed Information Rate – 1000 Mbps Critical Data | R6EZXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit or 10 Gigabit Ethernet ports only. |
| 120       | ASE (PPCoS) Committed Information Rate – 2000 Mbps Critical Data | R61BXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.              |
| 121       | ASE (PPCoS) Committed Information Rate – 2500 Mbps Critical Data | R61CXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.              |



| <b>Line Item</b> | <b>Feature Name</b>  | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>  |
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| 122              | ASE (PPCoS) Committed Information Rate – 4000 Mbps Critical Data | R61FXCD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 123              | ASE (PPCoS) Committed Information Rate – 5000 Mbps Critical Data | R61HXCD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 124              | ASE (PPCoS) Committed Information Rate – 7500 Mbps Critical Data | R61NXCD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 125              | ASE (PPCoS) Committed Information Rate – 9500 Mbps Critical Data | R61RXCD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.  |
| 126       | ASE (PPCoS) Committed Information Rate – 10000 Mbps Critical Data | R61SXCD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Critical Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 127       | ASE (PPCoS) Committed Information Rate – 2 Mbps Business Data     | R6E2XBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.         |
| 128       | ASE (PPCoS) Committed Information Rate – 4 Mbps Business Data     | R6E4XBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.         |

| <b>Line Item</b> | <b>Feature Name</b>  | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>  |
|------------------|--|------------------------------------|--|
| 129              | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 5 Mbps<br>Business Data  | R6EAXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 130              | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 8 Mbps<br>Business Data  | R6E8XBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 131              | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 10 Mbps<br>Business Data | R6EBXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only. |
| 132              | ASE (PPCoS)<br>Committed<br>Information<br>Rate – 20 Mbps<br>Business Data | R6EDXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.   |
| 133       | ASE (PPCoS) Committed Information Rate – 50 Mbps Business Data  | R6EHXBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.        |
| 134       | ASE (PPCoS) Committed Information Rate – 100 Mbps Business Data | R6ELXBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10/100 Mbps ports only.        |
| 135       | ASE (PPCoS) Committed Information Rate – 150 Mbps Business Data | R6ENXBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |

| <b>Line Item</b> | <b>Feature Name</b>   | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>   |
|------------------|---|------------------------------------|---|
| 136              | ASE (PPCoS) Committed Information Rate – 250 Mbps Business Data | R6EQXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 137              | ASE (PPCoS) Committed Information Rate – 400 Mbps Business Data | R6ESXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 138              | ASE (PPCoS) Committed Information Rate – 500 Mbps Business Data | R6ETXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only. |
| 139              | ASE (PPCoS) Committed Information Rate – 600 Mbps Business Data | R6EUXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business  |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit Ethernet ports only.  |
| 140       | ASE (PPCoS) Committed Information Rate – 1000 Mbps Business Data | R6EZXB                      | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 1 Gigabit or 10 Gigabit Ethernet ports only. |
| 141       | ASE (PPCoS) Committed Information Rate – 2000 Mbps Business Data | R61BXB                      | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.              |
| 142       | ASE (PPCoS) Committed Information Rate – 2500 Mbps Business Data | R61CXB                      | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.              |

| <b>Line Item</b> | <b>Feature Name</b>  | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>  |
|------------------|--|------------------------------------|--|
| 143              | ASE (PPCoS) Committed Information Rate – 4000 Mbps Business Data | R61FXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 144              | ASE (PPCoS) Committed Information Rate – 5000 Mbps Business Data | R61HXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 145              | ASE (PPCoS) Committed Information Rate – 7500 Mbps Business Data | R61NXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 146              | ASE (PPCoS) Committed Information Rate – 9500 Mbps Business Data | R61RXBD                            | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only.  |
| 147       | ASE (PPCoS) Committed Information Rate – 10000 Mbps Business Data | R61SXBD                     | ASE PPCoS - A statistically guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Data Class of Service (CoS). Available to order with ASE (PPCoS) Connection 10 Gigabit Ethernet ports only. |
| 148       | ASE Regenerator 10/100 Mbps port                                  | EYQHX                       | Regenerating technology provides essential detection and retransmission of Ethernet signals. The type of transport medium and equipment needed for regeneration will be provided only as required by AT&T when actual fiber facility distance between central office locations exceeds design limits.    |
| 149       | ASE Regenerator 1 Gbps port                                       | EYQJX                       | Regenerating technology provides essential detection and retransmission of Ethernet signals. The type of transport medium and equipment needed for regeneration will be provided only as required by AT&T when actual fiber facility distance between central office locations exceeds design limits.    |



| Line Item | Feature Name                                | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 150       | ASE Regenerator<br>10 Gbps port             | EYQKX                       | Regenerating technology provides essential detection and retransmission of Ethernet signals. The type of transport medium and equipment needed for regeneration will be provided only as required by AT&T when actual fiber facility distance between central office locations exceeds design limits.   |
| 151       | ASE Alternate Service Switch<br>0-10 miles  | 1HHEK                       | The Alternate Serving Switch option allows Customers to order AT&T Switched Ethernet Service from an AT&T Switched Ethernet Service switch that is different from the AT&T Switched Ethernet Service switch that would normally serve the Customer's premises. The Alternate Serving Switch charges apply for mileage measured between the AT&T Switched Ethernet Service's alternate switch wire center and the Customer's premises' normal serving wire center. |
| 152       | ASE Alternate Service Switch<br>11-25 miles | 1HHEL                       | The Alternate Serving Switch option allows Customers to order AT&T Switched Ethernet Service from an AT&T Switched Ethernet Service switch that is different from the AT&T Switched Ethernet Service switch that would normally serve the Customer's premises. The Alternate Serving Switch charges apply for mileage measured between the AT&T Switched Ethernet Service's   |

| Line Item | Feature Name                                | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | alternate switch wire center and the Customer's premises' normal serving wire center.   |
| 153       | ASE Alternate Service Switch<br>26-35 miles | 1HHEM                       | The Alternate Serving Switch option allows Customers to order AT&T Switched Ethernet Service from an AT&T Switched Ethernet Service switch that is different from the AT&T Switched Ethernet Service switch that would normally serve the Customer's premises. The Alternate Serving Switch charges apply for mileage measured between the AT&T Switched Ethernet Service's alternate switch wire center and the Customer's premises' normal serving wire center. |
| 154       | ASE Alternate Service Switch<br>36-50 miles | 1HHEN                       | The Alternate Serving Switch option allows Customers to order AT&T Switched Ethernet Service from an AT&T Switched Ethernet Service switch that is different from the AT&T Switched Ethernet Service switch that would normally serve the Customer's premises. The Alternate Serving Switch charges apply for mileage measured between the AT&T Switched Ethernet Service's alternate switch wire center and the Customer's premises' normal serving wire center. |

| Line Item | Feature Name                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
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| 155       | Diverse Access                  | EY7AD                       | This feature provides transmission paths, which are diverse from each other as provided in this section, between two designated AT&T Switched Ethernet Service Port Connections at the same Customer premises and an AT&T Switched Ethernet Service switch. These two designated Port Connections must be purchased by the same Customer of record, and must be either 1 Gbps or 10 Gbps.  |
| 156       | ASE Enhanced Multicast Per Port | EY7AE                       | The Enhanced Multicast feature allows the broadcast/multicast/unknown unicast (BUM) traffic limit associated with multipoint EVCs to be increased from 2 Mbps up to 30 Mbps per EVC. The Enhanced Multicast feature is offered on a per port basis. Once the feature is ordered on a port, each multipoint EVC on that port may be provisioned to allow up to 30 Mbps of combined BUM traffic, orderable in 1 Mbps increments. EVC orders for such ports that do not specify a higher limit as allowed under this feature will be limited to the standard default of 2 Mbps BUM limit. |
| 157       | Advanced Access Failover 1G     | EY7AA                       | Advanced Access Failover ("AAF") provides automatic failover to a redundant facility   |

| Line Item | Feature Name                                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | in the event of a failure of a protected facility.  |
| 158       | Advanced Access Failover 10G                    | EY7AB                       | Advanced Access Failover ("AAF") provides automatic failover to a redundant facility in the event of a failure of a protected facility.   |
| 159       | ASE Administrative Change Charge                | ORCMX                       | Service order change charge, per order, for customer initiated inside moves or reconfiguration of existing ASE ports and CIR.   |
| 160       | InSBET 100-Base-TX/SX 2 Mbps Ethernet Transport | LNET2                       | 2 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |
| 161       | InSBET 100-Base-TX/SX 4 Mbps Ethernet Transport | LNET4                       | 4 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |

| Line Item | Feature Name                                     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
| 162       | InSBET 100-Base-TX/SX 5 Mbps Ethernet Transport  | LNET5                       | 5 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 163       | InSBET 100-Base-TX/SX 8 Mbps Ethernet Transport  | LNET8                       | 8 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 164       | InSBET 100-Base-TX/SX 10 Mbps Ethernet Transport | LNET10                      | 10 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |

| Line Item | Feature Name                                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
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| 165       | InSBET 100-Base-TX/SX 20 Mbps Ethernet Transport  | LNET20                      | 20 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 166       | InSBET 100-Base-TX/SX 50 Mbps Ethernet Transport  | LNET50                      | 50 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 167       | InSBET 100-Base-TX/SX 100 Mbps Ethernet Transport | LNET100                     | 100 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |
| 168       | InSBET 1000-Base-TX 150 Mbps Ethernet Transport   | LNET150                     | 150 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
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|           |  |                             | Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.   |
| 169       | InSBET 1000-Base-TX 250 Mbps Ethernet Transport        | LNET250                     | 250 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |
| 170       | InSBET 1000-Base-TX 500 Mbps Ethernet Transport        | LNET500                     | 500 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |
| 171       | InSBET 1000-Base-TX 600 Mbps Ethernet Transport On-Net | LNET600                     | 600 Mbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where  |

| Line Item | Feature Name                                     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
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|           |  |                             | AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.   |
| 172       | InSBET 1000-Base-TX 1000 Mbps Ethernet Transport | LNET1G                      | 1 Gbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 173       | InSBET 10G-Base-LSR 10 Gbps Ethernet Transport   | LNET10G                     | 10 Gbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities. |
| 174       | InSBET 100 Gbps Ethernet Transport On-Net        | LNE100G                     | 100 Gbps Ethernet On-Net Access Service provides Ethernet access transport services for connection to Wide Area Network (WAN) services such as EPLS WAN, OPT-E-WAN, AVPN and ADI. Available in locations where AT&T is able to provide the necessary facilities. Access is                                       |



| Line Item | Feature Name | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
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|           |              |                             | subject to availability of facilities.  |
| 175       | OPT-E-WAN    |                             | <p>OPT-E-WAN is a Layer 2 VPN service, providing Ethernet switching between customer endpoints. The reach of the service includes in-telco region domestic U.S., out of region domestic US and Global. The basis for the service implementation is VPLS, using the AT&amp;T core MPLS network for transport. The service is a Layer 2 Ethernet VPN. The network ties together the service instances of the customer VPN into an Any to Any forwarding domain. The network makes forwarding decisions based on a combination of Ethernet MAC addresses, VLANs and port configuration depending on the service options selected for a given connection. With VPLS, the provider's network creates the mesh of connections over MPLS. Each customers Edge (CE) device connects to a Provider Edge (PE) router that looks up the destination Ethernet address and adds a virtual channel label to the packet. Packets are directed through the MPLS Network via MPLS Label Switched Routers to the PE</p> |

| Line Item | Feature Name    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------|-----------------------------|---|
|           |                 |                             | router at the other end. OPT-E-WAN provides two basic customer UNI definitions. These two UNI definitions are referred to as "Per Port" and "Per VLAN" service. These two UNI definitions define the service significance of VLANs on the customer UNI. AT&T OPT-E-WAN is available in speeds of 1-20 Mbps, in 1 Mbps increments, 20-100 Mbps in 10 Mbps increments, 100 Mbps-1G in 50 Mbps increments and 1000 Mbps-10G in 500 Mbps increments. Access is subject to availability of facilities. |
| 176       | OEW Port - .5M  | 84435                       | OEW Port – Requires Ethernet access, charged separately.  |
| 177       | OEW Port - 1M   | 80390                       | OEW Port – Requires Ethernet access, charged separately.  |
| 178       | OEW Port - 1.5M | 84436                       | OEW Port – Requires Ethernet access, charged separately.  |
| 179       | OEW Port - 2M   | 80391                       | OEW Port – Requires Ethernet access, charged separately.  |
| 180       | OEW Port - 3M   | 80392                       | OEW Port – Requires Ethernet access, charged separately.  |
| 181       | OEW Port - 4M   | 80393                       | OEW Port – Requires Ethernet access, charged separately.  |
| 182       | OEW Port - 5M   | 80394                       | OEW Port – Requires Ethernet access, charged separately.  |
| 183       | OEW Port - 6M   | 80395                       | OEW Port – Requires Ethernet access, charged separately.  |
| 184       | OEW Port - 7M   | 80396                       | OEW Port – Requires Ethernet access, charged separately.  |
| 185       | OEW Port - 8M   | 80397                       | OEW Port – Requires Ethernet access, charged separately.  |
| 186       | OEW Port - 9M   | 80398                       | OEW Port – Requires Ethernet access, charged separately.  |

| Line Item | Feature Name    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations |
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| 187       | OEW Port - 10M  | 80399                       | OEW Port – Requires Ethernet access, charged separately.   |
| 188       | OEW Port - 11M  | 80400                       | OEW Port – Requires Ethernet access, charged separately.   |
| 189       | OEW Port - 12M  | 80401                       | OEW Port – Requires Ethernet access, charged separately.   |
| 190       | OEW Port - 13M  | 80402                       | OEW Port – Requires Ethernet access, charged separately.   |
| 191       | OEW Port - 14M  | 80403                       | OEW Port – Requires Ethernet access, charged separately.   |
| 192       | OEW Port - 15M  | 80404                       | OEW Port – Requires Ethernet access, charged separately.   |
| 193       | OEW Port - 16M  | 80405                       | OEW Port – Requires Ethernet access, charged separately.   |
| 194       | OEW Port - 17M  | 80406                       | OEW Port – Requires Ethernet access, charged separately.   |
| 195       | OEW Port - 18M  | 80407                       | OEW Port – Requires Ethernet access, charged separately.   |
| 196       | OEW Port - 19M  | 80408                       | OEW Port – Requires Ethernet access, charged separately.   |
| 197       | OEW Port - 20M  | 80409                       | OEW Port – Requires Ethernet access, charged separately.   |
| 198       | OEW Port - 30M  | 80410                       | OEW Port – Requires Ethernet access, charged separately.   |
| 199       | OEW Port - 40M  | 80411                       | OEW Port – Requires Ethernet access, charged separately.   |
| 200       | OEW Port - 50M  | 80412                       | OEW Port – Requires Ethernet access, charged separately.   |
| 201       | OEW Port - 60M  | 80413                       | OEW Port – Requires Ethernet access, charged separately.   |
| 202       | OEW Port - 70M  | 80414                       | OEW Port – Requires Ethernet access, charged separately.   |
| 203       | OEW Port - 80M  | 80415                       | OEW Port – Requires Ethernet access, charged separately.   |
| 204       | OEW Port - 90M  | 80416                       | OEW Port – Requires Ethernet access, charged separately.   |
| 205       | OEW Port - 100M | 80417                       | OEW Port – Requires Ethernet access, charged separately.   |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations |
|-----------|------------------|-----------------------------|--|
| 206       | OEW Port - 150M  | 80418                       | OEW Port – Requires Ethernet access, charged separately.   |
| 207       | OEW Port - 200M  | 80419                       | OEW Port – Requires Ethernet access, charged separately.   |
| 208       | OEW Port - 250M  | 80420                       | OEW Port – Requires Ethernet access, charged separately.   |
| 209       | OEW Port - 300M  | 80421                       | OEW Port – Requires Ethernet access, charged separately.   |
| 210       | OEW Port - 350M  | 80422                       | OEW Port – Requires Ethernet access, charged separately.   |
| 211       | OEW Port - 400M  | 80423                       | OEW Port – Requires Ethernet access, charged separately.   |
| 212       | OEW Port - 450M  | 80424                       | OEW Port – Requires Ethernet access, charged separately.   |
| 213       | OEW Port - 500M  | 80425                       | OEW Port – Requires Ethernet access, charged separately.   |
| 214       | OEW Port - 550M  | 80426                       | OEW Port – Requires Ethernet access, charged separately.   |
| 215       | OEW Port - 600M  | 80427                       | OEW Port – Requires Ethernet access, charged separately.   |
| 216       | OEW Port - 650M  | 80428                       | OEW Port – Requires Ethernet access, charged separately.   |
| 217       | OEW Port - 700M  | 80429                       | OEW Port – Requires Ethernet access, charged separately.   |
| 218       | OEW Port - 750M  | 80430                       | OEW Port – Requires Ethernet access, charged separately.   |
| 219       | OEW Port - 800M  | 80431                       | OEW Port – Requires Ethernet access, charged separately.   |
| 220       | OEW Port - 850M  | 80432                       | OEW Port – Requires Ethernet access, charged separately.   |
| 221       | OEW Port - 900M  | 80433                       | OEW Port – Requires Ethernet access, charged separately.   |
| 222       | OEW Port - 950M  | 80434                       | OEW Port – Requires Ethernet access, charged separately.   |
| 223       | OEW Port - 1G    | 80435                       | OEW Port – Requires Ethernet access, charged separately.   |
| 224       | OEW Port - 1500M | 96776                       | OEW Port – Requires Ethernet access, charged separately.   |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|------------------|-----------------------------|---|
| 225       | OEW Port - 2000M | 96778                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 226       | OEW Port - 2500M | 96780                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 227       | OEW Port - 3000M | 96782                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 228       | OEW Port - 3500M | 96784                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 229       | OEW Port - 4000M | 96786                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 230       | OEW Port - 4500M | 96788                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 231       | OEW Port - 5000M | 96790                       | OEW Port – Requires Ethernet access, charged separately. (InterState)                   |
| 232       | OEW Port - 5500M | 96792                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 233       | OEW Port - 6000M | 96794                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 234       | OEW Port - 6500M | 96796                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 235       | OEW Port - 7000M | 96798                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 236       | OEW Port - 7500M | 96800                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 237       | OEW Port - 8000M | 96802                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 238       | OEW Port - 8500M | 96804                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 239       | OEW Port - 9000M | 96806                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 240       | OEW Port - 9500M | 96808                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 241       | OEW Port - 10G   | 96810                       | OEW Port – Requires Ethernet access, charged separately.                                |
| 242       | OEW COS 1 - 0.5M | OW101                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|------------------|-----------------------------|---|
| 243       | OEW COS 1 - 1M   | OW102                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 244       | OEW COS 1 - 1.5M | OW103                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 245       | OEW COS 1 - 2M   | OW104                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 246       | OEW COS 1 - 3M   | OW105                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 247       | OEW COS 1 - 4M   | OW106                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 248       | OEW COS 1 - 5M   | OW107                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 249       | OEW COS 1 - 6M   | OW108                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 250       | OEW COS 1 - 7M   | OW109                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 251       | OEW COS 1 - 8M   | OW110                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 252       | OEW COS 1 - 9M   | OW111                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|------------------|-----------------------------|---|
| 253       | OEWS COS 1 - 10M | OW112                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 254       | OEWS COS 1 - 11M | OW113                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 255       | OEWS COS 1 - 12M | OW114                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 256       | OEWS COS 1 - 13M | OW115                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 257       | OEWS COS 1 - 14M | OW116                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 258       | OEWS COS 1 - 15M | OW117                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 259       | OEWS COS 1 - 16M | OW118                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 260       | OEWS COS 1 - 17M | OW119                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 261       | OEWS COS 1 - 18M | OW120                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 262       | OEWS COS 1 - 19M | OW121                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|------------------|-----------------------------|---|
| 263       | OEW COS 1 - 20M  | OW122                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 264       | OEW COS 1 - 30M  | OW123                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 265       | OEW COS 1 - 40M  | OW124                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 266       | OEW COS 1 - 50M  | OW125                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 267       | OEW COS 1 - 60M  | OW126                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 268       | OEW COS 1 - 70M  | OW127                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 269       | OEW COS 1 - 80M  | OW128                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 270       | OEW COS 1 - 90M  | OW129                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 271       | OEW COS 1 - 100M | OW130                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 272       | OEW COS 1 - 150M | OW131                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |



| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|-------------------|-----------------------------|---|
| 273       | OEWS COS 1 - 200M | OW132                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 274       | OEWS COS 1 - 250M | OW133                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 275       | OEWS COS 1 - 300M | OW134                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 276       | OEWS COS 1 - 350M | OW135                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 277       | OEWS COS 1 - 400M | OW136                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 278       | OEWS COS 1 - 450M | OW137                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 279       | OEWS COS 1 - 500M | OW138                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 280       | OEWS COS 1 - 550M | OW139                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 281       | OEWS COS 1 - 600M | OW140                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 282       | OEWS COS 1 - 650M | OW141                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|--------------------|-----------------------------|---|
| 283       | OEWS COS 1 - 700M  | OW142                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 284       | OEWS COS 1 - 750M  | OW143                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 285       | OEWS COS 1 - 800M  | OW144                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 286       | OEWS COS 1 - 850M  | OW145                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 287       | OEWS COS 1 - 900M  | OW146                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 288       | OEWS COS 1 - 950M  | OW147                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 289       | OEWS COS 1 - 1G    | OW148                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 290       | OEWS COS 1 - 1500M | OW149                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 291       | OEWS COS 1 - 2000M | OW150                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 292       | OEWS COS 1 - 2500M | OW151                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                              |
|-----------|-------------------|-----------------------------|---|
| 293       | OEW COS 1 - 3000M | OW152                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 294       | OEW COS 1 - 3500M | OW153                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 295       | OEW COS 1 - 4000M | OW154                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 296       | OEW COS 1 - 4500M | OW155                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 297       | OEW COS 1 - 5000M | OW156                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 298       | OEW COS 1 - 5500M | OW157                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 299       | OEW COS 1 - 6000M | OW158                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 300       | OEW COS 1 - 6500M | OW159                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 301       | OEW COS 1 - 7000M | OW160                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |
| 302       | OEW COS 1 - 7500M | OW161                       | Real Time - Designed for jitter and latency sensitive application like voice and video. |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
| 303       | OEWS COS 1 - 8000M | OW162                       | Real Time - Designed for jitter and latency sensitive application like voice and video.   |
| 304       | OEWS COS 1 - 8500M | OW163                       | Real Time - Designed for jitter and latency sensitive application like voice and video.   |
| 305       | OEWS COS 1 - 9000M | OW164                       | Real Time - Designed for jitter and latency sensitive application like voice and video.   |
| 306       | OEWS COS 1 - 9500M | OW165                       | Real Time - Designed for jitter and latency sensitive application like voice and video.   |
| 307       | OEWS COS 1 - 10G   | OW166                       | Real Time - Designed for jitter and latency sensitive application like voice and video.   |
| 308       | OEWS COS 2V - 0.5M | OWV01                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 309       | OEWS COS 2V - 1M   | OWV02                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 310       | OEWS COS 2V - 1.5M | OWV03                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 311       | OEWS COS 2V - 2M   | OWV04                       | Interactive - Designed to carry very high priority business   |

| Line Item | Feature Name    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------|-----------------------------|---|
|           |                 |                             | applications or may carry jitter sensitive applications like video when CoS1 is already in use.   |
| 312       | OEW COS 2V - 3M | OWV05                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 313       | OEW COS 2V - 4M | OWV06                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 314       | OEW COS 2V - 5M | OWV07                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 315       | OEW COS 2V - 6M | OWV08                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 316       | OEW COS 2V - 7M | OWV09                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 317       | OEW COS 2V - 8M | OWV10                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------|-----------------------------|---|
| 318       | OEW COS 2V - 9M  | OWV11                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 319       | OEW COS 2V - 10M | OWV12                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 320       | OEW COS 2V - 11M | OWV13                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 321       | OEW COS 2V - 12M | OWV14                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 322       | OEW COS 2V - 13M | OWV15                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 323       | OEW COS 2V - 14M | OWV16                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 324       | OEW COS 2V - 15M | OWV17                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like                                    |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------|-----------------------------|---|
|           |                  |                             | video when CoS1 is already in use.  |
| 325       | OEW COS 2V - 16M | OWV18                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 326       | OEW COS 2V - 17M | OWV19                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 327       | OEW COS 2V - 18M | OWV20                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 328       | OEW COS 2V - 19M | OWV21                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 329       | OEW COS 2V - 20M | OWV22                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 330       | OEW COS 2V - 30M | OWV23                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |

| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------|-----------------------------|---|
| 331       | OEW COS 2V - 40M  | OWV24                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 332       | OEW COS 2V - 50M  | OWV25                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 333       | OEW COS 2V - 60M  | OWV26                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 334       | OEW COS 2V - 70M  | OWV27                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 335       | OEW COS 2V - 80M  | OWV28                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 336       | OEW COS 2V - 90M  | OWV29                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 337       | OEW COS 2V - 100M | OWV30                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like                                    |



| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------|-----------------------------|---|
|           |                   |                             | video when CoS1 is already in use.  |
| 338       | OEW COS 2V - 150M | OWV31                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 339       | OEW COS 2V - 200M | OWV32                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 340       | OEW COS 2V - 250M | OWV33                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 341       | OEW COS 2V - 300M | OWV34                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 342       | OEW COS 2V - 350M | OWV35                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 343       | OEW COS 2V - 400M | OWV36                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |

| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------|-----------------------------|---|
| 344       | OEW COS 2V - 450M | OWV37                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 345       | OEW COS 2V - 500M | OWV38                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 346       | OEW COS 2V - 550M | OWV39                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 347       | OEW COS 2V - 600M | OWV40                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 348       | OEW COS 2V - 650M | OWV41                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 349       | OEW COS 2V - 700M | OWV42                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 350       | OEW COS 2V - 750M | OWV43                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like                                    |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
|           |                    |                             | video when CoS1 is already in use.  |
| 351       | OEW COS 2V - 800M  | OWV44                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 352       | OEW COS 2V - 850M  | OWV45                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 353       | OEW COS 2V - 900M  | OWV46                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 354       | OEW COS 2V - 950M  | OWV47                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 355       | OEW COS 2V - 1G    | OWV48                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 356       | OEW COS 2V - 1500M | OWV49                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
| 357       | OEW COS 2V - 2000M | OWV50                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 358       | OEW COS 2V - 2500M | OWV51                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 359       | OEW COS 2V - 3000M | OWV52                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 360       | OEW COS 2V - 3500M | OWV53                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 361       | OEW COS 2V - 4000M | OWV54                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 362       | OEW COS 2V - 4500M | OWV55                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 363       | OEW COS 2V - 5000M | OWV56                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like                                    |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
|           |                    |                             | video when CoS1 is already in use.  |
| 364       | OEW COS 2V - 5500M | OWV57                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 365       | OEW COS 2V - 6000M | OWV58                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 366       | OEW COS 2V - 6500M | OWV59                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 367       | OEW COS 2V - 7000M | OWV60                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 368       | OEW COS 2V - 7500M | OWV61                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 369       | OEW COS 2V - 8000M | OWV62                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
| 370       | OEW COS 2V - 8500M | OWV63                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 371       | OEW COS 2V - 9000M | OWV64                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 372       | OEW COS 2V - 9500M | OWV65                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 373       | OEW COS 2V - 10G   | OWV66                       | Interactive - Designed to carry very high priority business applications or may carry jitter sensitive applications like video when CoS1 is already in use. |
| 374       | OEW COS 2- 0.5M    | OW201                       | Business Critical High - Designed to carry highest priority business applications.  |
| 375       | OEW COS 2- 1M      | OW202                       | Business Critical High - Designed to carry highest priority business applications.  |
| 376       | OEW COS 2- 1.5M    | OW203                       | Business Critical High - Designed to carry highest priority business applications.  |
| 377       | OEW COS 2- 2M      | OW204                       | Business Critical High - Designed to carry highest priority business applications.  |
| 378       | OEW COS 2- 3M      | OW205                       | Business Critical High - Designed to carry highest priority business applications.  |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                         |
|-----------|---------------|-----------------------------|--|
| 379       | OEW COS 2-4M  | OW206                       | Business Critical High - Designed to carry highest priority business applications. |
| 380       | OEW COS 2-5M  | OW207                       | Business Critical High - Designed to carry highest priority business applications. |
| 381       | OEW COS 2-6M  | OW208                       | Business Critical High - Designed to carry highest priority business applications. |
| 382       | OEW COS 2-7M  | OW209                       | Business Critical High - Designed to carry highest priority business applications. |
| 383       | OEW COS 2-8M  | OW210                       | Business Critical High - Designed to carry highest priority business applications. |
| 384       | OEW COS 2-9M  | OW211                       | Business Critical High - Designed to carry highest priority business applications. |
| 385       | OEW COS 2-10M | OW212                       | Business Critical High - Designed to carry highest priority business applications. |
| 386       | OEW COS 2-11M | OW213                       | Business Critical High - Designed to carry highest priority business applications. |
| 387       | OEW COS 2-12M | OW214                       | Business Critical High - Designed to carry highest priority business applications. |
| 388       | OEW COS 2-13M | OW215                       | Business Critical High - Designed to carry highest priority business applications. |
| 389       | OEW COS 2-14M | OW216                       | Business Critical High - Designed to carry highest priority business applications. |
| 390       | OEW COS 2-15M | OW217                       | Business Critical High - Designed to carry highest priority business applications. |
| 391       | OEW COS 2-16M | OW218                       | Business Critical High - Designed to carry highest priority business applications. |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                         |
|-----------|----------------|-----------------------------|--|
| 392       | OEW COS 2-17M  | OW219                       | Business Critical High - Designed to carry highest priority business applications. |
| 393       | OEW COS 2-18M  | OW220                       | Business Critical High - Designed to carry highest priority business applications. |
| 394       | OEW COS 2-19M  | OW221                       | Business Critical High - Designed to carry highest priority business applications. |
| 395       | OEW COS 2-20M  | OW222                       | Business Critical High - Designed to carry highest priority business applications. |
| 396       | OEW COS 2-30M  | OW223                       | Business Critical High - Designed to carry highest priority business applications. |
| 397       | OEW COS 2-40M  | OW224                       | Business Critical High - Designed to carry highest priority business applications. |
| 398       | OEW COS 2-50M  | OW225                       | Business Critical High - Designed to carry highest priority business applications. |
| 399       | OEW COS 2-60M  | OW226                       | Business Critical High - Designed to carry highest priority business applications. |
| 400       | OEW COS 2-70M  | OW227                       | Business Critical High - Designed to carry highest priority business applications. |
| 401       | OEW COS 2-80M  | OW228                       | Business Critical High - Designed to carry highest priority business applications. |
| 402       | OEW COS 2-90M  | OW229                       | Business Critical High - Designed to carry highest priority business applications. |
| 403       | OEW COS 2-100M | OW230                       | Business Critical High - Designed to carry highest priority business applications. |
| 404       | OEW COS 2-150M | OW231                       | Business Critical High - Designed to carry highest priority business applications. |



| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                         |
|-----------|----------------|-----------------------------|--|
| 405       | OEW COS 2-200M | OW232                       | Business Critical High - Designed to carry highest priority business applications. |
| 406       | OEW COS 2-250M | OW233                       | Business Critical High - Designed to carry highest priority business applications. |
| 407       | OEW COS 2-300M | OW234                       | Business Critical High - Designed to carry highest priority business applications. |
| 408       | OEW COS 2-350M | OW235                       | Business Critical High - Designed to carry highest priority business applications. |
| 409       | OEW COS 2-400M | OW236                       | Business Critical High - Designed to carry highest priority business applications. |
| 410       | OEW COS 2-450M | OW237                       | Business Critical High - Designed to carry highest priority business applications. |
| 411       | OEW COS 2-500M | OW238                       | Business Critical High - Designed to carry highest priority business applications. |
| 412       | OEW COS 2-550M | OW239                       | Business Critical High - Designed to carry highest priority business applications. |
| 413       | OEW COS 2-600M | OW240                       | Business Critical High - Designed to carry highest priority business applications. |
| 414       | OEW COS 2-650M | OW241                       | Business Critical High - Designed to carry highest priority business applications. |
| 415       | OEW COS 2-700M | OW242                       | Business Critical High - Designed to carry highest priority business applications. |
| 416       | OEW COS 2-750M | OW243                       | Business Critical High - Designed to carry highest priority business applications. |
| 417       | OEW COS 2-800M | OW244                       | Business Critical High - Designed to carry highest priority business applications. |

| Line Item | Feature Name    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                         |
|-----------|-----------------|-----------------------------|--|
| 418       | OEW COS 2-850M  | OW245                       | Business Critical High - Designed to carry highest priority business applications. |
| 419       | OEW COS 2-900M  | OW246                       | Business Critical High - Designed to carry highest priority business applications. |
| 420       | OEW COS 2-950M  | OW247                       | Business Critical High - Designed to carry highest priority business applications. |
| 421       | OEW COS 2- 1G   | OW248                       | Business Critical High - Designed to carry highest priority business applications. |
| 422       | OEW COS 2-1500M | OW249                       | Business Critical High - Designed to carry highest priority business applications. |
| 423       | OEW COS 2-2000M | OW250                       | Business Critical High - Designed to carry highest priority business applications. |
| 424       | OEW COS 2-2500M | OW251                       | Business Critical High - Designed to carry highest priority business applications. |
| 425       | OEW COS 2-3000M | OW252                       | Business Critical High - Designed to carry highest priority business applications. |
| 426       | OEW COS 2-3500M | OW253                       | Business Critical High - Designed to carry highest priority business applications. |
| 427       | OEW COS 2-4000M | OW254                       | Business Critical High - Designed to carry highest priority business applications. |
| 428       | OEW COS 2-4500M | OW255                       | Business Critical High - Designed to carry highest priority business applications. |
| 429       | OEW COS 2-5000M | OW256                       | Business Critical High - Designed to carry highest priority business applications. |
| 430       | OEW COS 2-5500M | OW257                       | Business Critical High - Designed to carry highest priority business applications. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                         |
|-----------|------------------|-----------------------------|--|
| 431       | OEW COS 2-6000M  | OW258                       | Business Critical High - Designed to carry highest priority business applications. |
| 432       | OEW COS 2-6500M  | OW259                       | Business Critical High - Designed to carry highest priority business applications. |
| 433       | OEW COS 2-7000M  | OW260                       | Business Critical High - Designed to carry highest priority business applications. |
| 434       | OEW COS 2-7500M  | OW261                       | Business Critical High - Designed to carry highest priority business applications. |
| 435       | OEW COS 2-8000M  | OW262                       | Business Critical High - Designed to carry highest priority business applications. |
| 436       | OEW COS 2-8500M  | OW263                       | Business Critical High - Designed to carry highest priority business applications. |
| 437       | OEW COS 2-9000M  | OW264                       | Business Critical High - Designed to carry highest priority business applications. |
| 438       | OEW COS 2-9500M  | OW265                       | Business Critical High - Designed to carry highest priority business applications. |
| 439       | OEW COS 2-10G    | OW266                       | Business Critical High - Designed to carry highest priority business applications. |
| 440       | OEW COS 3 - 0.5M | OW301                       | Business Critical Medium - Designed to carry high priority business applications.  |
| 441       | OEW COS 3 - 1M   | OW302                       | Business Critical Medium - Designed to carry high priority business applications.  |
| 442       | OEW COS 3 - 1.5M | OW303                       | Business Critical Medium - Designed to carry high priority business applications.  |
| 443       | OEW COS 3 - 2M   | OW304                       | Business Critical Medium - Designed to carry high priority business applications.  |

| Line Item | Feature Name    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                        |
|-----------|-----------------|-----------------------------|---|
| 444       | OEW COS 3 - 3M  | OW305                       | Business Critical Medium - Designed to carry high priority business applications. |
| 445       | OEW COS 3 - 4M  | OW306                       | Business Critical Medium - Designed to carry high priority business applications. |
| 446       | OEW COS 3 - 5M  | OW307                       | Business Critical Medium - Designed to carry high priority business applications. |
| 447       | OEW COS 3 - 6M  | OW308                       | Business Critical Medium - Designed to carry high priority business applications. |
| 448       | OEW COS 3 - 7M  | OW309                       | Business Critical Medium - Designed to carry high priority business applications. |
| 449       | OEW COS 3 - 8M  | OW310                       | Business Critical Medium - Designed to carry high priority business applications. |
| 450       | OEW COS 3 - 9M  | OW311                       | Business Critical Medium - Designed to carry high priority business applications. |
| 451       | OEW COS 3 - 10M | OW312                       | Business Critical Medium - Designed to carry high priority business applications. |
| 452       | OEW COS 3 - 11M | OW313                       | Business Critical Medium - Designed to carry high priority business applications. |
| 453       | OEW COS 3 - 12M | OW314                       | Business Critical Medium - Designed to carry high priority business applications. |
| 454       | OEW COS 3 - 13M | OW315                       | Business Critical Medium - Designed to carry high priority business applications. |
| 455       | OEW COS 3 - 14M | OW316                       | Business Critical Medium - Designed to carry high priority business applications. |
| 456       | OEW COS 3 - 15M | OW317                       | Business Critical Medium - Designed to carry high priority business applications. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                        |
|-----------|------------------|-----------------------------|---|
| 457       | OEW COS 3 - 16M  | OW318                       | Business Critical Medium - Designed to carry high priority business applications. |
| 458       | OEW COS 3 - 17M  | OW319                       | Business Critical Medium - Designed to carry high priority business applications. |
| 459       | OEW COS 3 - 18M  | OW320                       | Business Critical Medium - Designed to carry high priority business applications. |
| 460       | OEW COS 3 - 19M  | OW321                       | Business Critical Medium - Designed to carry high priority business applications. |
| 461       | OEW COS 3 - 20M  | OW322                       | Business Critical Medium - Designed to carry high priority business applications. |
| 462       | OEW COS 3 - 30M  | OW323                       | Business Critical Medium - Designed to carry high priority business applications. |
| 463       | OEW COS 3 - 40M  | OW324                       | Business Critical Medium - Designed to carry high priority business applications. |
| 464       | OEW COS 3 - 50M  | OW325                       | Business Critical Medium - Designed to carry high priority business applications. |
| 465       | OEW COS 3 - 60M  | OW326                       | Business Critical Medium - Designed to carry high priority business applications. |
| 466       | OEW COS 3 - 70M  | OW327                       | Business Critical Medium - Designed to carry high priority business applications. |
| 467       | OEW COS 3 - 80M  | OW328                       | Business Critical Medium - Designed to carry high priority business applications. |
| 468       | OEW COS 3 - 90M  | OW329                       | Business Critical Medium - Designed to carry high priority business applications. |
| 469       | OEW COS 3 - 100M | OW330                       | Business Critical Medium - Designed to carry high priority business applications. |

| Line Item | Feature Name     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                        |
|-----------|------------------|-----------------------------|---|
| 470       | OEW COS 3 - 150M | OW331                       | Business Critical Medium - Designed to carry high priority business applications. |
| 471       | OEW COS 3 - 200M | OW332                       | Business Critical Medium - Designed to carry high priority business applications. |
| 472       | OEW COS 3 - 250M | OW333                       | Business Critical Medium - Designed to carry high priority business applications. |
| 473       | OEW COS 3 - 300M | OW334                       | Business Critical Medium - Designed to carry high priority business applications. |
| 474       | OEW COS 3 - 350M | OW335                       | Business Critical Medium - Designed to carry high priority business applications. |
| 475       | OEW COS 3 - 400M | OW336                       | Business Critical Medium - Designed to carry high priority business applications. |
| 476       | OEW COS 3 - 450M | OW337                       | Business Critical Medium - Designed to carry high priority business applications. |
| 477       | OEW COS 3 - 500M | OW338                       | Business Critical Medium - Designed to carry high priority business applications. |
| 478       | OEW COS 3 - 550M | OW339                       | Business Critical Medium - Designed to carry high priority business applications. |
| 479       | OEW COS 3 - 600M | OW340                       | Business Critical Medium - Designed to carry high priority business applications. |
| 480       | OEW COS 3 - 650M | OW341                       | Business Critical Medium - Designed to carry high priority business applications. |
| 481       | OEW COS 3 - 700M | OW342                       | Business Critical Medium - Designed to carry high priority business applications. |
| 482       | OEW COS 3 - 750M | OW343                       | Business Critical Medium - Designed to carry high priority business applications. |

| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                        |
|-----------|-------------------|-----------------------------|---|
| 483       | OEW COS 3 - 800M  | OW344                       | Business Critical Medium - Designed to carry high priority business applications. |
| 484       | OEW COS 3 - 850M  | OW345                       | Business Critical Medium - Designed to carry high priority business applications. |
| 485       | OEW COS 3 - 900M  | OW346                       | Business Critical Medium - Designed to carry high priority business applications. |
| 486       | OEW COS 3 - 950M  | OW347                       | Business Critical Medium - Designed to carry high priority business applications. |
| 487       | OEW COS 3 - 1G    | OW348                       | Business Critical Medium - Designed to carry high priority business applications. |
| 488       | OEW COS 3 - 1500M | OW349                       | Business Critical Medium - Designed to carry high priority business applications. |
| 489       | OEW COS 3 - 2000M | OW350                       | Business Critical Medium - Designed to carry high priority business applications. |
| 490       | OEW COS 3 - 2500M | OW351                       | Business Critical Medium - Designed to carry high priority business applications. |
| 491       | OEW COS 3 - 3000M | OW352                       | Business Critical Medium - Designed to carry high priority business applications. |
| 492       | OEW COS 3 - 3500M | OW353                       | Business Critical Medium - Designed to carry high priority business applications. |
| 493       | OEW COS 3 - 4000M | OW354                       | Business Critical Medium - Designed to carry high priority business applications. |
| 494       | OEW COS 3 - 4500M | OW355                       | Business Critical Medium - Designed to carry high priority business applications. |
| 495       | OEW COS 3 - 5000M | OW356                       | Business Critical Medium - Designed to carry high priority business applications. |



| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------|-----------------------------|---|
| 496       | OEW COS 3 - 5500M      | OW357                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 497       | OEW COS 3 - 6000M      | OW358                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 498       | OEW COS 3 - 6500M      | OW359                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 499       | OEW COS 3 - 7000M      | OW360                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 500       | OEW COS 3 - 7500M      | OW361                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 501       | OEW COS 3 - 8000M      | OW362                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 502       | OEW COS 3 - 8500M      | OW363                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 503       | OEW COS 3 - 9000M      | OW364                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 504       | OEW COS 3 - 9500M      | OW365                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 505       | OEW COS 3 - 10G        | OW366                       | Business Critical Medium - Designed to carry high priority business applications.   |
| 506       | OEW PPCoS (MMH) - 0.5M | OW501                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 507       | OEW PPCoS (MMH) - 1M   | OW502                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |



| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------|-----------------------------|---|
| 508       | OEW PPCoS (MMH) - 1.5M | OW503                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 509       | OEW PPCoS (MMH) - 2M   | OW504                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 510       | OEW PPCoS (MMH) - 3M   | OW505                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 511       | OEW PPCoS (MMH) - 4M   | OW506                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 512       | OEW PPCoS (MMH) - 5M   | OW507                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 513       | OEW PPCoS (MMH) - 6M   | OW508                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 514       | OEW PPCoS (MMH) - 7M   | OW509                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 515       | OEW PPCoS (MMH) - 8M   | OW510                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------|-----------------------------|---|
| 516       | OEW PPCoS (MMH) - 9M  | OW511                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 517       | OEW PPCoS (MMH) - 10M | OW512                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 518       | OEW PPCoS (MMH) - 11M | OW513                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 519       | OEW PPCoS (MMH) - 12M | OW514                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 520       | OEW PPCoS (MMH) - 13M | OW515                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 521       | OEW PPCoS (MMH) - 14M | OW516                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 522       | OEW PPCoS (MMH) - 15M | OW517                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 523       | OEW PPCoS (MMH) - 16M | OW518                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------|-----------------------------|---|
| 524       | OEW PPCoS (MMH) - 17M | OW519                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 525       | OEW PPCoS (MMH) - 18M | OW520                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 526       | OEW PPCoS (MMH) - 19M | OW521                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 527       | OEW PPCoS (MMH) - 20M | OW522                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 528       | OEW PPCoS (MMH) - 30M | OW523                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 529       | OEW PPCoS (MMH) - 40M | OW524                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 530       | OEW PPCoS (MMH) - 50M | OW525                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 531       | OEW PPCoS (MMH) - 60M | OW526                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------|-----------------------------|---|
| 532       | OEW PPCoS (MMH) - 70M  | OW527                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 533       | OEW PPCoS (MMH) - 80M  | OW528                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 534       | OEW PPCoS (MMH) - 90M  | OW529                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 535       | OEW PPCoS (MMH) - 100M | OW530                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 536       | OEW PPCoS (MMH) - 150M | OW531                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 537       | OEW PPCoS (MMH) - 200M | OW532                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 538       | OEW PPCoS (MMH) - 250M | OW533                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 539       | OEW PPCoS (MMH) - 300M | OW534                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------|-----------------------------|---|
| 540       | OEW PPCoS (MMH) - 350M | OW535                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 541       | OEW PPCoS (MMH) - 400M | OW536                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 542       | OEW PPCoS (MMH) - 450M | OW537                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 543       | OEW PPCoS (MMH) - 500M | OW538                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 544       | OEW PPCoS (MMH) - 550M | OW539                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 545       | OEW PPCoS (MMH) - 600M | OW540                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 546       | OEW PPCoS (MMH) - 650M | OW541                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 547       | OEW PPCoS (MMH) - 700M | OW542                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
| 548       | OEW PPCoS (MMH) - 750M  | OW543                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 549       | OEW PPCoS (MMH) - 800M  | OW544                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 550       | OEW PPCoS (MMH) - 850M  | OW545                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 551       | OEW PPCoS (MMH) - 900M  | OW546                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 552       | OEW PPCoS (MMH) - 950M  | OW547                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 553       | OEW PPCoS (MMH) - 1G    | OW548                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 554       | OEW PPCoS (MMH) - 1500M | OW549                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 555       | OEW PPCoS (MMH) - 2000M | OW550                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
| 556       | OEW PPCoS (MMH) - 2500M | OW551                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 557       | OEW PPCoS (MMH) - 3000M | OW552                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 558       | OEW PPCoS (MMH) - 3500M | OW553                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 559       | OEW PPCoS (MMH) - 4000M | OW554                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 560       | OEW PPCoS (MMH) - 4500M | OW555                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 561       | OEW PPCoS (MMH) - 5000M | OW556                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 562       | OEW PPCoS (MMH) - 5500M | OW557                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 563       | OEW PPCoS (MMH) - 6000M | OW558                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
| 564       | OEW PPCoS (MMH) - 6500M | OW559                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 565       | OEW PPCoS (MMH) - 7000M | OW560                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 566       | OEW PPCoS (MMH) - 7500M | OW561                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 567       | OEW PPCoS (MMH) - 8000M | OW562                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 568       | OEW PPCoS (MMH) - 8500M | OW563                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 569       | OEW PPCoS (MMH) - 9000M | OW564                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 570       | OEW PPCoS (MMH) - 9500M | OW565                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |
| 571       | OEW PPCoS (MMH) - 10G   | OW566                       | PPCoS - Multimedia High - Designed to carry highest priority business applications or may carry jitter sensitive applications like video. |



| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------|-----------------------------|--|
| 572       | OEW PPCoS (MMS) - 0.5M | OW601                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 573       | OEW PPCoS (MMS) - 1M   | OW602                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 574       | OEW PPCoS (MMS) - 1.5M | OW603                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 575       | OEW PPCoS (MMS) - 2M   | OW604                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 576       | OEW PPCoS (MMS) - 3M   | OW605                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 577       | OEW PPCoS (MMS) - 4M   | OW606                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 578       | OEW PPCoS (MMS) - 5M   | OW607                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 579       | OEW PPCoS (MMS) - 6M   | OW608                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-----------------------|-----------------------------|--|
| 580       | OEW PPCoS (MMS) - 7M  | OW609                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 581       | OEW PPCoS (MMS) - 8M  | OW610                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 582       | OEW PPCoS (MMS) - 9M  | OW611                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 583       | OEW PPCoS (MMS) - 10M | OW612                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 584       | OEW PPCoS (MMS) - 11M | OW613                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 585       | OEW PPCoS (MMS) - 12M | OW614                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 586       | OEW PPCoS (MMS) - 13M | OW615                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 587       | OEW PPCoS (MMS) - 14M | OW616                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-----------------------|-----------------------------|--|
| 588       | OEW PPCoS (MMS) - 15M | OW617                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 589       | OEW PPCoS (MMS) - 16M | OW618                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 590       | OEW PPCoS (MMS) - 17M | OW619                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 591       | OEW PPCoS (MMS) - 18M | OW620                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 592       | OEW PPCoS (MMS) - 19M | OW621                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 593       | OEW PPCoS (MMS) - 20M | OW622                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 594       | OEW PPCoS (MMS) - 30M | OW623                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 595       | OEW PPCoS (MMS) - 40M | OW624                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------|-----------------------------|--|
| 596       | OEW PPCoS (MMS) - 50M  | OW625                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 597       | OEW PPCoS (MMS) - 60M  | OW626                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 598       | OEW PPCoS (MMS) - 70M  | OW627                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 599       | OEW PPCoS (MMS) - 80M  | OW628                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 600       | OEW PPCoS (MMS) - 90M  | OW629                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 601       | OEW PPCoS (MMS) - 100M | OW630                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 602       | OEW PPCoS (MMS) - 150M | OW631                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 603       | OEW PPCoS (MMS) - 200M | OW632                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------|-----------------------------|--|
| 604       | OEW PPCoS (MMS) - 250M | OW633                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 605       | OEW PPCoS (MMS) - 300M | OW634                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 606       | OEW PPCoS (MMS) - 350M | OW635                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 607       | OEW PPCoS (MMS) - 400M | OW636                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 608       | OEW PPCoS (MMS) - 450M | OW637                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 609       | OEW PPCoS (MMS) - 500M | OW638                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 610       | OEW PPCoS (MMS) - 550M | OW639                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 611       | OEW PPCoS (MMS) - 600M | OW640                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------|-----------------------------|--|
| 612       | OEW PPCoS (MMS) - 650M | OW641                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 613       | OEW PPCoS (MMS) - 700M | OW642                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 614       | OEW PPCoS (MMS) - 750M | OW643                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 615       | OEW PPCoS (MMS) - 800M | OW644                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 616       | OEW PPCoS (MMS) - 850M | OW645                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 617       | OEW PPCoS (MMS) - 900M | OW646                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 618       | OEW PPCoS (MMS) - 950M | OW647                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 619       | OEW PPCoS (MMS) - 1G   | OW648                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------|-----------------------------|--|
| 620       | OEW PPCoS (MMS) - 1500M | OW649                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 621       | OEW PPCoS (MMS) - 2000M | OW650                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 622       | OEW PPCoS (MMS) - 2500M | OW651                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 623       | OEW PPCoS (MMS) - 3000M | OW652                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 624       | OEW PPCoS (MMS) - 3500M | OW653                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 625       | OEW PPCoS (MMS) - 4000M | OW654                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 626       | OEW PPCoS (MMS) - 4500M | OW655                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 627       | OEW PPCoS (MMS) - 5000M | OW656                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |



| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------|-----------------------------|--|
| 628       | OEW PPCoS (MMS) - 5500M | OW657                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 629       | OEW PPCoS (MMS) - 6000M | OW658                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 630       | OEW PPCoS (MMS) - 6500M | OW659                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 631       | OEW PPCoS (MMS) - 7000M | OW660                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 632       | OEW PPCoS (MMS) - 7500M | OW661                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 633       | OEW PPCoS (MMS) - 8000M | OW662                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 634       | OEW PPCoS (MMS) - 8500M | OW663                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 635       | OEW PPCoS (MMS) - 9000M | OW664                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |



| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------|-----------------------------|--|
| 636       | OEW PPCoS (MMS) - 9500M | OW665                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 637       | OEW PPCoS (MMS) - 10G   | OW666                       | PPCoS - Multimedia Standard - Designed to carry high priority business applications or may carry jitter sensitive applications like video. |
| 638       | OEW PPCoS (CD) - 0.5M   | OW701                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 639       | OEW PPCoS (CD) - 1M     | OW702                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 640       | OEW PPCoS (CD) - 1.5M   | OW703                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 641       | OEW PPCoS (CD) - 2M     | OW704                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 642       | OEW PPCoS (CD) - 3M     | OW705                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 643       | OEW PPCoS (CD) - 4M     | OW706                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 644       | OEW PPCoS (CD) - 5M     | OW707                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 645       | OEW PPCoS (CD) - 6M     | OW708                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 646       | OEW PPCoS (CD) - 7M     | OW709                       | PPCoS – Critical Data - Designed to carry critical business applications.  |
| 647       | OEW PPCoS (CD) - 8M     | OW710                       | PPCoS – Critical Data - Designed to carry critical business applications.  |

| Line Item | Feature Name         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                |
|-----------|----------------------|-----------------------------|---|
| 648       | OEW PPCoS (CD) - 9M  | OW711                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 649       | OEW PPCoS (CD) - 10M | OW712                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 650       | OEW PPCoS (CD) - 11M | OW713                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 651       | OEW PPCoS (CD) - 12M | OW714                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 652       | OEW PPCoS (CD) - 13M | OW715                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 653       | OEW PPCoS (CD) - 14M | OW716                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 654       | OEW PPCoS (CD) - 15M | OW717                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 655       | OEW PPCoS (CD) - 16M | OW718                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 656       | OEW PPCoS (CD) - 17M | OW719                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 657       | OEW PPCoS (CD) - 18M | OW720                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 658       | OEW PPCoS (CD) - 19M | OW721                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 659       | OEW PPCoS (CD) - 20M | OW722                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 660       | OEW PPCoS (CD) - 30M | OW723                       | PPCoS – Critical Data - Designed to carry critical business applications. |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                |
|-----------|-----------------------|-----------------------------|---|
| 661       | OEW PPCoS (CD) - 40M  | OW724                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 662       | OEW PPCoS (CD) - 50M  | OW725                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 663       | OEW PPCoS (CD) - 60M  | OW726                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 664       | OEW PPCoS (CD) - 70M  | OW727                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 665       | OEW PPCoS (CD) - 80M  | OW728                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 666       | OEW PPCoS (CD) - 90M  | OW729                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 667       | OEW PPCoS (CD) - 100M | OW730                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 668       | OEW PPCoS (CD) - 150M | OW731                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 669       | OEW PPCoS (CD) - 200M | OW732                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 670       | OEW PPCoS (CD) - 250M | OW733                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 671       | OEW PPCoS (CD) - 300M | OW734                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 672       | OEW PPCoS (CD) - 350M | OW735                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 673       | OEW PPCoS (CD) - 400M | OW736                       | PPCoS – Critical Data - Designed to carry critical business applications. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                |
|-----------|------------------------|-----------------------------|---|
| 674       | OEW PPCoS (CD) - 450M  | OW737                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 675       | OEW PPCoS (CD) - 500M  | OW738                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 676       | OEW PPCoS (CD) - 550M  | OW739                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 677       | OEW PPCoS (CD) - 600M  | OW740                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 678       | OEW PPCoS (CD) - 650M  | OW741                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 679       | OEW PPCoS (CD) - 700M  | OW742                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 680       | OEW PPCoS (CD) - 750M  | OW743                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 681       | OEW PPCoS (CD) - 800M  | OW744                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 682       | OEW PPCoS (CD) - 850M  | OW745                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 683       | OEW PPCoS (CD) - 900M  | OW746                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 684       | OEW PPCoS (CD) - 950M  | OW747                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 685       | OEW PPCoS (CD) - 1G    | OW748                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 686       | OEW PPCoS (CD) - 1500M | OW749                       | PPCoS – Critical Data - Designed to carry critical business applications. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                |
|-----------|------------------------|-----------------------------|---|
| 687       | OEW PPCoS (CD) - 2000M | OW750                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 688       | OEW PPCoS (CD) - 2500M | OW751                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 689       | OEW PPCoS (CD) - 3000M | OW752                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 690       | OEW PPCoS (CD) - 3500M | OW753                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 691       | OEW PPCoS (CD) - 4000M | OW754                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 692       | OEW PPCoS (CD) - 4500M | OW755                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 693       | OEW PPCoS (CD) - 5000M | OW756                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 694       | OEW PPCoS (CD) - 5500M | OW757                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 695       | OEW PPCoS (CD) - 6000M | OW758                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 696       | OEW PPCoS (CD) - 6500M | OW759                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 697       | OEW PPCoS (CD) - 7000M | OW760                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 698       | OEW PPCoS (CD) - 7500M | OW761                       | PPCoS – Critical Data - Designed to carry critical business applications. |
| 699       | OEW PPCoS (CD) - 8000M | OW762                       | PPCoS – Critical Data - Designed to carry critical business applications. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                     |
|-----------|------------------------|-----------------------------|--|
| 700       | OEW PPCoS (CD) - 8500M | OW763                       | PPCoS – Critical Data - Designed to carry critical business applications.      |
| 701       | OEW PPCoS (CD) - 9000M | OW764                       | PPCoS – Critical Data - Designed to carry critical business applications.      |
| 702       | OEW PPCoS (CD) - 9500M | OW765                       | PPCoS – Critical Data - Designed to carry critical business applications.      |
| 703       | OEW PPCoS (CD) - 10G   | OW766                       | PPCoS – Critical Data - Designed to carry critical business applications.      |
| 704       | OEW PPCoS (BD) - 0.5M  | OW801                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 705       | OEW PPCoS (BD) - 1M    | OW802                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 706       | OEW PPCoS (BD) - 1.5M  | OW803                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 707       | OEW PPCoS (BD) - 2M    | OW804                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 708       | OEW PPCoS (BD) - 3M    | OW805                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 709       | OEW PPCoS (BD) - 4M    | OW806                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 710       | OEW PPCoS (BD) - 5M    | OW807                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 711       | OEW PPCoS (BD) - 6M    | OW808                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 712       | OEW PPCoS (BD) - 7M    | OW809                       | PPCoS – Business Data - Designed to carry high priority business applications. |

| <b>Line Item</b> | <b>Feature Name</b>  | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>              |
|------------------|----------------------|------------------------------------|--|
| 713              | OEW PPCoS (BD) - 8M  | OW810                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 714              | OEW PPCoS (BD) - 9M  | OW811                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 715              | OEW PPCoS (BD) - 10M | OW812                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 716              | OEW PPCoS (BD) - 11M | OW813                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 717              | OEW PPCoS (BD) - 12M | OW814                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 718              | OEW PPCoS (BD) - 13M | OW815                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 719              | OEW PPCoS (BD) - 14M | OW816                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 720              | OEW PPCoS (BD) - 15M | OW817                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 721              | OEW PPCoS (BD) - 16M | OW818                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 722              | OEW PPCoS (BD) - 17M | OW819                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 723              | OEW PPCoS (BD) - 18M | OW820                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 724              | OEW PPCoS (BD) - 19M | OW821                              | PPCoS – Business Data - Designed to carry high priority business applications. |
| 725              | OEW PPCoS (BD) - 20M | OW822                              | PPCoS – Business Data - Designed to carry high priority business applications. |



| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                     |
|-----------|-----------------------|-----------------------------|--|
| 726       | OEW PPCoS (BD) - 30M  | OW823                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 727       | OEW PPCoS (BD) - 40M  | OW824                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 728       | OEW PPCoS (BD) - 50M  | OW825                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 729       | OEW PPCoS (BD) - 60M  | OW826                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 730       | OEW PPCoS (BD) - 70M  | OW827                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 731       | OEW PPCoS (BD) - 80M  | OW828                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 732       | OEW PPCoS (BD) - 90M  | OW829                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 733       | OEW PPCoS (BD) - 100M | OW830                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 734       | OEW PPCoS (BD) - 150M | OW831                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 735       | OEW PPCoS (BD) - 200M | OW832                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 736       | OEW PPCoS (BD) - 250M | OW833                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 737       | OEW PPCoS (BD) - 300M | OW834                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 738       | OEW PPCoS (BD) - 350M | OW835                       | PPCoS – Business Data - Designed to carry high priority business applications. |



| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                     |
|-----------|-----------------------|-----------------------------|--|
| 739       | OEW PPCoS (BD) - 400M | OW836                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 740       | OEW PPCoS (BD) - 450M | OW837                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 741       | OEW PPCoS (BD) - 500M | OW838                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 742       | OEW PPCoS (BD) - 550M | OW839                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 743       | OEW PPCoS (BD) - 600M | OW840                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 744       | OEW PPCoS (BD) - 650M | OW841                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 745       | OEW PPCoS (BD) - 700M | OW842                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 746       | OEW PPCoS (BD) - 750M | OW843                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 747       | OEW PPCoS (BD) - 800M | OW844                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 748       | OEW PPCoS (BD) - 850M | OW845                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 749       | OEW PPCoS (BD) - 900M | OW846                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 750       | OEW PPCoS (BD) - 950M | OW847                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 751       | OEW PPCoS (BD) - 1G   | OW848                       | PPCoS – Business Data - Designed to carry high priority business applications. |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations                     |
|-----------|------------------------|-----------------------------|--|
| 752       | OEW PPCoS (BD) - 1500M | OW849                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 753       | OEW PPCoS (BD) - 2000M | OW850                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 754       | OEW PPCoS (BD) - 2500M | OW851                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 755       | OEW PPCoS (BD) - 3000M | OW852                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 756       | OEW PPCoS (BD) - 3500M | OW853                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 757       | OEW PPCoS (BD) - 4000M | OW854                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 758       | OEW PPCoS (BD) - 4500M | OW855                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 759       | OEW PPCoS (BD) - 5000M | OW856                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 760       | OEW PPCoS (BD) - 5500M | OW857                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 761       | OEW PPCoS (BD) - 6000M | OW858                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 762       | OEW PPCoS (BD) - 6500M | OW859                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 763       | OEW PPCoS (BD) - 7000M | OW860                       | PPCoS – Business Data - Designed to carry high priority business applications. |
| 764       | OEW PPCoS (BD) - 7500M | OW861                       | PPCoS – Business Data - Designed to carry high priority business applications. |

| Line Item | Feature Name                              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 765       | OEW PPCoS (BD) - 8000M                    | OW862                       | PPCoS – Business Data - Designed to carry high priority business applications.                     |
| 766       | OEW PPCoS (BD) - 8500M                    | OW863                       | PPCoS – Business Data - Designed to carry high priority business applications.                     |
| 767       | OEW PPCoS (BD) - 9000M                    | OW864                       | PPCoS – Business Data - Designed to carry high priority business applications.                     |
| 768       | OEW PPCoS (BD) - 9500M                    | OW865                       | PPCoS – Business Data - Designed to carry high priority business applications.                     |
| 769       | OEW PPCoS (BD) - 10G                      | OW866                       | PPCoS – Business Data - Designed to carry high priority business applications.                     |
| 770       | OPT-E-WAN Bandwidth Set-Up                | 80436                       | OPTEWAN Port Bandwidth Set-Up  |
| 771       | OEW CoS Service Establishment             | 80440                       | Class of Service Establishment   |
| 772       | OEW Additional MAC Addresses, EVCs, VLANs | 80443                       | Moves Adds and Changes for IP Addresses, Ethernet Virtual Channels and Virtual Local Area Networks |
| 773       | OEW Initial Service Order Change Charge   | 80444                       | Changes made to initial Service Orders   |
| 774       | OEW Service Order Cancellation            | 80445                       | Cancellation by customer of a Service Order before the ordered circuit has been installed.         |
| 775       | OEW Miscellaneous Change Charge           | 80446                       | Changes to Port or service configuration   |
| 776       | OPT-E-WAN Site Termination Charge         | 80447                       | OPT-E-WAN Site Termination Charge will be applied when   |

| Line Item | Feature Name                          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---------------------------------------|-----------------------------|--|
|           |                                       |                             | an ordered circuit is cancelled after installation.  |
| 777       | OEW Diverse POP Service Set-Up Charge | 80442                       | Diverse Point of Presence routing  |
| 778       | OEW Diverse Line Card                 | 93014                       | Line Card Diversity  |
| 779       | OEW POP Diversity                     | 93019                       | Diverse Point of Presence routing MRC  |
| 780       | AT&T Dedicated Ethernet (ADE)         |                             | "AT&T Dedicated Ethernet is a fiber based, point-to-point, Ethernet service that allows Customers to transport data signals between two locations. AT&T Dedicated Ethernet transports data as a native Ethernet signal. AT&T Dedicated Ethernet is available at the following speed and format options:<br>1Gbps 1GE - Gigabit Ethernet<br>10Gbps 10GE LAN-PHY<br>10GE WAN-PHY<br>100Gbps 100GE<br>Access is subject to availability of facilities." |
| 781       | ADE Port 1G                           | ADE01                       | The 1 Gbps Ethernet Port Connection is the standard rate element that includes the service interface (point of demarcation) at the Customer-designated premises (Customer Site), any network termination equipment (NTE) placed at the Customer Site, and the physical transport facilities from the Customer Site to the AT&T Dedicated Ethernet network at the serving wire  |

| Line Item | Feature Name                | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------------|-----------------------------|---|
|           |                             |                             | center for that Site. Access is subject to availability of facilities.  |
| 782       | ADE Port 10G                | ADE02                       | The 10 Gbps Ethernet LAN-PHY or WAN-PHY Connection is the standard rate element that includes the service interface (point of demarcation) at the Customer-designated premises (Customer Site), any network termination equipment (NTE) placed at the Customer Site, and the physical transport facilities from the Customer Site to the AT&T Dedicated Ethernet network at the serving wire center for that Site. Access is subject to availability of facilities. |
| 783       | ADE Port 100G               | ADE04                       | The 100 Gbps Ethernet Connection is the standard rate element that includes the service interface (point of demarcation) at the Customer designated premises (Customer Site), any network termination equipment (NTE) placed at the Customer Site, and the physical transport facilities from the Customer Site to the AT&T Dedicated Ethernet network at the serving wire center for that Site. Access is subject to availability of facilities.                   |
| 784       | ADE Port Protection Plus 1G | ADE05                       | ADE Port Protection Plus 1G is an end-to-end (fully protected) protection option that offers a duplicate AT&T   |

| Line Item | Feature Name                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------|-----------------------------|---|
|           |                               |                             | Dedicated Ethernet signal routed over two diversely routed fiber paths, a working path and a standby path, from Customer Site to Customer Site. An AT&T Dedicated Ethernet circuit is considered to be fully protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit.  |
| 785       | ADE Port Protection Plus 10G  | ADE06                       | ADE Port Protection Plus 10G is an end-to-end (fully protected) protection option that offers a duplicate AT&T Dedicated Ethernet signal routed over two diversely routed fiber paths, a working path and a standby path, from Customer Site to Customer Site. An AT&T Dedicated Ethernet circuit is considered to be fully protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit. |
| 786       | ADE Port Protection Plus 100G | ADE08                       | ADE Port Protection Plus 100G is an end-to-end (fully protected) protection option that offers a duplicate AT&T Dedicated Ethernet signal routed over two diversely routed fiber paths, a working path and a standby path, from Customer Site to Customer Site. An AT&T   |

| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------------|-----------------------------|---|
|           |                                     |                             | Dedicated Ethernet circuit is considered to be fully protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit.  |
| 787       | ADE Port Diversity                  | ADE09                       | ADE Port Diversity is a feature that provides transmission paths (a normal path and a diverse path) which are diverse from each other between two designated AT&T Dedicated Ethernet Port Connections at the same Customer Site and its serving wire center. An AT&T Dedicated Ethernet circuit is considered to be fully protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit. |
| 788       | ADE Alternate Wire Center Diversity | ADE10                       | Alternate Wire Center Diversity is a feature that provides transmission paths (a normal path and a diverse path), which are diverse from each other between two designated AT&T Dedicated Ethernet Port Connections at the same Customer Site whereby the normal path is routed to its normal serving wire center and the diverse path is routed to an alternate wire center. An AT&T Dedicated Ethernet circuit is considered to be fully                        |

| Line Item | Feature Name                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------|-----------------------------|---|
|           |                                 |                             | protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit.   |
| 789       | ADE Inter-Wire Center Diversity | ADE11                       | Inter-Wire Center Diversity is a feature that provides a transmission path between the serving wire centers for each end of the circuit that is separate from the normal transmission path. An AT&T Dedicated Ethernet circuit is considered to be fully protected when the Port Protection Plus feature is selected on both ends (both Port Connections) of an AT&T Dedicated Ethernet circuit.  |
| 790       | EPLS WAN                        |                             | AT&T Private Line Service Ethernet Interoffice Channel (IOC) will provide inter-city, full-duplex, point-to-point transport of Ethernet packets over the AT&T Corp. long-haul transport infrastructure. We deploy the Ethernet IOC service using the multi-service platform (MSP), which will perform encapsulation of the customer's native Ethernet traffic into SONET frames for transport across the AT&T long-haul network. The Ethernet packet traffic is mapped to a SONET frame as payload and transported as an STS-N (N = 12c, 24c, 192c) circuit across the AT&T long-haul network; provision of SONET-layer |



| Line Item | Feature Name                          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------------|-----------------------------|---|
|           |                                       |                             | protection is on the high-speed facilities over which transported as an STS-N (N = 12c, 24c, 192c) circuit across the AT&T long-haul network; provision of SONET-layer protection is on the high-speed facilities over which the Ethernet IOC circuit is routed. 600 Mbps, 1000 Mbps and 10 Gbps Ethernet IOC circuits are mapped to STS-12c, STS-24c and STS-192c signals, respectively. EPLS-WAN requires Ethernet LD access from the customer premises to AT&T POP. Access is subject to availability of facilities. |
| 791       | EPLS-WAN 600 Mbps 1-300 miles         | EPLS01                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 600 Mbps. 1 to 300 Miles between POPs. Requires Ethernet Access separately to each POP.  |
| 792       | EPLS-WAN 600 Mbps 301+ miles fixed    | EPLS02                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 600 Mbps. Over 300 Miles between POPs. Requires Ethernet Access separately to each POP.  |
| 793       | EPLS-WAN 600 Mbps 301+ miles variable | EPLS03                      | Per mile element of Ethernet channel at 600Mbps between equipped AT&T POPs at 301 or more.  |
| 794       | EPLS-WAN 1Gbps 1-300 miles            | EPLS04                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 1 Gbps. 1 to 300 Miles   |

| Line Item | Feature Name                           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | between POPs. Requires Ethernet Access separately to each POP.  |
| 795       | EPLS-WAN<br>1Gbps 301+ miles fixed     | EPLS05                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 1 Gbps. Over 300 Miles between POPs. Requires Ethernet Access separately to each POP.  |
| 796       | EPLS-WAN<br>1Gbps 301+ miles variable  | EPLS06                      | Per mile element of Ethernet channel at 1 Gbps between equipped AT&T POPs at 301 or more.   |
| 797       | EPLS-WAN<br>10Gbps 1-300 miles         | EPLS07                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 10 Gbps. 1 to 300 Miles between POPs. Requires Ethernet Access separately to each POP. |
| 798       | EPLS-WAN<br>10Gbps 301+ miles fixed    | EPLS08                      | Point-point InterLATA Ethernet channel between equipped AT&T POPs at total throughput of 10 Gbps. Over 300 Miles between POPs. Requires Ethernet Access separately to each POP. |
| 799       | EPLS-WAN<br>10Gbps 301+ miles variable | EPLS09                      | Per mile element of Ethernet channel at 10 Gbps between equipped AT&T POPs at 301 or more.  |
| 800       | EPLS-WAN<br>100Gbps 0-500 Miles        | EPLS10                      | EPLS-WAN 100Gbps 0-500 Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.                   |

| Line Item | Feature Name                             | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
| 801       | EPLS-WAN<br>100Gbps 501-<br>1000 Miles   | EPLS11                      | EPLS-WAN 100Gbps 501-1000 Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.   |
| 802       | EPLS-WAN<br>100Gbps 1001-<br>1500 Miles  | EPLS12                      | EPLS-WAN 100Gbps 1001-1500 Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 803       | EPLS-WAN<br>100Gbps 1501-<br>2000 Miles  | EPLS13                      | EPLS-WAN 100Gbps 1501-2000 Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 804       | EPLS-WAN<br>100Gbps 2001-<br>2500 Miles  | EPLS14                      | EPLS-WAN 100Gbps 2001-2500 Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 805       | EPLS-WAN<br>100Gbps 2500+<br>Miles       | EPLS15                      | EPLS-WAN 100Gbps 2500+ Miles. Available in locations where AT&T is able to provide the necessary facilities. Access is subject to availability of facilities.  |
| 806       | AT&T MRS<br>Implementation<br>1-24 sites | MRSIM1                      | AT&T MRS Implementation Service 1-24 sites. Implementation Non-Recurring Charges per Site (for up to 25 Sites per week during Standard Business Hours; Monday - Friday, 8:00 am - 5:00 p.m., local time. Can only be used in conjunction with MRS services in this Category. |

| Line Item | Feature Name                          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------------|-----------------------------|---|
| 807       | AT&T MRS Implementation 25-99 sites   | MRSIM2                      | AT&T MRS Implementation Service 25-99 sites. Implementation Non-Recurring Charges per Site (for up to 25 Sites per week during Standard Business Hours; Monday - Friday, 8:00 am - 5:00 p.m., local time. Can only be used in conjunction with MRS services in this Category.   |
| 808       | AT&T MRS Implementation 100-399 sites | MRSIM3                      | AT&T MRS Implementation Service 100-399 sites. Implementation Non-Recurring Charges per Site (for up to 25 Sites per week during Standard Business Hours; Monday - Friday, 8:00 am - 5:00 p.m., local time. Can only be used in conjunction with MRS services in this Category. |
| 809       | AT&T MRS Implementation 400-999 sites | MRSIM4                      | AT&T MRS Implementation Service 400-999 sites. Implementation Non-Recurring Charges per Site (for up to 25 Sites per week during Standard Business Hours; Monday - Friday, 8:00 am - 5:00 p.m., local time. Can only be used in conjunction with MRS services in this Category. |

| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------------|-----------------------------|---|
| 810       | AT&T MRS Implementation 1000+ sites | MRSIM5                      | AT&T MRS Implementation Service 1000+ sites. Implementation Non-Recurring Charges per Site (for up to 25 Sites per week during Standard Business Hours; Monday - Friday, 8:00 am - 5:00 p.m., local time. Can only be used in conjunction with MRS services in this Category. |
| 811       | MRS Equip Install - Low             | MRSISLC                     | AT&T MRS Equipment Installation-Low Complexity routers. Can only be used in conjunction with MRS services in this Category.   |
| 812       | AT&T MRS Equip Install- Medium      | MRSISMC                     | AT&T MRS Equipment Installation-Medium Complexity routers. Can only be used in conjunction with MRS services in this Category.  |

| Line Item | Feature Name                         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--------------------------------------|-----------------------------|--|
| 813       | AT&T MRS Equip Install- High         | MRSISHC                     | AT&T MRS Equipment Installation -High Complexity routers. Can only be used in conjunction with MRS services in this Category.  |
| 814       | MRS Inside relocate same floor – Low | 13092L                      | MRS Inside relocate same floor – Low Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |

| Line Item | Feature Name                              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.  |
| 815       | MRS inside relocate different floor – Low | 13093L                      | MRS inside relocate different floor – Low Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |

| Line Item | Feature Name                            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.  |
| 816       | MRS inside relocate same floor – Medium | 13092M                      | MRS inside relocate same floor – Medium Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |



| Line Item | Feature Name                                 | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.   |
| 817       | MRS inside relocate different floor – Medium | 13093M                      | MRS inside relocate different floor – Medium Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |

| Line Item | Feature Name                          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------------|-----------------------------|---|
|           |                                       |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.  |
| 818       | MRS inside relocate same floor – High | 13092H                      | MRS inside relocate same floor – High Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |

| Line Item | Feature Name                               | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.   |
| 819       | MRS inside relocate different floor – High | 13093H                      | MRS inside relocate different floor – High Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed |

| Line Item | Feature Name         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|----------------------|-----------------------------|---|
|           |                      |                             | during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.  |
| 820       | Router Site Add- Low | 13118L                      | Router Site Add- Low Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------|-----------------------------|--|
|           |                         |                             | applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.  |
| 821       | Router Site Add- Medium | 13118M                      | Router Site Add- Medium Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------|-----------------------------|---|
|           |                       |                             | used in conjunction with MRS services in this Category.   |
| 822       | Router Site Add- High | 13118H                      | <p>Router Site Add- High Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software Additions/Modifications of Serial and/or LAN connections. The AT&amp;T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.</p> |

| Line Item | Feature Name                   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------------------|-----------------------------|---|
| 823       | Add/Delete Router Boards – Low | 13127L                      | <p>Add/Delete Router Boards – Low Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software</p> <p>Additions/Modifications of Serial and/or LAN connections. The AT&amp;T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.</p> |

| Line Item | Feature Name                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-----------------------------------|-----------------------------|--|
| 824       | Add/Delete Router Boards – Medium | 13127M                      | <p>Add/Delete Router Boards – Medium Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software</p> <p>Additions/Modifications of Serial and/or LAN connections. The AT&amp;T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.</p> |



| Line Item | Feature Name                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---------------------------------|-----------------------------|--|
| 825       | Add/Delete Router Boards – High | 13127H                      | <p>Add/Delete Router Boards – High Complexity Router. Moves, Adds, Changes and Deletes consist of: Addition, Deletion or Moves of hardware at a Customer site, modifying routing tables, adding, deleting or modifying protocols or protocol prioritization schemes, Software</p> <p>Additions/Modifications of Serial and/or LAN connections. The AT&amp;T Work Center will perform such work. Moves, Adds and Changes are provided on a per network, per transaction and/or per event basis as set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Features." Any movement that is not an Inside Move is billed as a new order. All rates for Lifecycle activity assume that work will be performed and completed during Standard Business Hours. In the event work is performed during non-Standard Business Hours, the applicable hourly rate will apply in addition to the lifecycle charges. Can only be used in conjunction with MRS services in this Category.</p> |

| Line Item | Feature Name                                   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 826       | MRS Configuration Changes-Simple               | 14158S                      | AT&T Managed Router Solution Router Configuration Changes - Simple. Configuration changes will be performed as requested by Customer and will be billed at the rates set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Changes." Can only be used in conjunction with MRS services in this Category.  |
| 827       | MRS Configuration Changes-Complex              | 14158C                      | AT&T Managed Router Solution Router Configuration Changes - Complex. Configuration changes will be performed as requested by Customer and will be billed at the rates set forth in the Pricing Schedule, in the table entitled "Life Cycle Management Changes." Can only be used in conjunction with MRS services in this Category. |
| 828       | Site Insufficiently Prepared/ Vendor Turn-Away | 14570                       | Site Insufficiently Prepared to Receive On-Site Services / Vendor Turn-Away. Can only be used in conjunction with MRS services in this Category.  |
| 829       | Cancellation Less than Five Bus Days           | 13109A                      | Cancellation to Receive On-Site Services with Less than Five Business Days notice to AT&T. Can only be used in conjunction with MRS services in this Category.  |

| <b>Line Item</b> | <b>Feature Name</b>                     | <b>Bidder's Product Identifier</b> | <b>Bidder's Product Description, Restrictions and Limitations</b>   |
|------------------|---|------------------------------------|---|
| 830              | Site Delete for AT&T Provided Equipment | 13119                              | Site Delete for AT&T Provided Equipment. This product line item is for ordering purpose only and provided at no cost to the customer. Can only be used in conjunction with MRS services in this Category.   |
| 831              | MRS Support Stand Hrs                   | 13109B                             | MRS Support Standard Hours (8am – 5pm local time) . AT&T will provide supplementary engineering and technical activities, including but not limited to network re-design and re-configuration to support additional protocols, re-addressing of the network and other agreed upon changes. These activities will be defined on a per Customer basis (detailed Scope of Work required) and will be priced according to the Professional services rates and charges as defined in the Pricing Schedule, in the section entitled "Supplementary Professional, Engineering and Technical Services." Can only be used in conjunction with MRS services in this Category. |
| 832              | MRS Support Non-StandHrs                | 13109D                             | MRS Support Non-Standard Hours. AT&T will provide supplementary engineering and technical activities, including but not limited to network re-design and re-configuration to support additional protocols, re-addressing of the network and other agreed upon changes.  |

| Line Item | Feature Name                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------|-----------------------------|---|
|           |                               |                             | These activities will be defined on a per Customer basis (detailed Scope of Work required) and will be priced according to the Professional services rates and charges as defined in the Pricing Schedule, in the section entitled "Supplementary Professional, Engineering and Technical Services." Can only be used in conjunction with MRS services in this Category.  |
| 833       | MRS (POTS) Dial Backup Manage | 13060A                      | AT&T Managed Router Solution Analog (POTS) Dial Backup Management. The Dial Backup feature offers Customers the ability to backup their primary Wide Area Network (WAN) circuits with secondary switched circuits in order to protect against network and/or access failures. The managed ISDN and Analog Dial back up features requires Customer to obtain ISDN line (BRI or PRI) or Analog Dial line. Analog dial backup provides for individual telephone lines at remote sites to access a dial line at speeds up to 56k in case of primary transport failure. HUB sites may be configured with multiple, bonded analog lines to backup the primary transport in increments of 56k. Can only be used in conjunction with MRS services in this Category. |

| Line Item | Feature Name                 | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------------|-----------------------------|--|
| 834       | MRS (BRI) Dial Backup Manage | 13060B                      | AT&T Managed Router Solution ISDN Basic Rate Interface (BRI) Dial Backup Management. The Dial Backup feature offers Customers the ability to backup their primary Wide Area Network (WAN) circuits with secondary switched circuits in order to protect against network and/or access failures. The managed ISDN and Analog Dial back up features requires Customer to obtain ISDN line (BRI or PRI) or Analog Dial line. BRI ports for ISDN may be added to a site router. Up to 4 BRI ports per site router are allowed, subject to capability constraints of the site router. Can only be used in conjunction with MRS services in this Category. |
| 835       | MRS (PRI) Dial Backup Manage | 13060C                      | AT&T Managed Router Solution ISDN Primary Rate Interface (PRI) Dial Backup Management The Dial Backup feature offers Customers the ability to backup their primary Wide Area Network (WAN) circuits with secondary switched circuits in order to protect against network and/or access failures. The managed ISDN and Analog Dial back up features requires Customer to obtain ISDN line (BRI or PRI) or Analog Dial line. PRI port for ISDN may be added to a site router, subject to capability constraints of the   |

| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------------|-----------------------------|---|
|           |                                     |                             | site router. Can only be used in conjunction with MRS services in this Category.  |
| 836       | MRS TACACS Read Only Access- Router | TACE                        | AT&T Managed Router Solution TACACS Read Only Access - Router TACACS (Terminal Access Controller Access Control System) Read Only Access. Provides secure remote access to AT&T Managed router using an authentication protocol that allows a remote (customer) access server to forward a customer user's logon password to an AT&T server to determine whether access can be allowed to a router. Can only be used in conjunction with MRS services in this Category. |
| 837       | MRS TACACS Read Only Access-Support | TACS                        | AT&T Managed Router Solution TACACS Read Only Access-Support TACACS (Terminal Access Controller Access Control System) Read Only Access. Provides secure remote access to AT&T Managed router using an authentication protocol that allows a remote (customer) access server to forward a customer user's logon password to an AT&T server to determine whether access can be allowed to a router. Can only be used in conjunction with MRS services in this Category.  |

| Line Item | Feature Name                          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------------|-----------------------------|---|
| 838       | MRS TACACS Read Only Access- 1 to 6   | TACACS1                     | AT&T Managed Router Solution TACACS Read Only Access - Enablement 1 to 6 Enabled Employees A user will be authorized to execute simple router commands, extended ping, extended trace route, show tech-support commands to view basic router features, interface status and router configuration information.<br>*TACACS Read Only Access is not available for more than 25 Enabled Employees for a defined customer entity. Can only be used in conjunction with MRS services in this Category.  |
| 839       | MRS TACACS Read Only Access- 7 to 12  | TACACS2                     | AT&T Managed Router Solution TACACS Read Only Access - Enablement 7 to 12 Enabled Employees A user will be authorized to execute simple router commands, extended ping, extended trace route, show tech-support commands to view basic router features, interface status and router configuration information.<br>*TACACS Read Only Access is not available for more than 25 Enabled Employees for a defined customer entity. Can only be used in conjunction with MRS services in this Category. |
| 840       | MRS TACACS Read Only Access- 13 to 25 | TACACS3                     | AT&T Managed Router Solution TACACS Read Only Access - Enablement 13 to 25 Enabled Employees A user will be   |

| Line Item | Feature Name                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---------------------------------|-----------------------------|--|
|           |                                 |                             | authorized to execute simple router commands, extended ping, extended trace route, show tech-support commands to view basic router features, interface status and router configuration information.<br>*TACACS Read Only Access is not available for more than 25 Enabled Employees for a defined customer entity. Can only be used in conjunction with MRS services in this Category. |
| 841       | Data IOS Svc for Cisco 19XX     | MRU01                       | Data IOS Service for Cisco 19XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |
| 842       | Security IOS Svc for Cisco 19XX | MRU02                       | Security IOS Service for Cisco 19XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |
| 843       | Data IOS Svc for Cisco 29XX     | MRU03                       | Data IOS Service for Cisco 29XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |
| 844       | Security IOS Svc for Cisco 29XX | MRU04                       | Security IOS Service for Cisco 29XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |
| 845       | Data IOS Svc for Cisco 39XX     | MRU05                       | Data IOS Service for Cisco 39XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |



| Line Item | Feature Name                           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 846       | Security IOS Svc for Cisco 39XX        | MRU06                       | Security IOS Service for Cisco 39XX Series managed router feature upgrade Can only be used in conjunction with MRS services in this Category.   |
| 847       | 2 - Port SPA Svc Cisco ASR 1000 Module | MRU10                       | Copper SFP - SX Cisco 2-Port Gigabit Ethernet Shared Port Adapter (SPA) Service for ASR1000 series managed router feature upgrade Can only be used in conjunction with MRS services in this Category. |
| 848       | 4 - Port SPA Svc Cisco ASR 1000        | MRU11                       | 100M Ethernet Cisco 4-Port Fast Ethernet (TX) Shared Port Adapter (SPA) Service for ASR1000 series managed router feature upgrade Can only be used in conjunction with MRS services in this Category. |
| 849       | LX/LH SFP Svc                          | MRU12                       | GE SFP, LC connector LX/LH transceiver Service managed router feature upgrade Can only be used in conjunction with MRS services in this Category.   |
| 850       | SX SFP Svc                             | MRU13                       | GE SFP, LC connector SX transceiver Service managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |
| 851       | 1000 Base-T SFP Svc                    | MRU14                       | 1000 BASE-T SFP Service managed router feature upgrade Can only be used in conjunction with MRS services in this Category.  |

| Line Item | Feature Name           | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|------------------------|-----------------------------|--|
| 852       | 4320 Security Svc      | MRU57                       | SL-4320-SEC-K9 Security License Service for Cisco ISR 4320 Series Can only be used in conjunction with MRS services in this Category.                  |
| 853       | 4330 Security Svc      | MRU58                       | SL-4330-SEC-K9 Security License Service for Cisco ISR 4330 Series Can only be used in conjunction with MRS services in this Category.                  |
| 854       | 4330E Security Svc     | MRU59                       | FL-4330-HSEC-K9 U.S. Export Restriction Compliance license Service for 4330 series Can only be used in conjunction with MRS services in this Category. |
| 855       | 4350 Security Svc      | MRU60                       | SL-4350-SEC-K9 Security License Service for Cisco ISR 4350 Series Can only be used in conjunction with MRS services in this Category.                  |
| 856       | 4350E Security License | MRU61                       | FL-4350-HSEC-K9 U.S. Export Restriction Compliance license Service for 4350 series Can only be used in conjunction with MRS services in this Category. |
| 857       | 4400 Security Svc      | MRU62                       | SL-44-SEC-K9 Security License Service for Cisco ISR 4400 Series Can only be used in conjunction with MRS services in this Category.                    |
| 858       | 4400E Security Svc     | MRU63                       | FL-44-HSEC-K9 U.S. Export Restriction Compliance license Service for 4350 series Can only be used in conjunction with MRS services in this Category.   |
| 859       | 1GE NIM Svc            | MRU64                       | NIM-1GE-CU-SFP 1-port GE WAN NIM, dual-mode RJ45 &   |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------|-----------------------------|--|
|           |                         |                             | SFP Network Interface Module (NIM) Service Can only be used in conjunction with MRS services in this Category.   |
| 860       | 2GE NIM Svc             | MRU65                       | NIM-2GE-CU-SFP 2-port GE WAN NIM, dual-mode RJ45 & SFP Network Interface Module (NIM) Service Can only be used in conjunction with MRS services in this Category.  |
| 861       | 6-Port WAN SM           | MRU66                       | SM-X module with 6-port dual-mode GE / SFP (not valid for 4321) WAN Service Module (SM) Service Can only be used in conjunction with MRS services in this Category.  |
| 862       | GLC-T SFP Svc           | MRU67                       | GLC-T 1000 BASE-T Small Form Factor Pluggable (SFP) Service Can only be used in conjunction with MRS services in this Category.  |
| 863       | MRS Router - Cisco 2911 | C2911                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed Ethernet Configuration Cisco 2911 Ethernet model. Supports up to 10 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |
| 864       | MRS Router - Cisco 2921 | C2921                       | AT&T owned and managed router. Includes installation, configuration, life-cycle  |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
|           |                         |                             | maintenance and diagnostic monitoring. Low speed Ethernet Configuration, Cisco 2921 Ethernet model. Supports up to 20 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category.   |
| 865       | MRS Router - Cisco 3925 | C3925                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 3925 Ethernet model. Supports up to 50 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |
| 866       | MRS Router - Cisco 3945 | C3945                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 3945 Ethernet model. Supports up to 100 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders.  |

| Line Item | Feature Name               | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|----------------------------|-----------------------------|--|
|           |                            |                             | Can only be used in conjunction with MRS services in this Category.  |
| 867       | MRS Router - Cisco ASR1002 | ASR1                        | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco ASR1002 model. Supports up to 1 Gbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |
| 868       | MRS Router - Cisco 7604    | 7604                        | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 7604 model. Supports up to 10 Gbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category.   |
| 869       | MRS Router - Cisco 1921    | T1921                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 1921 - T1 PPP model. Supports up to 1.5 Mbps throughput. Requires phone line provided separately for maintenance.   |

| Line Item | Feature Name                       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------------------|-----------------------------|---|
|           |                                    |                             | To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category.   |
| 870       | MRS Router - Cisco 2911 - T1 PPP   | T2911                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed T1 PPP. Cisco 2911 model. Supports up to 1.5 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |
| 871       | MRS Router - Cisco 2911 - 2xT1 PPP | 2T291                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed 2xT1 PPP Cisco 2911 model. Supports up to 3 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category.  |
| 872       | MRS Router - Cisco 2911 - 4xT1 PPP | 4T291                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic  |

| Line Item | Feature Name                       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------------------|-----------------------------|---|
|           |                                    |                             | monitoring. Low speed 2xT1 PPP Configuration Cisco 2911 model. Supports up to 3 Mbps throughput. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category.   |
| 873       | MRS Router - Cisco 2921 - 6xT1 PPP | 6T292                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed 6xT1 PPP. Cisco 2921 model. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |
| 874       | MRS Router - Cisco 2921 - 8xT1 PPP | 8T292                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed 8xT1 PPP. Cisco 2921 model. Requires phone line provided separately for maintenance. To support existing customers with MRS router in service today. Not for new orders. Can only be used in conjunction with MRS services in this Category. |

| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
| 875       | MRS Router - 4321 - T1  | T4321                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4321 - T1 PPP model or successor model. Supports up to 1.5 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.             |
| 876       | MRS Router - 4321 - 2T1 | 2T432                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed Cisco 4321 - 2xT1 PPP model or successor model. Supports up to 3 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.   |
| 877       | MRS Router - 4321 - 3T1 | 3T432                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed Cisco 4321 - 3xT1 PPP model or successor model. Supports up to 4.5 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 878       | MRS Router - 4321 - 4T1 | 4T432                       | AT&T owned and managed router. Includes installation,   |



| Line Item | Feature Name            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------|-----------------------------|---|
|           |                         |                             | configuration, life-cycle maintenance and diagnostic monitoring. Low speed Cisco 4321 - 4xT1 PPP model or successor model. Supports up to 6 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.   |
| 879       | MRS Router - 4321 - 5T1 | 5T432                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed Cisco 4321 - 5xT1 PPP model or successor model. Supports up to 7.5 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 880       | MRS Router - 4321 - 6T1 | 6T432                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Low speed Cisco 4321 - 6xT1 PPP model or successor model. Supports up to 9 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.   |
| 881       | MRS Router - 4321 - 8T1 | 8T432                       | AT&T owned and managed router. Includes installation, configuration, life-cycle   |

| Line Item | Feature Name               | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|----------------------------|-----------------------------|---|
|           |                            |                             | maintenance and diagnostic monitoring. Low speed Cisco 4321 - 8xT1 PPP model or successor model. Supports up to 12 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.  |
| 882       | MRS Router - ISR4331 (DS3) | D4331                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco ISR4331 - T3 PPP model or successor model. Supports up to 45 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 883       | MRS Router 4321 (20Mb)     | A4321                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4321 Ethernet model or successor model. Supports up to 20 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.    |
| 884       | MRS Router - 4331 (50Mb)   | A4331                       | AT&T owned and managed router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4331 Ethernet model or successor   |

| Line Item | Feature Name              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------|-----------------------------|---|
|           |                           |                             | model. Supports up to 50 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.  |
| 885       | MRS Router - 4331 (150Mb) | B4331                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4331 Ethernet model or successor model. Supports up to 150 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 886       | MRS Router - 4351 (200Mb) | A4351                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4351 Ethernet model or successor model. Supports up to 200 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 887       | MRS Router - 4431 (250Mb) | A4431                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4431 Ethernet model or successor model. Supports up to 250 Mbps throughput. Requires   |

| Line Item | Feature Name              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------|-----------------------------|---|
|           |                           |                             | phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.   |
| 888       | MRS Router - 4431 (500Mb) | B4431                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4431 Ethernet model or successor model. Supports up to 500 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 889       | MRS Router - 4451 (500Mb) | A4451                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4451 Ethernet model or successor model. Supports up to 500 Mbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category. |
| 890       | MRS Router - 4451 (1Gb)   | B4451                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco 4451 Ethernet model or successor model. Supports up to 1 Gbps throughput. Requires phone line provided separately for  |

| Line Item | Feature Name          | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------|-----------------------------|---|
|           |                       |                             | maintenance. Can only be used in conjunction with MRS services in this Category.  |
| 891       | MRS Router - ASR1001X | ASR1X                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco ASR1001X Ethernet model or successor model. Supports up to 1 Gbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.                       |
| 892       | MRS Router - ASR1002X | ASR2X                       | AT&T owned and managed Router. Includes installation, configuration, life-cycle maintenance and diagnostic monitoring. Cisco ASR1002X Ethernet model or successor model. Supports up to 10 Gbps throughput. Requires phone line provided separately for maintenance. Can only be used in conjunction with MRS services in this Category.                      |
| 893       | ASEoD 100 Mbps Port   | EYQEXOD                     | AT&T Switched Ethernet Service on Demand (ASEoD) Port. AT&T Switched Ethernet on Demand (ASEoD) is a transport service that transmits Ethernet traffic among multiple locations and uses AT&T Network on Demand to provision and scale bandwidth and other network services. AT&T Switched Ethernet on Demand (ASEoD) provides the ability to make changes in |

| Line Item | Feature Name      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------|-----------------------------|---|
|           |                   |                             | near real time (1 change allowed per 24 hour period) through a web-based network configuration and management. ASEoD Ports must be configured with the respective ASEoD Committed Information Rate(CIR), and cannot be used with other CIR options.   |
| 894       | ASEoD 1Gbps Port  | EYQFXOD                     | AT&T Switched Ethernet Service on Demand (ASEoD) Port. AT&T Switched Ethernet on Demand (ASEoD) is a transport service that transmits Ethernet traffic among multiple locations and uses AT&T Network on Demand to provision and scale bandwidth and other network services. AT&T Switched Ethernet on Demand (ASEoD) provides the ability to make changes in near real time (1 change allowed per 24 hour period) through a web-based network configuration and management. ASEoD Ports must be configured with the respective ASEoD Committed Information Rate(CIR), and cannot be used with other CIR options. |
| 895       | ASEoD 10Gbps Port | EYQGXOD                     | AT&T Switched Ethernet Service on Demand (ASEoD) Port. AT&T Switched Ethernet on Demand (ASEoD) is a transport service that transmits Ethernet traffic among multiple locations and uses AT&T   |

| Line Item | Feature Name       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------|-----------------------------|---|
|           |                    |                             | Network on Demand to provision and scale bandwidth and other network services. AT&T Switched Ethernet on Demand (ASEoD) provides the ability to make changes in near real time (1 change allowed per 24 hour period) through a web-based network configuration and management. ASEoD Ports must be configured with the respective ASEoD Committed Information Rate(CIR), and cannot be used with other CIR options.   |
| 896       | ASEoD 100Gbps port | EY7AGOD                     | AT&T Switched Ethernet Service on Demand (ASEoD) Port. AT&T Switched Ethernet on Demand (ASEoD) is a transport service that transmits Ethernet traffic among multiple locations and uses AT&T Network on Demand to provision and scale bandwidth and other network services. AT&T Switched Ethernet on Demand (ASEoD) provides the ability to make changes in near real time (1 change allowed per 24 hour period) through a web-based network configuration and management. ASEoD Ports must be configured with the respective ASEoD Committed Information Rate(CIR), and cannot be used with other CIR options. |

| Line Item | Feature Name                                | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 897       | ASEoD 2Mb CIR<br>Non-Critical<br>High (BSA) | R6E2XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 898       | ASEoD 4Mb CIR<br>Non-Critical<br>High (BSA) | R6E4XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 899       | ASEoD 5Mb CIR<br>Non-Critical<br>High (BSA) | R6EAXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 900       | ASEoD 8Mb CIR<br>Non-Critical<br>High (BSA) | R6E8XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |



| Line Item | Feature Name                                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 901       | ASEoD 10Mb<br>CIR Non-Critical<br>High (BSA)  | R6EBXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 902       | ASEoD 20Mb<br>CIR Non-Critical<br>High (BSA)  | R6EDXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 903       | ASEoD 50Mb<br>CIR Non-Critical<br>High (BSA)  | R6EHXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 904       | ASEoD 100Mb<br>CIR Non-Critical<br>High (BSA) | R6ELXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name                                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 905       | ASEoD 150Mb<br>CIR Non-Critical<br>High (BSA) | R6ENXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 906       | ASEoD 250Mb<br>CIR Non-Critical<br>High (BSA) | R6EQXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 907       | ASEoD 400Mb<br>CIR Non-Critical<br>High (BSA) | R6ESXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 908       | ASEoD 500Mb<br>CIR Non-Critical<br>High (BSA) | R6ETXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 909       | ASEoD 600Mb<br>CIR Non-Critical<br>High (BSA)        | R6EUXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower.  |
| 910       | ASEoD 1 Gbps<br>CIR Non-Critical<br>High (BSA)       | R6EZON                      | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 911       | ASEoD 2 Gbps<br>CIR Non-Critical<br>High (BSA)       | R61BXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.                       |
| 912       | ASEoD 2.5<br>Gbps CIR Non-<br>Critical High<br>(BSA) | R61CXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port.   |
| 913       | ASEoD 4 Gbps<br>CIR Non-Critical<br>High (BSA)       | R61FXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 914       | ASEoD 5 Gbps<br>CIR Non-Critical<br>High (BSA)       | R61HXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 915       | ASEoD 7.5<br>Gbps CIR Non-<br>Critical High<br>(BSA) | R61NXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |

| Line Item | Feature Name                               | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 916       | ASEoD 9.5 Gbps CIR Non-Critical High (BSA) | R61RXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 917       | ASEoD 10 Gbps CIR Non-Critical High (BSA)  | R61SXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 918       | ASEoD 15 Gbps CIR Non-Critical High (BSA)  | R612XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 919       | ASEoD 20 Gbps CIR Non-Critical High (BSA)  | R613XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |

| Line Item | Feature Name                                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 920       | ASEoD 25 Gbps<br>CIR Non-Critical<br>High (BSA) | R614XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 921       | ASEoD 30 Gbps<br>CIR Non-Critical<br>High (BSA) | R615XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 922       | ASEoD 35 Gbps<br>CIR Non-Critical<br>High (BSA) | R616XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 923       | ASEoD 40 Gbps<br>CIR Non-Critical<br>High (BSA) | R617XON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |

| Line Item | Feature Name                                   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 924       | AEoD 45 Gbps<br>CIR Non-Critical<br>High (BSA) | R618XON                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 925       | AEoD 50 Gbps<br>CIR Non-Critical<br>High (BSA) | R619XON                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 926       | AEoD 60 Gbps<br>CIR Non-Critical<br>High (BSA) | R61TXON                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 927       | AEoD 70 Gbps<br>CIR Non-Critical<br>High (BSA) | R61UXON                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |

| Line Item | Feature Name                                 | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 928       | ASEoD 80 Gbps CIR Non-Critical High (BSA)    | R61VXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.                 |
| 929       | ASEoD 90 Gbps CIR Non-Critical High (BSA)    | R61WXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.                 |
| 930       | ASEoD 100 Gbps CIR Non-Critical High (BSA)   | R61XXON                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Non-Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.                 |
| 931       | ASEoD 2Mb CIR Business Critical Medium (BSA) | R6E2XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |



| Line Item | Feature Name                                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 932       | ASEoD 4Mb CIR Business Critical Medium (BSA)  | R6E4XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 933       | ASEoD 5Mb CIR Business Critical Medium (BSA)  | R6EAXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 934       | ASEoD 8Mb CIR Business Critical Medium (BSA)  | R6E8XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 935       | ASEoD 10Mb CIR Business Critical Medium (BSA) | R6EBXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 936       | ASEoD 20Mb<br>CIR Business<br>Critical Medium<br>(BSA)  | R6EDXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 937       | ASEoD 50Mb<br>CIR Business<br>Critical Medium<br>(BSA)  | R6EHXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 938       | ASEoD 100Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6ELXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 939       | ASEoD 150Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6ENXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 940       | ASEoD 250Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6EQXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 941       | ASEoD 400Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6ESXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 942       | ASEoD 500Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6ETXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 943       | ASEoD 600Mb<br>CIR Business<br>Critical Medium<br>(BSA) | R6EUXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
| 944       | ASEoD 1 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)   | R6EZXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 945       | ASEoD 2 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)   | R61BXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.                       |
| 946       | ASEoD 2.5<br>Gbps CIR<br>Business Critical<br>Medium (BSA) | R61CXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.                       |
| 947       | ASEoD 4 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)   | R61FXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business   |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
|           |  |                             | Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.  |
| 948       | ASEoD 5 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)   | R61HXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 949       | ASEoD 7.5<br>Gbps CIR<br>Business Critical<br>Medium (BSA) | R61NXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 950       | ASEoD 9.5<br>Gbps CIR<br>Business Critical<br>Medium (BSA) | R61RXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 951       | ASEoD 10 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R61SXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 952       | ASEoD 15 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R612XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 953       | ASEoD 20 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R613XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 954       | ASEoD 25 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R614XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | combined with an ASEoD 100 Gbps Port.  |
| 955       | ASEoD 30 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R615XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 956       | ASEoD 35 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R616XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 957       | ASEoD 40 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R617XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 958       | ASEoD 45 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R618XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 959       | ASEoD 50 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R619XOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 960       | ASEoD 60 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R61TXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 961       | ASEoD 70 Gbps<br>CIR Business<br>Critical Medium<br>(BSA) | R61UXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |



| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 962       | ASEoD 80 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)  | R61VXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.        |
| 963       | ASEoD 90 Gbps<br>CIR Business<br>Critical Medium<br>(BSA)  | R61WXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.        |
| 964       | ASEoD 100<br>Gbps CIR<br>Business Critical<br>Medium (BSA) | R61XXOM                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical Medium Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.        |
| 965       | ASEoD 2Mb CIR<br>Business Critical<br>High (BSA)           | R6E2XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name                                | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 966       | ASEoD 4Mb CIR Business Critical High (BSA)  | R6E4XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 967       | ASEoD 5Mb CIR Business Critical High (BSA)  | R6EAXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 968       | ASEoD 8Mb CIR Business Critical High (BSA)  | R6E8XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 969       | ASEoD 10Mb CIR Business Critical High (BSA) | R6EBXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 970       | ASEoD 20Mb<br>CIR Business<br>Critical High<br>(BSA)  | R6EDXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 971       | ASEoD 50Mb<br>CIR Business<br>Critical High<br>(BSA)  | R6EHXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 972       | ASEoD 100Mb<br>CIR Business<br>Critical High<br>(BSA) | R6ELXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 973       | ASEoD 150Mb<br>CIR Business<br>Critical High<br>(BSA) | R6ENXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 974       | ASEoD 250Mb<br>CIR Business<br>Critical High<br>(BSA) | R6EQXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 975       | ASEoD 400Mb<br>CIR Business<br>Critical High<br>(BSA) | R6ESXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 976       | ASEoD 500Mb<br>CIR Business<br>Critical High<br>(BSA) | R6ETXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 977       | ASEoD 600Mb<br>CIR Business<br>Critical High<br>(BSA) | R6EUXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--|-----------------------------|--|
| 978       | ASEoD 1 Gbps<br>CIR Business<br>Critical High<br>(BSA)   | R6EZXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 979       | ASEoD 2 Gbps<br>CIR Business<br>Critical High<br>(BSA)   | R61BXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.                       |
| 980       | ASEoD 2.5<br>Gbps CIR<br>Business Critical<br>High (BSA) | R61CXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.                       |
| 981       | ASEoD 4 Gbps<br>CIR Business<br>Critical High<br>(BSA)   | R61FXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service  |

| Line Item | Feature Name                                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
|           |   |                             | (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.   |
| 982       | ASEoD 5 Gbps CIR Business Critical High (BSA)   | R61HXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 983       | ASEoD 7.5 Gbps CIR Business Critical High (BSA) | R61NXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 984       | ASEoD 9.5 Gbps CIR Business Critical High (BSA) | R61RXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 985       | ASEoD 10 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R61SXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 986       | ASEoD 15 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R612XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 987       | ASEoD 20 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R613XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 988       | ASEoD 25 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R614XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 989       | ASEoD 30 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R615XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 990       | ASEoD 35 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R616XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 991       | ASEoD 40 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R617XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 992       | ASEoD 45 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R618XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |



| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 993       | ASEoD 50 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R619XOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 994       | ASEoD 60 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R61TXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 995       | ASEoD 70 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R61UXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 996       | ASEoD 80 Gbps<br>CIR Business<br>Critical High<br>(BSA) | R61VXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |

| Line Item | Feature Name                                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|---|-----------------------------|--|
| 997       | ASEoD 90 Gbps CIR Business Critical High (BSA)  | R61WXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 998       | ASEoD 100 Gbps CIR Business Critical High (BSA) | R61XXOH                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Business Critical High Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 999       | ASEoD 2Mb CIR Interactive (BSA)                 | R6E2XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower.   |
| 1000      | ASEoD 4Mb CIR Interactive (BSA)                 | R6E4XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower.   |

| Line Item | Feature Name                     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|----------------------------------|-----------------------------|---|
| 1001      | ASEoD 5Mb CIR Interactive (BSA)  | R6EAXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1002      | ASEoD 8Mb CIR Interactive (BSA)  | R6E8XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1003      | ASEoD 10Mb CIR Interactive (BSA) | R6EBXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1004      | ASEoD 20Mb CIR Interactive (BSA) | R6EDXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------------------|-----------------------------|---|
| 1005      | ASEoD 50Mb CIR Interactive (BSA)  | R6EHXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1006      | ASEoD 100Mb CIR Interactive (BSA) | R6ELXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1007      | ASEoD 150Mb CIR Interactive (BSA) | R6ENXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1008      | ASEoD 250Mb CIR Interactive (BSA) | R6EQXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |

| Line Item | Feature Name                       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------------------|-----------------------------|---|
| 1009      | ASEoD 400Mb CIR Interactive (BSA)  | R6ESXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1010      | ASEoD 500Mb CIR Interactive (BSA)  | R6ETXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1011      | ASEoD 600Mb CIR Interactive (BSA)  | R6EUXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1012      | ASEoD 1 Gbps CIR Interactive (BSA) | R6EZXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or   |

| Line Item | Feature Name                         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------------------------|-----------------------------|---|
|           |                                      |                             | 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port.  |
| 1013      | ASEoD 2 Gbps CIR Interactive (BSA)   | R61BXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 1014      | ASEoD 2.5 Gbps CIR Interactive (BSA) | R61CXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 1015      | ASEoD 4 Gbps CIR Interactive (BSA)   | R61FXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |

| Line Item | Feature Name                         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--------------------------------------|-----------------------------|---|
| 1016      | ASEoD 5 Gbps CIR Interactive (BSA)   | R61HXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 1017      | ASEoD 7.5 Gbps CIR Interactive (BSA) | R61NXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 1018      | ASEoD 9.5 Gbps CIR Interactive (BSA) | R61RXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 10 Gbps Port.<br>Cannot be used with ASEoD 100 Gbps Port. |
| 1019      | ASEoD 10 Gbps CIR Interactive (BSA)  | R61SXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service   |

| Line Item | Feature Name                       | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|------------------------------------|-----------------------------|---|
|           |                                    |                             | (CoS). Must be combined with an AEoD 10 Gbps Port. Cannot be used with AEoD 100 Gbps Port.  |
| 1020      | AEoD 15 Gbps CIR Interactive (BSA) | R612XOI                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 1021      | AEoD 20 Gbps CIR Interactive (BSA) | R613XOI                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 1022      | AEoD 25 Gbps CIR Interactive (BSA) | R614XOI                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an AEoD 100 Gbps Port. |
| 1023      | AEoD 30 Gbps CIR Interactive (BSA) | R615XOI                     | AEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service   |



| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------------------|-----------------------------|--|
|           |                                     |                             | (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 1024      | ASEoD 35 Gbps CIR Interactive (BSA) | R616XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1025      | ASEoD 40 Gbps CIR Interactive (BSA) | R617XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1026      | ASEoD 45 Gbps CIR Interactive (BSA) | R618XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1027      | ASEoD 50 Gbps CIR Interactive (BSA) | R619XOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service  |

| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------------------|-----------------------------|--|
|           |                                     |                             | (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 1028      | ASEoD 60 Gbps CIR Interactive (BSA) | R61TXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1029      | ASEoD 70 Gbps CIR Interactive (BSA) | R61UXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1030      | ASEoD 80 Gbps CIR Interactive (BSA) | R61VXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1031      | ASEoD 90 Gbps CIR Interactive (BSA) | R61WXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR.<br>Interactive Class of Service  |

| Line Item | Feature Name                         | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--------------------------------------|-----------------------------|--|
|           |                                      |                             | (CoS). Must be combined with an ASEoD 100 Gbps Port.   |
| 1032      | ASEoD 100 Gbps CIR Interactive (BSA) | R61XXOI                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Interactive Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port.        |
| 1033      | ASEoD 2Mb CIR RealTime (BSA)         | R6E2XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1034      | ASEoD 4Mb CIR RealTime (BSA)         | R6E4XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1035      | ASEoD 5Mb CIR RealTime (BSA)         | R6EAXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must   |

| Line Item | Feature Name                  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|-------------------------------|-----------------------------|--|
|           |                               |                             | be combined with an ASEoD Port of 1Gbps or lower.  |
| 1036      | ASEoD 8Mb CIR RealTime (BSA)  | R6E8XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1037      | ASEoD 10Mb CIR RealTime (BSA) | R6EBXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1038      | ASEoD 20Mb CIR RealTime (BSA) | R6EDXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1039      | ASEoD 50Mb CIR RealTime (BSA) | R6EHXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must   |

| Line Item | Feature Name                   | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations   |
|-----------|--------------------------------|-----------------------------|--|
|           |                                |                             | be combined with an ASEoD Port of 1Gbps or lower.  |
| 1040      | ASEoD 100Mb CIR RealTime (BSA) | R6ELXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1041      | ASEoD 150Mb CIR RealTime (BSA) | R6ENXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1042      | ASEoD 250Mb CIR RealTime (BSA) | R6EQXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower. |
| 1043      | ASEoD 400Mb CIR RealTime (BSA) | R6ESXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must   |

| Line Item | Feature Name                    | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---------------------------------|-----------------------------|---|
|           |                                 |                             | be combined with an ASEoD Port of 1Gbps or lower.   |
| 1044      | ASEoD 500Mb CIR RealTime (BSA)  | R6ETXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower.  |
| 1045      | ASEoD 600Mb CIR RealTime (BSA)  | R6EUXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD Port of 1Gbps or lower.  |
| 1046      | ASEoD 1 Gbps CIR RealTime (BSA) | R6EZXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 1047      | ASEoD 2 Gbps CIR RealTime (BSA) | R6IBXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should   |

| Line Item | Feature Name                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------------------|-----------------------------|---|
|           |                                   |                             | not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASExD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASExD 100 Gbps Port.   |
| 1048      | ASExD 2.5 Gbps CIR RealTime (BSA) | R61CXOD                     | ASExD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASExD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASExD 100 Gbps Port. |
| 1049      | ASExD 4 Gbps CIR RealTime (BSA)   | R61FXOD                     | ASExD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASExD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASExD 100 Gbps Port. |
| 1050      | ASExD 5 Gbps CIR RealTime (BSA)   | R61HXOD                     | ASExD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASExD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASExD 100 Gbps Port. |

| Line Item | Feature Name                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------------------|-----------------------------|---|
| 1051      | ASEoD 7.5 Gbps CIR RealTime (BSA) | R61NXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 1052      | ASEoD 9.5 Gbps CIR RealTime (BSA) | R61RXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASEoD 1 Gbps Port or 10 Gbps Port. Cannot be used with ASEoD 100 Gbps Port. |
| 1053      | ASEoD 10 Gbps CIR RealTime (BSA)  | R61SXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with either an ASEoD 10 Gbps Port or an ASEoD 100 Gbps Port.                               |
| 1054      | ASEoD 15 Gbps CIR RealTime (BSA)  | R612XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must  |



| Line Item | Feature Name                     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|----------------------------------|-----------------------------|---|
|           |                                  |                             | be combined with an ASEoD 100 Gbps Port.  |
| 1055      | ASEoD 20 Gbps CIR RealTime (BSA) | R613XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1056      | ASEoD 25 Gbps CIR RealTime (BSA) | R614XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1057      | ASEoD 30 Gbps CIR RealTime (BSA) | R615XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1058      | ASEoD 35 Gbps CIR RealTime (BSA) | R616XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must  |

| Line Item | Feature Name                     | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|----------------------------------|-----------------------------|---|
|           |                                  |                             | be combined with an ASEoD 100 Gbps Port.  |
| 1059      | ASEoD 40 Gbps CIR RealTime (BSA) | R617XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1060      | ASEoD 45 Gbps CIR RealTime (BSA) | R618XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1061      | ASEoD 50 Gbps CIR RealTime (BSA) | R619XOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1062      | ASEoD 60 Gbps CIR RealTime (BSA) | R61TXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |

| Line Item | Feature Name                      | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-----------------------------------|-----------------------------|---|
| 1063      | ASEoD 70 Gbps CIR RealTime (BSA)  | R61UXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1064      | ASEoD 80 Gbps CIR RealTime (BSA)  | R61VXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1065      | ASEoD 90 Gbps CIR RealTime (BSA)  | R61WXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1066      | ASEoD 100 Gbps CIR RealTime (BSA) | R61XXOD                     | ASEoD guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. Real time Class of Service (CoS). Must be combined with an ASEoD 100 Gbps Port. |
| 1067      | ASEoD 3PA Third Party Access      |                             |   |

| Line Item | Feature Name                            | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
| 1068      | ASEoD 500Mb Third Party Ethernet Access | S1454                       | AT&T Switched Ethernet Service Third-Party Access (3PA) is a switched Ethernet transport service providing Ethernet transport functionality using fiber facilities and a switched Ethernet core network along with access from a Third-Party Access (3PA) Provider. Requires ASEoD 3PA Committed Information Rate (CIR) to be ordered in conjunction with the 3PA Ethernet Access. Subject to availability of facilities. |
| 1069      | ASEoD 600Mb Third Party Ethernet Access | S1457                       | AT&T Switched Ethernet Service Third-Party Access (3PA) is a switched Ethernet transport service providing Ethernet transport functionality using fiber facilities and a switched Ethernet core network along with access from a Third-Party Access (3PA) Provider. Requires ASEoD 3PA Committed Information Rate (CIR) to be ordered in conjunction with the 3PA Ethernet Access. Subject to availability of facilities. |
| 1070      | ASEoD 1Gb Third Party Ethernet Access   | S1461                       | AT&T Switched Ethernet Service Third-Party Access (3PA) is a switched Ethernet transport service providing Ethernet transport functionality using fiber facilities and a switched Ethernet core network along   |

| Line Item | Feature Name  | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | with access from a Third-Party Access (3PA) Provider. Requires ASEoD 3PA Committed Information Rate (CIR) to be ordered in conjunction with the 3PA Ethernet Access. Subject to availability of facilities.   |
| 1071      | ASEoD 3PA Ethernet Access 2 Mb – 1 Gb per billable mile | 3PM11                       | Applicability of Mileage will be determined during address/site qualification. Additional charge may apply, depending on 3PA Provider and mileage.  |
| 1072      | ASEoD 3PA Bandwidth and CoS Options                     |                             |   |
| 1073      | ASEoD 2 Mbps CIR 3PA RealTime CoS                       | S3067                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1074      | ASEoD 4 Mbps CIR 3PA RealTime CoS                       | S3068                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of   |

| Line Item | Feature Name                             | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
|           |  |                             | Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities.   |
| 1075      | ASEoD 5 Mbps<br>CIR 3PA<br>RealTime CoS  | S3069                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1076      | ASEoD 8 Mbps<br>CIR 3PA<br>RealTime CoS  | S3070                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1077      | ASEoD 10 Mbps<br>CIR 3PA<br>RealTime CoS | S3071                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the  |

| Line Item | Feature Name                              | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|---|-----------------------------|---|
|           |   |                             | EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities.  |
| 1078      | ASEoD 20 Mbps<br>CIR 3PA<br>RealTime CoS  | S3072                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1079      | ASEoD 50 Mbps<br>CIR 3PA<br>RealTime CoS  | S3073                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1080      | ASEoD 100<br>Mbps CIR 3PA<br>RealTime CoS | S3074                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that  |

| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------------|-----------------------------|---|
|           |                                     |                             | the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities.  |
| 1081      | ASEoD 150 Mbps CIR 3PA RealTime CoS | S3075                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1082      | ASEoD 250 Mbps CIR 3PA RealTime CoS | S3076                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1083      | ASEoD 400 Mbps CIR 3PA RealTime CoS | S3077                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed   |



| Line Item | Feature Name                        | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|-------------------------------------|-----------------------------|---|
|           |                                     |                             | level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities.   |
| 1084      | ASEoD 500 Mbps CIR 3PA RealTime CoS | S3078                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |
| 1085      | ASEoD 600 Mbps CIR 3PA RealTime CoS | S3079                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |

| Line Item | Feature Name                               | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations  |
|-----------|--|-----------------------------|---|
| 1086      | ASEoD 1000<br>Mbps CIR 3PA<br>RealTime CoS | S3080                       | AT&T Switched Ethernet Service Third-Party Access (3PA) CIR is the guaranteed level of transmission or guaranteed bandwidth that the network will provide to the EVC. The sum total of the EVCs should not exceed the CIR. 3PA Real Time Class of Service (CoS). Requires 3PA Ethernet Access to be ordered in conjunction with the CIR. Subject to availability of facilities. |

### 23.2.1.7 MAE Service Geographic Service Areas

Bidder shall identify the locations where their EPL and EVPL MAE Services are available in Table 23.2.1.7.a. The Contractor shall provide the service where commercially available through Contractor owned facilities, third-party agreements, and as allowed by State or Federal regulations. Commitment to provide service is subject to facility availability as determined by the Bidder at time of bid submission and may be reassessed by Contractor at time of service order.

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

Special construction charges that may be required to provide this service are not included in this offering or contained within the CALNET contracts and must be acquired by the customer directly through other procurement means.

#### **Bidder understands the requirements and shall meet or exceed them? Yes**

**Table 23.2.1.7.a – Bidder's MAE Services Service Locations**

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 1                | Agoura Hills                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 2                | Alameda                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 3                | Albany                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 4                | Alhambra                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 5                | Aliso Viejo                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 6                | American Canyon                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 7                | Anaheim                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 8                | Anderson                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 9                | Antioch                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 10               | Arcadia                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 11               | Arcata                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 12               | Arroyo Grande                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 13               | Arvin                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 14               | Atascadero                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 15               | Atherton                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 16               | Atwater                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 17               | Auburn                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 18               | Avalon                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 19               | Avenal                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 20               | Bakersfield                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 21               | Baldwin Park                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 22               | Bell                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 23               | Bellflower                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 24               | Belmont                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 25               | Belvedere                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 26               | Benicia                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 27               | Berkeley                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 28               | Beverly Hills                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 29               | Biggs                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 30               | Blue Lake                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 31               | Brawley                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 32               | Brea                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 33               | Brentwood                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 34               | Brisbane                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 35               | Buena Park                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 36               | Burbank                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 37               | Burlingame                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 38               | Calabasas                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 39               | Calexico                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 40               | Calipatria                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 41               | Calistoga                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 42               | Camarillo                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 43               | Campbell                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 44               | Capitola                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 45               | Carlsbad                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 46               | Carmel-By-The-Sea                          | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 47               | Carson                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 48               | Ceres                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 49               | Chico                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 50               | Chino                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 51               | Chowchilla                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 52               | Chula Vista                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 53               | Citrus Heights                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 54               | Claremont                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 55               | Clayton                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 56               | Clearlake                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 57               | Cloverdale                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 58               | Coalinga                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 59               | Colma                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 60               | Colton                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 61               | Commerce                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 62               | Compton                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 63               | Concord                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 64               | Corning                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
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| 65               | Corona                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 66               | Coronado                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 67               | Corte Madera                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 68               | Costa Mesa                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 69               | Cotati                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 70               | Cudahy                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 71               | Culver City                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 72               | Cupertino                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 73               | Cypress                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 74               | Daly City                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 75               | Dana Point                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 76               | Danville                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 77               | Davis                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 78               | Del Mar                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 79               | Del Rey Oaks                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 80               | Delano                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 81               | Diamond Bar                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 82               | Dinuba                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 83               | Dixon                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 84               | Downey                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 85               | Dublin                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 86               | Dunsmuir                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 87               | East Palo Alto                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 88               | El Cajon                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 89               | El Centro                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 90               | El Cerrito                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 91               | El Monte                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 92               | El Paso De Robles                          | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 93               | El Segundo                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 94               | Elk Grove                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 95               | Emeryville                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 96               | Encinitas                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
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| 97               | Escalon                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 98               | Escondido                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 99               | Eureka                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 100              | Fairfax                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 101              | Fairfield                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 102              | Farmersville                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 103              | Fillmore                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 104              | Firebaugh                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 105              | Folsom                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 106              | Fontana                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 107              | Fort Bragg                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 108              | Fortuna                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 109              | Foster City                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 110              | Fountain Valley                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 111              | Fremont                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 112              | Fresno                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 113              | Fullerton                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 114              | Galt                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 115              | Garden Grove                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 116              | Gardena                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 117              | Gilroy                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 118              | Glendale                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 119              | Glendora                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 120              | Gonzales                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 121              | Grand Terrace                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 122              | Grass Valley                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 123              | Greenfield                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 124              | Gridley                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 125              | Grover Beach                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 126              | Gustine                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 127              | Half Moon Bay                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 128              | Hanford                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
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| 129              | Hawthorne                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 130              | Hayward                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 131              | Healdsburg                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 132              | Hercules                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 133              | Hermosa Beach                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 134              | Hidden Hills                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 135              | Highland                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 136              | Hillsborough                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 137              | Hollister                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 138              | Holtville                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 139              | Hughson                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 140              | Huntington Beach                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 141              | Huntington Park                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 142              | Huron                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 143              | Imperial                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 144              | Imperial Beach                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 145              | Inglewood                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 146              | Ione                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 147              | Irvine                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 148              | Jackson                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 149              | King City                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 150              | Kingsburg                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 151              | La Canada Flintridge                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 152              | La Habra                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 153              | La Mesa                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 154              | La Mirada                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 155              | La Puente                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 156              | Lafayette                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 157              | Laguna Beach                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 158              | Laguna Hills                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 159              | Laguna Niguel                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 160              | Laguna Woods                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

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| 161              | Lake Elsinore                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 162              | Lake Forest                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 163              | Lakeport                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 164              | Lakewood                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 165              | Lancaster                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 166              | Larkspur                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 167              | Lemon Grove                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 168              | Lemoore                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 169              | Lincoln                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 170              | Live Oak                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 171              | Livermore                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 172              | Livingston                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 173              | Lodi                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 174              | Lomita                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 175              | Long Beach                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 176              | Loomis                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 177              | Los Alamitos                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 178              | Los Altos                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 179              | Los Altos Hills                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 180              | Los Angeles                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 181              | Los Banos                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 182              | Los Gatos                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 183              | Loyalton                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 184              | Lynwood                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 185              | Madera                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 186              | Manhattan Beach                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 187              | Marina                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 188              | Martinez                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 189              | Marysville                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 190              | Maywood                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 191              | Mendota                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 192              | Menlo Park                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |



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| 193              | Merced                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 194              | Mill Valley                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 195              | Millbrae                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 196              | Milpitas                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 197              | Mission Viejo                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 198              | Modesto                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 199              | Monrovia                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 200              | Montague                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 201              | Montclair                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 202              | Montebello                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 203              | Monterey                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 204              | Monterey Park                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 205              | Moorpark                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 206              | Moraga                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 207              | Morgan Hill                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 208              | Morro Bay                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 209              | Mount Shasta                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 210              | Mountain View                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 211              | Napa                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 212              | National City                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 213              | Nevada City                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 214              | Newark                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 215              | Newman                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 216              | Newport Beach                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 217              | Norco                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 218              | Norwalk                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 219              | Novato                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 220              | Oakdale                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 221              | Oakland                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 222              | Oakley                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 223              | Oceanside                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 224              | Ojai                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

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| 225              | Ontario                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 226              | Orange                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 227              | Orange Cove                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 228              | Orinda                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 229              | Orland                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 230              | Oroville                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 231              | Oxnard                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 232              | Pacific Grove                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 233              | Pacifica                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 234              | Palmdale                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 235              | Palo Alto                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 236              | Paradise                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 237              | Paramount                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 238              | Parlier                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 239              | Pasadena                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 240              | Petaluma                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 241              | Pico Rivera                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 242              | Piedmont                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 243              | Pinole                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 244              | Pismo Beach                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 245              | Pittsburg                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 246              | Placentia                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 247              | Placerville                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 248              | Pleasant Hill                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 249              | Pleasanton                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 250              | Plymouth                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 251              | Point Arena                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 252              | Pomona                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 253              | Port Hueneme                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 254              | Porterville                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 255              | Portola                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 256              | Portola Valley                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 257              | Poway                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 258              | Rancho Cordova                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 259              | Rancho Cucamonga                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 260              | Rancho Santa Margarita                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 261              | Red Bluff                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 262              | Redding                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 263              | Redondo Beach                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 264              | Redwood City                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 265              | Rialto                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 266              | Richmond                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 267              | Rio Dell                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 268              | Ripon                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 269              | Riverbank                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 270              | Riverside                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 271              | Rocklin                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 272              | Rohnert Park                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 273              | Rolling Hills                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 274              | Rosemead                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 275              | Roseville                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 276              | Ross                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 277              | Sacramento                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 278              | Salinas                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 279              | San Anselmo                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 280              | San Bernardino                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 281              | San Bruno                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 282              | San Buenaventura                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 283              | San Carlos                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 284              | San Clemente                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 285              | San Diego                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 286              | San Fernando                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 287              | San Francisco                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 288              | San Gabriel                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 289              | San Jose                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 290              | San Juan Bautista                          | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 291              | San Juan Capistrano                        | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 292              | San Leandro                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 293              | San Luis Obispo                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 294              | San Marcos                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 295              | San Marino                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 296              | San Mateo                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 297              | San Pablo                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 298              | San Rafael                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 299              | San Ramon                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 300              | Sand City                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 301              | Santa Ana                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 302              | Santa Clara                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 303              | Santa Clarita                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 304              | Santa Cruz                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 305              | Santa Fe Springs                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 306              | Santa Maria                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 307              | Santa Monica                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 308              | Santa Rosa                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 309              | Santee                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 310              | Saratoga                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 311              | Sausalito                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 312              | Scotts Valley                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 313              | Seaside                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 314              | Sebastopol                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 315              | Selma                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 316              | Shafter                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 317              | Shasta Lake                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 318              | Simi Valley                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 319              | Solana Beach                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 320              | Soledad                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 321              | Sonoma                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 322              | Sonora                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 323              | South El Monte                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 324              | South Gate                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 325              | South Lake Tahoe                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 326              | South Pasadena                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 327              | South San Francisco                        | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 328              | Stanton                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 329              | Stockton                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 330              | Suisun City                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 331              | Sunnyvale                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 332              | Sutter Creek                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 333              | Tehachapi                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 334              | Tehama                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 335              | Temple City                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 336              | Thousand Oaks                              | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 337              | Tiburon                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 338              | Torrance                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 339              | Tracy                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 340              | Trinidad                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 341              | Truckee                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 342              | Tulare                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 343              | Turlock                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 344              | Tustin                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 345              | Ukiah                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 346              | Union City                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 347              | Upland                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 348              | Vacaville                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 349              | Vallejo                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 350              | Vernon                                     | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 351              | Villa Park                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

| <b>Line Item</b> | <b>Service Location – City or ZIP Code</b> | <b>EPL MAE Service 10/100 Mbps</b> | <b>EPL MAE Service 1 Gbps</b> | <b>EPL MAE Service 10 Gbps</b> | <b>EVPL MAE Service 10/100 Mbps</b> | <b>EVPL MAE Service 1 Gbps</b> | <b>EVPL MAE Service 10 Gbps</b> |
|------------------|--|------------------------------------|-------------------------------|--------------------------------|-------------------------------------|--------------------------------|---------------------------------|
| 352              | Visalia                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 353              | Vista                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 354              | Walnut Creek                               | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 355              | Wasco                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 356              | Waterford                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 357              | Watsonville                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 358              | Weed                                       | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 359              | West Covina                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 360              | West Hollywood                             | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 361              | West Los Angeles                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 362              | West Sacramento                            | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 363              | Westlake Village                           | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 364              | Westminster                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 365              | Westmorland                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 366              | Wheatland                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 367              | Whittier                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 368              | Willits                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 369              | Willows                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 370              | Windsor                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 371              | Winters                                    | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 372              | Woodlake                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 373              | Woodland                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 374              | Woodside                                   | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 375              | Yorba Linda                                | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 376              | Yountville                                 | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 377              | Yreka                                      | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |
| 378              | Yuba City                                  | Yes                                | Yes                           | Yes                            | Yes                                 | Yes                            | Yes                             |

## **23.3 NETWORK DISASTER/OPERATIONAL RECOVERY**

### **23.3.1 Telecommunications Service Priority (TSP) Program**

When applicable, the Contractor shall comply with the Telecommunications Service Priority (TSP) Program, a Federal Communications Commission (FCC) mandate for prioritizing service requests by identifying those services critical to National Security and Emergency Preparedness (NS/EP) and be in compliance with all related CPUC and FCC requirements.

**Bidder understands the requirements and shall meet or exceed them? Yes**

## **23.4 OTHER SERVICES**

### **23.4.1 Hourly Rates for Services**

The hourly classifications of hours worked for services described in this section will be as follows:

1. Regular Hours – Hours worked between 8:00AM and 4:59PM, Monday through Friday.
2. Overtime Hours – Hours worked between 5:00PM and 7:59AM, Monday through Friday and all day Saturday.
3. Sunday and Holiday Hours – Any hours worked on Sunday or State of California holidays.

When coordinated scheduling for projects between the State and the Contractor occurs, the State and the Contractor may mutually agree that hours worked between 5:00PM and 7:59AM, Monday through Friday and all day Saturday and any hours worked on Sunday or State of California holidays can be classified as Regular Hours in accordance with the State of California Department of Industrial Relations.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### **23.4.2 Services Related Infrastructure (SRI)**

The Contractor shall offer infrastructure service as defined below.

#### **23.4.2.1 Extended Demarcation Wiring Services**

The Contractor shall provide Extended Demarcation (Extended Demarc) wiring to support the services covered by this IFB C4DNCS19 Category for all of the Customer occupied buildings where services under this Contract are being offered. Extended Demarc wiring includes wire/cable related activities required

to extend the demarcation point to the Customer defined termination location or cross-connect point from the Contractor's Minimum Point of Entry (MPOE).

**Bidder understands this Requirement and shall meet or exceed it? Yes**

Extended Demarc wiring shall include the necessary wire/cable, connectors, jumpers, panel, and jack. Extended Demarc wiring shall also include associated trouble shooting, testing and labeling. Extended Demarc wiring is limited to the following:

1. Installation of cabling for extending services from the MPOE location to the Customer's point of utilization;
2. Installation of cross-connects or rearrangement of existing jumpers;
3. Identification and testing of existing cabling beyond the MPOE to the Customer's Equipment location; and,
4. Installation intervals shall be in accordance with the timeframes identified for the services that this cabling will support, and shall be subject to the SLAs associated with that service.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

The Contractor shall not be required to complete Extended Demarc wiring from the MPOE to the extended Demarc location if:

1. The wire/cable pathway is blocked, and cannot be cleared without significant effort or damage to the Customer site;
2. The wire/cable pathway is in an asbestos or other environment hazardous to the Contractor's personnel, or where such work would be hazardous to the public or to the Customer's staff; or,
3. Upon written release provided by either the Customer or by the CALNET Program.

The Bidder shall provide a price in the Cost Worksheets for all labor and materials required for Extended Demarc wiring necessary to complete the provisioning of one Demarc extension as described herein. The Bidder shall provide one price for each media identified.

Wiring will be installed according to industry Standards and cabling recommendations published in the State Telecommunications Management Manual (STMM), Facilities Management Chapter, and Uniform Building Cabling/Wiring current at the time of this IFB and as periodically updated by the CALNET Program. Additionally, all wiring installation and maintenance activities



will be in accordance with all applicable EIA/TIA, BICSI, and ITU-T recommended standards current at the time of installation or maintenance.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

Bidder shall provide the Extended Demarcation Wiring Services described in Table 23.4.2.1.

**Table 23.4.2.1 – Extended Demarcation Wiring Services**

| <b>Line Item</b> | <b>Feature Name</b>                           | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|--|---|------------------------------------|---|
| 1                | Extended Demarcation -Copper – Regular Hours  | 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. | AT&T assumes customer has adequate pathways.                      | EDCR                               | Yes                                       |
| 2                | Extended Demarcation -Copper – Overtime Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDCO                               | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>                                     | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|--|---|------------------------------------|---|
| 3                | Extended Demarcation -Copper – Sunday and Holiday Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDCH                               | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>                                  | <b>Feature Description</b>  | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|--|---|---|------------------------------------|---|
| 4                | Extended Demarcation -Copper 25 Pair – Regular Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDC25R                             | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>                                   | <b>Feature Description</b>  | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|---|---|------------------------------------|---|
| 5                | Extended Demarcation -Copper 25 Pair – Overtime Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDC25O                             | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>   | <b>Feature Description</b>  | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|---|---|------------------------------------|---|
| 6                | Extended Demarcation -Copper 25 Pair – Sunday and Holiday Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDC25H                             | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>                                       | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|--|---|------------------------------------|---|
| 7                | Extended Demarcation - Optical Fiber Link – Regular Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDOR                               | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>  | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|--|--|---|------------------------------------|---|
| 8                | Extended Demarcation - Optical Fiber Link – Overtime Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDOO                               | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>  | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b> | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|--|--|---|------------------------------------|---|
| 9                | Extended Demarcation - Optical Fiber Link – Sunday and Holiday Hours | 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. | AT&T assumes customer has adequate pathways.                      | EDOH                               | Yes                                       |

#### 23.4.2.2 Unsolicited Services Related Infrastructure

Bidder may offer additional unsolicited Services Related Infrastructure in Table 23.4.2.2.



**Table 23.4.2.2 – Unsolicited Services Related Infrastructure**

| Line Item | Feature Name | Bidder's Product Identifier | Bidder's Product Description, Restrictions and Limitations |
|-----------|--------------|-----------------------------|--|
|-----------|--------------|-----------------------------|--|

### 23.4.3 Services Related Hourly Support

The Contractor shall provide labor for the diagnosis and/or repair of services listed in this Contract and all costs for repair are the responsibility of the service provider unless it is specifically determined that the cause of service failure is outside the scope of the Contractors responsibilities. Work performed under this Section 23.4.3 is authorized only for situations where the Contractor has dispatched personnel to diagnose a service problem that is discovered to be caused by factors outside the responsibility of the Contractor or no trouble is found.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

In Cost Worksheet 23.4.3, the Contractor shall provide a fixed hourly rate schedule for the labor classifications required to diagnose and/or repair the contracted services. The rates identified shall only be used for the diagnosis and/or repair of contracted services and no materials shall be included in the rates. The total amount of labor hours permitted to be performed is ten hours per dispatch/occurrence.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

The Contractor shall offer emergency restoration services as detailed in Table 23.4.3.3.

**Table 23.4.3.3 – Services Related Hourly Support**

| <b>Line Item</b> | <b>Feature Name</b>                           | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b>   | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|---|--|---|------------------------------------|---|
| 1                | Field Service Repair Technician Regular Hours | 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. | 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 during Regular Hours. | MVV                                | Yes                                       |

| <b>Line Item</b> | <b>Feature Name</b>                                      | <b>Feature Description</b>   | <b>Bidder's Product Description, Restrictions and Limitations</b>  | <b>Bidder's Product Identifier</b> | <b>Bidder Meets or Exceeds? Yes or No</b> |
|------------------|--|--|--|------------------------------------|---|
| 2                | Field Service Repair Technician Overtime Hours           | 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. | 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 after regular hours.     | MVVO                               | Yes                                       |
| 3                | Field Service Repair Technician Sunday and Holiday Hours | 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. | 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 on Weekends or Holidays. | MVVH                               | Yes                                       |

## **23.5 SERVICE LEVEL AGREEMENTS (SLA)**

The Contractor shall provide Service Level Agreements (SLAs) as defined below. The intent of this section is to provide Customers, CALNET Program and the Contractor with requirements that define and assist in the management of the SLAs. This section includes the SLA formats, general requirements, stop clock conditions, and the Technical SLAs for the services identified in this solicitation.

### **23.5.1 Service Level Agreement Format**

The Contractor shall adhere to the following format and include the content as described below for each Technical SLA added by the Contractor throughout the Term of the Contract:

1. SLA Name – Each SLA Name must be unique;
2. Definition - Describes what performance metric will be measured;
3. Measurements Process - Provides instructions how the Contractor will continuously monitor and measure SLA performance to ensure compliance. The Contractor shall provide details describing how and what will be measured. Details should include source of data and define the points of measurement within the system, application, or network;
4. Service(s) - All applicable services will be listed in each SLA;
5. Objective(s) – Defines the SLA performance goal/parameters; and,
6. Rights and Remedies
7. Per Occurrence: Rights and remedies are paid on a per event basis during the bill cycle; and,
8. Monthly Aggregated Measurements: Rights and remedies are paid once during the bill cycle based on an aggregate of events over a defined period of time.

The Contractor shall proactively apply a credit or refund when a SLA objective is not met. CALNET SLA Rights and Remedies do not require the Customer to submit a request for credit or refund.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### **23.5.2 Technical Requirements versus SLA Objectives**

Sections 23.2 (Ethernet Services), 23.3 (Network Disaster/Operational Recovery) and 23.4 (Other Services) define the technical requirements for each service. These requirements are the minimum parameters each Bidder must meet in order

to qualify for Contract award. Upon Contract award the committed technical requirements will be maintained throughout the remainder of the Contract.

Committed SLA objectives are minimum parameters which the Contractor shall be held accountable for all rights and remedies throughout Contract Term.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### 23.5.3 Methods of Outage Reporting: Customer or Contractor

There are two methods in which CALNET service failures or quality of service issues may be reported and Contractor trouble tickets opened: Customer reported or Contractor reported.

The first method of outage reporting results from a Customer reporting service trouble to the Contractor's Customer Service Center via phone call or opening of a trouble ticket using the on-line Trouble Ticket Reporting Tool (SOW Business Requirements Section G.10.4, Trouble Ticket Reporting Tool (TRT)).

The second method of outage reporting occurs when the Contractor opens a trouble ticket as a result of network/system alarm or other method of service failure identification. In each instance the Contractor shall open a trouble ticket using the Trouble Ticket Reporting Tool (SOW Business Requirements Section G.10.4) and monitor and report to Customer until service is restored.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### 23.5.4 Bidder Response to Service Level Agreements

Many of the Service Level Agreements described below include multiple objective levels – Basic, Standard and Premier. Bidders shall indicate one specific objective level they are committing to for each service in space provided in the "Objective" section of each SLA description.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### 23.5.5 Contractor SLA Management Plan

Within 90 calendar days of Contract award, the Contractor shall provide CALNET CMO with a detailed SLA Management Plan that describes how the Contractor will manage the Technical SLAs for services in this IFB. The SLA Management plan shall provide processes and procedures to be implemented by the Contractor. The SLA Management Plan shall define the following:

1. Contractor SLA Manager and supporting staff responsibilities;

2. Contractor's process for measuring objectives for each SLA. The process shall explain how the Contractor will continuously monitor and measure SLA performance to ensure compliance. The Contractor shall provide details describing how and what will be measured. Details should include source of data and define the points of measurement within the system, application, or network;
3. Creation and delivery of SLA Reports (SOW Business Requirements Section G.10.5). The Contractor shall include a sample report in accordance with SOW Business Requirements Section G.10.5, SLA Reports for the following: SLA Service Performance Report (SOW Business Requirements Section G.10.5.1), SLA Provisioning Report (SOW Business Requirements Section G.10.5.2), SLA Catastrophic Outage Reports (SOW Business Requirements Section G.10.5.3), and Trouble Ticket and Provisioning/SLA Credit Report (SOW Business Requirements Section G.10.5.4). The Contractor shall commit to a monthly due date. The reports shall be provided to the CALNET Program via the Private Oversight Website (SOW Business Requirements Section G.10.2);
4. SLA invoicing credit and refund process;
5. Contractor SLA problem resolution process for SLA management and SLA reporting. The Contractor shall provide a separate process for Customers and CALNET Program; and,
6. Contractor SLA Manager to manage all SLA compliance and reporting. The Contractor shall include SLA Manager contact information for SLA inquiries and issue resolution for Customer and CALNET Program.

**Bidder understands this Requirement and shall meet or exceed it? Yes**

### 23.5.6 Technical SLA General Requirements

The Contractor shall adhere to the following general requirements which apply to all CALNET Technical SLAs (Section 23.5.8):

1. With the exception of the Provisioning SLA (Section 23.5.8.9), the total SLA rights and remedies for any given month shall not exceed the sum of 100% of the Total Monthly Recurring Charges (TMRC). Services with usage charges shall apply the Average Daily Usage Charge (ADUC) in addition to any applicable TMRC rights and remedies;
2. If a circuit or service fails to meet one or more of the performance objectives, only the SLA with the largest monthly Rights and Remedies will be credited to the Customer, per event;
3. The Contractor shall apply CALNET SLAs and remedies for services provided by Subcontractors and/or Affiliates;

4. The Definition, Measurement Process, Objectives, and Rights and Remedies shall apply to all services identified in each SLA. If a Category or Subcategory is listed in the SLA, then all services under that Category or Subcategory are covered under the SLA. Exceptions must be otherwise stated in the SLA; and,
5. TMRC rights and remedies shall include the service, option(s), and feature(s) charges.

**Bidder understands this requirement and shall meet or exceed it? Yes**

6. The Contractor shall proactively and continuously monitor and measure all Technical SLA objectives.

**Bidder understands this requirement and shall meet or exceed it? Yes**

7. The Contractor shall proactively credit all rights and remedies to the Customer within 60 calendar days of the trouble resolution date on the trouble ticket or within 60 calendar days of the Due Date on the Service Request for the Provisioning SLA.

**Bidder understands this requirement and shall meet or exceed it? Yes**

8. To the extent that Contractor offers additional SLAs, or SLAs with more advantageous rights and/or remedies for same or similar services offered through tariffs, online service guides, or other similarly situated government contracts (Federal, State, County, City), The State will be entitled to the same rights and/or remedies therein. The Contractor shall present the SLAs to CALNET Program for possible inclusion via amendments;
9. The Contractor shall apply CALNET DNCS SLAs and remedies to services provided in all areas the Contractor provides service and/or open to competition (as defined by the CPUC). Any SLAs and remedies negotiated between Contractor and Incumbent Local Exchange Carriers in territories closed to competition shall be passed through to the CALNET DNCS Customer;
10. The election by CALNET Program of any SLA remedy covered by this Contract shall not exclude or limit CALNET Program or any Customer's rights and remedies otherwise available within the Contract or at law or equity;
11. The Contractor shall apply rights and remedies when a service fails to meet the SLA objective even when backup or protected services provide Customer with continuation of services;
12. The Contractor shall act as the single point of contact in coordinating all entities to meet the State's needs for provisioning, maintenance,

- restoration and resolution of service issues or that of their Subcontractors, Affiliates or resellers under this Contract;
13. The Customer Escalation Process and/or the CALNET CMO Escalation Process shall be considered an additional right and remedy if the Contractor fails to resolve service issues within the SLA objective(s);
14. Trouble reporting and restoration shall be provided 24x7 for CALNET services;

**Bidder understands this requirement and shall meet or exceed it? Yes**

15. SLAs apply 24x7 unless SLA specifies an exception;
16. Contractor invoices shall clearly cross reference the SLA credit to the service Circuit ID in accordance with SOW Business Requirements Section G.6;

**Bidder understands this requirement and shall meet or exceed it? Yes**

17. The Contractor shall provide a CALNET DNCS SLA Manager responsible for CALNET DNCS SLA compliance. The SLA Manager shall attend regular meetings and be available upon request to address CALNET Program SLA oversight, report issues, and problem resolution concerns. The CALNET DNCS SLA Manager shall also coordinate SLA support for Customer SLA inquiries and issue resolution;
18. The Contractor shall provide Customer and CALNET Program support for SLA inquiries and issue resolution; and,
19. Any SLAs and remedies negotiated between Contractor and third party service provider in territories closed to competition shall be passed through to the CALNET DNCS Customer.

**Bidder understands the requirements and shall meet or exceed them? Yes**

**23.5.7 Trouble Ticket Stop Clock Conditions**

Only the following conditions shall be allowed to stop the duration of the Service Level Agreements. The Contractor shall document durations using the Stop Clock Condition (SCC) listed in Table 23.5.7, which must include start and stop time stamps in the Contractor's Trouble Ticket Reporting Tool (SOW Business Requirements Section G.10.4) or Customer provisioning Service Request for each application of an SCC.

**Bidder understands the requirements and shall meet or exceed them? Yes**

The Contractor shall not consider "cleared while testing" or "no trouble found" as a SCC.



**Bidder understands the requirements and shall meet or exceed them? Yes**

Contractor observation timeframes, not requested by End-User, after incident resolution shall not be included in Outage Duration reporting.

**Bidder understands the requirements and shall meet or exceed them? Yes**

Note: The Glossary (SOW Appendix A) defines term "End-User" as the "individual within an Entity that is receiving services and/or features provided under the Contract."

Table 23.5.7 Stop Clock Conditions

| Line Item | Stop Clock Condition (SCC) | SCC Definition  |
|-----------|----------------------------|---|
| 1         | END-USER REQUEST           | Periods when a restoration or testing effort is delayed at the specific request of the End-User. The SCC shall exist during the period the Contractor was delayed, provided that the End-User's request is documented and time stamped in the Contractor's trouble ticket or Service Request system and shows efforts are made to contact the End-User during the applicable Stop Clock period.   |
| 2         | OBSERVATION                | Time after a service has been restored but End-User request ticket is kept open for observation. If the service is later determined by the End-User to not have been restored, the Stop Clock shall continue until the time the End-User notifies the Contractor that the Service has not been restored.  |
| 3         | END-USER NOT AVAILABLE     | Time after a service has been restored but End-User is not available to verify that the Service is working. If the service is later determined by the End-User to not have been restored, the Stop Clock shall apply only for the time period between Contractor's reasonable attempt to notify the End-User that Contractor believes the service has been restored and the time the End-User notifies the Contractor that the Service has not been restored. |

| Line Item | Stop Clock Condition (SCC)  | SCC Definition  |
|-----------|-----------------------------|---|
| 4         | WIRING                      | Restoration cannot be achieved because the problem has been isolated to wiring that is not maintained by Contractor or any of its Subcontractors or Affiliates. If it is later determined the wiring is not the cause of failure, the SCC shall not apply.  |
| 5         | POWER                       | Trouble caused by a power problem outside of the responsibility of the Contractor.  |
| 6         | CUSTOMER PROVISIONING DELAY | Delays to Provisioning caused by lack of Customer's building entrance Facilities, conduit structures that are the Customer's responsibilities or Extended demarcation wiring. If the Service Providing Contractor has been contracted by the Customer for extended demarcation, this SCC shall not apply to missed dates/times. The Customer Provisioning Delay SCC is restricted to Provisioning SLAs only.  |
| 7         | ACCESS                      | Limited access or contact with End-User provided the Contractor documents in the trouble ticket several efforts to contact End-User for the following: <ul style="list-style-type: none"> <li>a. Access necessary to correct the problem is not available because access has not been arranged by site contact or End-User representative;</li> <li>b. Site contact refuses access to technician who displays proper identification;</li> <li>c. Customer provides incorrect site contact information which prevents access, provided that Contractor takes reasonable steps to notify End-User of the improper contact information and takes steps to obtain the correct information; or,</li> </ul> |

| Line Item | Stop Clock Condition (SCC) | SCC Definition   |
|-----------|----------------------------|--|
|           |                            | <p>d. Site has limited hours of business that directly impacts the Contractor's ability to resolve the problem.</p> <p>If it is determined later that the cause of the problem was not at the site in question, then the Access SCC shall not apply.</p>   |
| 8         | STAFF                      | Any problem or delay to the extent caused by End-User's staff that prevents or delays Contractor's resolution of the problem. In such event, Contractor shall make a timely request to End-User staff to correct the problem or delay and document in trouble ticket.  |
| 9         | APPLICATION                | End-User software applications that interfere with repair of the trouble.  |
| 10        | CPE                        | Repair/replacement of Customer Premise Equipment (CPE) not provided by Contractor if the problem has been isolated to the CPE. If determined later that the CPE was not the cause of the service outage, the CPE SCC will not apply.   |
| 11        | NO RESPONSE                | Failure of the trouble ticket originator or responsible End-User to return a call from Contractor's technician for on-line close of trouble tickets after the Service has been restored as long as Contractor can provide documentation in the trouble ticket substantiating the communication from Contractor's technician. |

| Line Item | Stop Clock Condition (SCC) | SCC Definition   |
|-----------|----------------------------|--|
| 12        | MAINTENANCE                | An outage directly related to any properly performed scheduled maintenance or upgrade scheduled for CALNET DNCS service. Any such stop clock condition shall not extend beyond the scheduled period of the maintenance or upgrade. SLAs shall apply for any maintenance caused outage beyond the scheduled maintenance period. Outages occurring during a scheduled maintenance or upgrade period and not caused by the scheduled maintenance shall not be subject to the Maintenance SCC. |
| 13        | THIRD PARTY                | Any problem or delay caused by a third party not under the control of Contractor, not preventable by Contractor, including, at a minimum, cable cuts not caused by the Contractor. Contractor's Subcontractors and Affiliates shall be deemed to be under the control of Contractor with respect to the equipment, services, or Facilities to be provided under this Contract.   |
| 14        | FORCE MAJEURE              | Force Majeure events, as defined in the eVAQ General Provisions - Telecommunications, Section 28 (Force Majeure).  |
| 15        | CUSTOMER ENVIRONMENTAL     | An outage directly caused by customer premise environmental conditions, which are outside the control and responsibility of the Contractor. This includes a non-secured location, excessive heat or lack of cooling. If determined later that the environmental conditions were not the cause of the service outage, or a result of the Contractor modifying Contractor provided equipment without Customer's approval, the Customer Environmental SCC will not apply.                     |

**Bidder understands the requirements and shall meet or exceed them? Yes**

The Contractor shall provide and manage the following Technical SLAs.

## 23.5.8 Technical Service Level Agreements (SLA)

### 23.5.8.1 Availability (M-S)

**SLA Name:** Availability

**Definition:**

The percentage of time a CALNET MAE service is fully functional and available for use each calendar month.

**Measurement Process:**

The monthly Availability Percentage shall be based on the accumulative total of all Unavailable Time derived from all trouble tickets closed, for the individual affected service (per Circuit ID or Service ID), per calendar month. The monthly Availability Percentage equals the Scheduled Uptime per month less Unavailable Time per month divided by Scheduled Uptime per month multiplied by 100. Scheduled Uptime is based on 24 x number of days in the month. All Unavailable Time applied to other SLAs, which results in a remedy, will be excluded from the monthly accumulated total.

**Services:**

MAE Services  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEWS) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

**Objectives:**

The objective will be based on the access type identified in the table below:

| <b>Access Type</b>                      | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|---|------------------|---------------------|--------------------|--|
| EPL and EVPL MAE Service<br>10/100 Mbps | ≥ 99.2%          | ≥ 99.5%             | ≥ 99.9%            | S  |

| <b>Access Type</b>                               | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|--|------------------|---------------------|--------------------|--|
| EPL and EVPL MAE Service 1 Gbps                  | ≥ 99.2%          | ≥ 99.5%             | ≥ 99.9%            | S  |
| EPL and EVPL MAE Service 10 Gbps                 | ≥ 99.2%          | ≥ 99.5%             | ≥ 99.9%            | S  |
| AT&T Switched Ethernet (ASE) Service             |                  | ≥ 99.5%             |                    | S  |
| AT&T Dedicated Ethernet (ADE) Service            |                  | ≥ 99.5%             |                    | S  |
| Opt-E-WAN (OEWS) Service                         |                  | ≥ 99.5%             |                    | S  |
| EPLS-WAN Service                                 |                  | ≥ 99.5%             |                    | S  |
| AT&T Managed Router Solution (MRS)               |                  | ≥ 99.5%             |                    | S  |
| AT&T Switched Ethernet on Demand (ASEoD) Service |                  | ≥ 99.5%             |                    | S  |

### **Rights and Remedies:**

#### **1. Per Occurrence:**

- End-User Escalation Process
- CALNET CMO Escalation Process

#### **2. Monthly Aggregated Measurements:**

- First month to fail to meet the committed SLA objective shall result in a 15% credit or refund of the TMRC.
- The second consecutive month to fail to meet the committed SLA objective shall result in a 30% credit or refund of TMRC.

- Each additional consecutive month to fail to meet the committed SLA objective shall result in a 50% credit or refund of the TMRC.

**Bidder understands the requirements and shall meet or exceed them? Yes**

**23.5.8.2 Catastrophic Outage 1 (CAT 1) (M-S)**

**SLA Name:** Catastrophic Outage 1 (CAT 1)

**Definition:**

The total loss of service at a single address based on a common cause resulting in the failure of five UNIs or any cumulative UNI failure equal to, or greater than, 10 Gbps.

**Measurement Process:**

The Outage Duration begins when a network alarm is received by the Contractor from an outage-causing event or the opening of a trouble ticket by a Customer, or the Contractor, whichever occurs first. The Contractor shall open a trouble ticket for each service (Circuit ID or Service ID) affected by the common cause. Each End-User service is deemed out of service from the first notification until the Contractor determines the End-User service (Circuit ID or Service ID) is restored minus SCC. Any service reported by a Customer as not having been restored shall have the outage time adjusted to the actual restoration time.

**Services:**

MAE Service  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEWS) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

**Objectives:**

The objective restoral time will be:

| <b>Access Type</b>                               | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|--|------------------|---------------------|--------------------|--|
| MAE Service                                      | ≤ 3 hours        | ≤ 2 hours           | ≤ 1 hour           | S  |
| AT&T Switched Ethernet (ASE) Service             |                  | ≤ 2 hours           |                    | S  |
| AT&T Dedicated Ethernet (ADE) Service            |                  | ≤ 2 hours           |                    | S  |
| Opt-E-WAN (OEWS) Service                         |                  | ≤ 2 hours           |                    | S  |
| EPLS-WAN Service                                 |                  | ≤ 2 hours           |                    | S  |
| AT&T Managed Router Solution (MRS)               |                  | ≤ 2 hours           |                    | S  |
| AT&T Switched Ethernet on Demand (ASEoD) Service |                  | ≤ 2 hours           |                    | S  |

#### **Rights and Remedies:**

##### 1. Per Occurrence:

- 100% credit or refund of the TMRC for each End-User service not meeting the committed objective for each CAT 1 fault.

##### 2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.5.8.3 Catastrophic Outage 2 (CAT 2) (M-S)

**SLA Name:** Catastrophic Outage 2 (CAT 2)

#### **Definition:**

Any service affecting failure in the Contractor's (or subcontractor's or Affiliate's) network up to and including the Provider Edge (PE) equipment.



### Measurement Process:

The Outage Duration begins when a network alarm is received by the Contractor from the outage-causing event or the opening of a trouble ticket by the Customer or Contractor, whichever occurs first. Upon notification from the Customer or network alarm, the Contractor shall compile a list for each End-User service affected by the common cause for tracking and reporting of the SLA rights and remedies. Outage Duration shall be measured on a per-End-User service (Circuit ID or Service ID) basis from information recorded from the network equipment/system or a Customer reported trouble ticket. Each End-User service (Circuit ID or Service ID) is deemed out of service from the first notification until the Contractor determines the End-User service is restored. Any End-User service reported by the End-User/Customer as not having been restored shall have the outage time adjusted to the actual restoration time.

### Services:

MAE Services  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEWS) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

### Objectives:

The objective restoral time will be:

| Access Type                           | Basic (B) | Standard (S) | Premier (P)  | Bidder's Objective Commitment (B, S or P) |
|---------------------------------------|-----------|--------------|--------------|---|
| MAE Service                           | ≤ 1 Hour  | ≤ 30 Minutes | ≤ 15 Minutes | S   |
| AT&T Switched Ethernet (ASE) Service  |           | ≤ 30 Minutes |              | S   |
| AT&T Dedicated Ethernet (ADE) Service |           | ≤ 30 Minutes |              | S   |

|  |  |              |  |    |
|--|--|--------------|--|----|
| Opt-E-WAN (OEWS) Service                         |  | ≤ 30 Minutes |  | \$ |
| EPLS-WAN Service                                 |  | ≤ 30 Minutes |  | \$ |
| AT&T Managed Router Solution (MRS)               |  | ≤ 30 Minutes |  | \$ |
| AT&T Switched Ethernet on Demand (ASEoD) Service |  | ≤ 30 Minutes |  | \$ |

### **Rights and Remedies:**

1. Per Occurrence:

- 100% credit or refund of the for each End-User service not meeting the committed objective per occurrence objective for a single CAT 2 fault.

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### **23.5.8.4 Catastrophic Outage 3 (CAT 3) (M-S)**

*SLA Name: Catastrophic Outage 3 (CAT 3)*

#### **Definition:**

The total loss of more than one service type in central office, or the loss of any service type on a system wide basis.

#### **Measurement Process:**

The Outage Duration begins when a network alarm is received by the Contractor from an outage-causing event or the opening of a trouble ticket by the Customer or the Contractor, whichever occurs first. Upon notification from the Customer or network alarm, the Contractor shall open a trouble ticket and compile a list for each End-User service (Circuit ID or Service ID) affected by the common cause for tracking and reporting of the SLA rights and remedies. Outage Duration shall be measured on a per-End-User service (Circuit ID or Service ID) basis from information recorded from the network

equipment/system or trouble ticket. Each End-User service (Circuit ID or Service ID) is deemed out of service from the first notification until the Contractor determines the End-User service is restored. Any End-User service reported by the End-User/Customer as not having been restored shall have the outage time adjusted to the actual restoration time.

**Services:**

MAE Service  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEW) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

**Objectives:**

The objective restoral time will be:

| <b>Access Type</b>                    | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B or P)</b> |
|---------------------------------------|------------------|---------------------|--------------------|---|
| MAE Service                           | ≤ 30 Minutes     | N/A                 | ≤ 15 Minutes       | P   |
| AT&T Switched Ethernet (ASE) Service  |                  |                     | ≤ 15 Minutes       | P   |
| AT&T Dedicated Ethernet (ADE) Service |                  |                     | ≤ 15 Minutes       | P   |
| Opt-E-WAN (OEW) Service               |                  |                     | ≤ 15 Minutes       | P   |
| EPLS-WAN Service                      |                  |                     | ≤ 15 Minutes       | P   |
| AT&T Managed Router Solution (MRS)    |                  |                     | ≤ 15 Minutes       | P   |

| Access Type                                      | Basic (B) | Standard (S) | Premier (P)  | Bidder's Objective Commitment (B or P) |
|--|-----------|--------------|--------------|--|
| AT&T Switched Ethernet on Demand (ASEoD) Service |           |              | ≤ 15 Minutes | P                                      |

### Rights and Remedies:

1. Per Occurrence:

- 100% credit or refund of the TMRC for each service (Circuit ID or Service ID) not meeting the committed objective for each Cat 3 fault.

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.5 Excessive Outage (M-S)

**SLA Name:** Excessive Outage

**Definition:**

Any failure that prevents full functionality of the service that remains unresolved for more than the committed objective level.

**Measurement Process:**

This SLA is based on trouble ticket Unavailable Time. The circuit or service is not fully functional during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If the Customer reports a partial or complete service that is not fully functional and remains unresolved after the closure of the trouble ticket by the Contractor, the Unavailable Time shall be adjusted to the actual restoration time.

**Services:**

MAE Service  
AT&T Switched Ethernet (ASE) Service

AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEWS) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

### Objectives:

The Unavailable Time objective shall not exceed:

| <b>Access Type</b>                               | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|--|------------------|---------------------|--------------------|--|
| MAE Service                                      | ≤ 16 Hours       | ≤ 12 Hours          | ≤ 8 Hours          | S  |
| AT&T Switched Ethernet (ASE) Service             |                  | ≤ 12 Hours          |                    | S  |
| AT&T Dedicated Ethernet (ADE) Service            |                  | ≤ 12 Hours          |                    | S  |
| Opt-E-WAN (OEWS) Service                         |                  | ≤ 12 Hours          |                    | S  |
| EPLS-WAN Service                                 |                  | ≤ 12 Hours          |                    | S  |
| AT&T Managed Router Solution (MRS)               |                  | ≤ 12 Hours          |                    | S  |
| AT&T Switched Ethernet on Demand (ASEoD) Service |                  | ≤ 12 Hours          |                    | S  |

### Rights and Remedies:

#### 1. Per Occurrence:

- 100% credit or refund of the TMRC for each service (Circuit ID or Service ID) out of service for a period greater than the committed objective level.

- Upon request from the Customer or the CALNET Program, the Contractor shall provide a briefing on the excessive outage restoration.

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.6 Notification

**SLA Name:** Notification

**Definition:**

The Contractor notification to the CALNET Program and designated stakeholders in the event of a CAT 2 or CAT 3 failure, terrorist activity, threat of natural disaster, or actual natural disaster which results in a significant loss of telecommunication services to CALNET DNCS End-Users or has the potential to impact services in a general or statewide area. The State understands initial information requiring the nature of the outage may be limited.

**Measurement Process:**

The Contractor shall adhere to the Network Outage Response requirements (SOW Business Requirements Section G.3.3, Network Outage Response) and notify the CALNET Program and designated stakeholders for all CAT 2 and CAT 3 Outages or for network outages resulting in a significant loss of service. Notification objectives will be based on the start time of the outage failure determined by the opening of a trouble ticket or network alarm, whichever occurs first. For events based on information such as terrorist activity or threat of natural disaster, the Contractor shall notify the CALNET Program and designated stakeholder when information is available for dissemination to the Customers.

**Services:**

All services

**Objectives:**

Within 60 minutes of the above mentioned failures' start time, the Contractor shall notify the CALNET Program and designated stakeholders using a method defined in SOW Business Requirements, Network Outage Response.

At 60-minute intervals, updates shall be given on the above-mentioned failures via the method defined in SOW Business Requirements, Network Outage Response.

This objective is the same for Basic, Standard and Premier Commitments.

*Rights and Remedies:*

1. Per Occurrence:
  - Senior Management Escalation
2. Monthly Aggregated Measurements:
  - N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.7 Latency (M-S)

**SLA Name:** Latency

**Definition:**

Latency is the amount of time necessary for a typical Ethernet frame to traverse one way from the originating UNI, across the Contractor's, Affiliate, or Subcontractor's network, to the remote UNI(s) on each EVC identified by the Customer.

**Measurement Process:**

End-User/Customer is responsible for opening a trouble ticket with the Contractor's Customer Service Center (helpdesk) when the Latency exceeds the committed level. Latency shall be measured from the first bit of and Ethernet frame entering the ingress UNI to when the last bit of the same frame leaves the egress UNI. The problem requires timely verification, consistent with industry standards, by the Contractor. Tickets identified as a Latency issue shall not count in Availability or Time-to-Repair measurements unless and until the End-User reports service as unusable for its intended uses.

This measurement includes the local loop transport under the control of the Contractor and any local loops acquired from a third party by the Contractor.

**Services:**

MAE Service

AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEWS) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

### Objectives:

The Unavailable Time objective shall not exceed:

| Access Type                                      | Basic (B) | Standard (S) | Premier (P) | Bidder's Objective Commitment (B, S or P) |
|--|-----------|--------------|-------------|---|
| MAE Service                                      | ≤ 75ms    | ≤ 50ms       | ≤ 25ms      | S   |
| AT&T Switched Ethernet (ASE) Service             |           | ≤ 50ms       |             | S   |
| AT&T Dedicated Ethernet (ADE) Service            |           | ≤ 50ms       |             | S   |
| Opt-E-WAN (OEWS) Service                         |           | ≤ 50ms       |             | S   |
| EPLS-WAN Service                                 |           | ≤ 50ms       |             | S   |
| AT&T Managed Router Solution (MRS)               |           | ≤ 50ms       |             | S   |
| AT&T Switched Ethernet on Demand (ASEoD) Service |           | ≤ 50ms       |             | S   |

### Rights and Remedies:

#### 1. Per Occurrence:

- First month the service fails to meet the committed SLA objectives shall result in a 15% credit or refund of the TMRC for the reported service.



- Next consecutive month to fail to meet the committed SLA objectives shall result in a 25% credit or refund of the TMRC.
- Each additional consecutive month to fail to meet the committed SLA objective shall result in a 35% credit or refund of the TMRC.

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

#### 23.5.8.8 Packet Loss (M-S)

**SLA Name:** Packet Loss

**Definition:**

A measurement of lost or dropped packet traveling across the Contractor's, Affiliate's or Subcontractor's network. Packet loss is the difference between the number of packets transmitted at the ingress UNI and the total number of packets received at the egress UNI.

**Measurement Process:**

End-User/Customer is responsible for opening a trouble ticket with the Contractor's Customer Service Center (helpdesk) when the packet loss exceeds the committed level. The problem requires timely verification, consistent with industry standards, by the Contractor. Tickets identified as a packet loss issue shall not count in Availability or Time-to-Repair measurements unless and until the End-User reports service as unusable for its intended uses.

This measurement includes the local loop transport under the control of the Contractor and any local loops acquired from a third party by the Contractor.

**Services:**

MAE Service  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEW) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

**Objectives:**

The Unavailable Time objective shall not exceed:

| <b>Access Type</b>                               | <b>Basic (B)</b>  | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|--|-------------------|---------------------|--------------------|--|
| MAE Service                                      | ≤ .7% Packet Loss | ≤ .5% Packet Loss   | ≤ .2% Packet Loss  | S  |
| AT&T Switched Ethernet (ASE) Service             |                   | ≤ .5% Packet Loss   |                    | S  |
| AT&T Dedicated Ethernet (ADE) Service            |                   | ≤ .5% Packet Loss   |                    | S  |
| Opt-E-WAN (OEWS) Service                         |                   | ≤ .5% Packet Loss   |                    | S  |
| EPLS-WAN Service                                 |                   | ≤ .5% Packet Loss   |                    | S  |
| AT&T Managed Router Solution (MRS)               |                   | ≤ .5% Packet Loss   |                    | S  |
| AT&T Switched Ethernet on Demand (ASEoD) Service |                   | ≤ .5% Packet Loss   |                    | S  |

**Rights and Remedies:**

1. Per Occurrence:

- First month the service fails to meet the committed SLA objectives shall result in a 15% credit or refund of the TMRC for the reported service.
- Next consecutive month to fail to meet the committed SLA objectives shall result in a 25% credit or refund of the TMRC.
- Each additional consecutive month to fail to meet the committed SLA objective shall result in a 35% credit or refund of the TMRC.

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

**23.5.8.9 Provisioning (M-S)**

**SLA Name:** Provisioning

**Definition:**

Provisioning shall include new services, moves, adds and changes, completed by the Contractor on or before the due dates. The Provisioning SLA shall be based on committed installation intervals established in this SLA or due dates negotiated between the Customer and the Contractor documented on the Contractor's order confirmation notification or Contracted Project Work SOW in accordance with SOW Business Requirements Section G.2.5.4, Provisioning and Implementation. The Contractor shall meet the committed interval dates or due date negotiated with the Customer. If the Customer agrees to a negotiated due date, the negotiated due date supersedes the committed interval. At the Customer's discretion, if the scope of the Service Request(s) meets the Coordinated or Managed Project criteria, negotiated due dates will be established and documented in the Project Timeline per SOW Business Requirements Section G.8, Contracted Service Project Work.

**Provisioning SLAs have two objectives:**

Objective 1: Individual service installation; and,

Objective 2: Successful Install Monthly Percentage by service type.

Note: Provisioning timelines include extended demarcation wiring when appropriate.

**Measurement Process:**

Objective 1: Individual Service Installations: Install intervals are based on the committed installation intervals established in this SLA or due dates negotiated between the Customer and the Contractor. This objective requires the Contractor to meet the due date for each individual service installation. This includes individual circuit/service level installations for Coordinated and Managed Projects.

Objective 2: Successful Install Monthly Percentage per Service Type: The Contractor shall sum all individual installations per service, as listed below, meeting the objective in the measurement period and divide by the sum of

all individual service installations due per service in the measurement period and multiply by 100 to equal the percentage of service installations completed on time. The Contractor must meet or exceed the objective below in order to avoid the rights and remedies.

**Services:**

Features must be installed in conjunction with the service except when listed below:

| <b>Service (Features must be installed with service except when listed below.</b> | <b>Committed Interval Days</b> | <b>Coordinated/Managed Project</b> |
|---|--------------------------------|------------------------------------|
| MAE Service   | 30                             | Coordinated/Managed Project        |
| AT&T Switched Ethernet (ASE) Service  | 30                             | Coordinated/Managed Project        |
| AT&T Dedicated Ethernet (ADE) Service   | 30                             | Coordinated/Managed Project        |
| Opt-E-WAN (OEWS) Service  | 30                             | Coordinated/Managed Project        |
| EPLS-WAN Service  | 30                             | Coordinated/Managed Project        |
| AT&T Managed Router Solution (MRS)  | 30                             | Coordinated/Managed Project        |
| AT&T Switched Ethernet on Demand (ASEoD) Service                                  | 30                             | Coordinated/Managed Project        |

**Objectives:**

Objective 1: Individual service installation: Service provisioned on or before the due date per installation Service Request.

Objective 2: Monthly Average percent by service type:

| <b>Access Type</b>                   | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B or P)</b> |
|--------------------------------------|------------------|---------------------|--------------------|---|
| MAE Service                          | ≥ 90%            | N/A                 | ≥ 95%              | P   |
| AT&T Switched Ethernet (ASE) Service |                  |                     | ≥ 95%              | P   |

|  |  |  |       |   |
|--|--|--|-------|---|
| AT&T Dedicated Ethernet (ADE) Service            |  |  | ≥ 95% | P |
| Opt-E-WAN (OEW) Service                          |  |  | ≥ 95% | P |
| EPLS-WAN Service                                 |  |  | ≥ 95% | P |
| AT&T Managed Router Solution (MRS)               |  |  | ≥ 95% | P |
| AT&T Switched Ethernet on Demand (ASEoD) Service |  |  | ≥ 95% | P |

### Rights and Remedies:

#### 1. Per Occurrence:

- Objective 1: Individual service installations: 50% of installation fee credited to the Customer for any missed committed objective.

#### 2. Monthly Aggregated Measurements:

- Objective 2: 100% of the installation fee credited to the Customer for all service installations (per service type) that did not complete within the committed objective during the month if the Successful Install Monthly Percentage is below the committed objective.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.10 Time to Repair (M-S)

**SLA Name:** Time to Repair

#### Definition:

Any failure that prevents full functionality of the service that remains unresolved for more than the committed objective level.

#### Measurement Process:

This SLA is based on trouble ticket Unavailable Time per service (Circuit ID or Service ID). The circuit or service is not fully functional during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If the Customer reports a service that is not fully functional and remains

unresolved after the closure of the trouble ticket by the Contractor, the Unavailable Time shall be adjusted to the actual restoration time. This SLA is applied per occurrence.

**Services:**

MAE Service  
AT&T Switched Ethernet (ASE) Service  
AT&T Dedicated Ethernet (ADE) Service  
Opt-E-WAN (OEW) Service  
EPLS-WAN Service  
AT&T Managed Router Solution (MRS)  
AT&T Switched Ethernet on Demand (ASEoD) Service

**Objectives:**

The Unavailable Time objective shall not exceed:

| <b>Access Type</b>                               | <b>Basic (B)</b> | <b>Standard (S)</b> | <b>Premier (P)</b> | <b>Bidder's Objective Commitment (B, S or P)</b> |
|--|------------------|---------------------|--------------------|--|
| MAE Service                                      | ≤ 6 Hours        | ≤ 5 Hours           | ≤ 4 Hours          | P  |
| AT&T Switched Ethernet (ASE) Service             |                  |                     | ≤ 4 Hours          | P  |
| AT&T Dedicated Ethernet (ADE) Service            |                  |                     | ≤ 4 Hours          | P  |
| Opt-E-WAN (OEW) Service                          |                  |                     | ≤ 4 Hours          | P  |
| EPLS-WAN Service                                 |                  |                     | ≤ 4 Hours          | P  |
| AT&T Managed Router Solution (MRS)               |                  |                     | ≤ 4 Hours          | P  |
| AT&T Switched Ethernet on Demand (ASEoD) Service |                  |                     | ≤ 4 Hours          | P  |

**Rights and Remedies:**

1. Per Occurrence:
  - 25% credit or refund of the TMRC for each service (Circuit ID or Service ID) out of service for a period greater than the committed objective level.
2. Monthly Aggregated Measurements:
  - N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.11 Managed Service Proactive Notification

**SLA Name:** Managed Service Proactive Notification

**Definition:**

The proactive outage notification SLA provides credits if the Contractor fails to open a trouble ticket and notify Customer of an Outage for a managed service. Notification to the Customer shall occur through means agreed to by Contractor and CALNET Program.

An Outage is defined as an unscheduled period in which the managed service interrupted and unavailable for use by Customer for 60 continuous seconds or more than 60 cumulative seconds within a 15-minute period measured by the Contractor.

**Measurement Process:**

The Outage Duration start shall be determined by the first Contractor network alarm resulting from the outage-causing event or the opening of a trouble ticket by the Customer, whichever occurs first. The Contractor has fifteen minutes (Notification Period) to open a trouble ticket and notify the Customer from the start point of the first network alarm. The Contractor is in compliance with the proactive outage notification SLA if the Customer opened the trouble ticket prior to the network alarm or Customer is notified by the Contractor within the Notification Period.

**Services:**

MAE Services with Managed Router or IP Enabled Routing Device

**Objectives:**

15 Minutes

**Rights and Remedies:**

1. Per Occurrence:

- Customer will receive a credit or refund equal to 10% of the TMRC for each Contractor Managed Service (Circuit ID) that was impacted during an outage if the Customer was not proactively notified within the notification period

2. Monthly Aggregated Measurements:

- N/A

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.12 Unsolicited Service Enhancement SLAs

All unsolicited service enhancements shall be considered a feature of the service, and therefore shall be included as such under the SLAs as defined in this Section.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.13 Proposed Unsolicited Offerings

The Contractor shall provide SLAs as defined in SLA Section 23.5.8 for each unsolicited offering determined by the CALNET Program not to be a feature of a service or a component of an unbundled service identified in the technical requirements. SLA tables shall be amended after Contract award to include all new unsolicited services.

**Bidder understands the requirements and shall meet or exceed them? Yes**

### 23.5.8.14 Contract Amendment Service Enhancement SLAs

All Contract amendment service enhancements shall be considered a feature of the service, therefore included as such under the SLAs as defined in Section 23.5.8.

**Bidder understands the requirements and shall meet or exceed them? Yes**