STD. 213 A (Rev 2/12)

491

X CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED ~~486~~ Pages

AGREEMENT NUMBER	AMENDMENT NUMBER
IFB STPD 12-001-B, C3-B-12-10-TS-09	1
REGISTRATION NUMBER	

1. This Agreement is entered into between the State Agency and Contractor named below:
   STATE AGENCY'S NAME
   California Department of Technology
   CONTRACTOR'S NAME
   Integra Telecom Holdings, Inc. by and for its wholly owned subsidiary Electric Lightwave LLC – d/b/a Integra
2. The term of this Agreement is 03/26/2014 through 6/30/2018
3. The maximum amount of this agreement after this amendment is: $0.00
4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

   A. This Amendment incorporates the following Changes:
   Subject CALNET 3, IFB STPD 12-001-B Category 3: Metropolitan Area Network (MAN) Ethernet and Category 5: Managed Internet Services

   Attachment 1 - Revisions to, Category 3, Volume 2, SOW Response to Unique Category Response
   Attachment 2 - Revisions to, Category 3, Volume 3, Cost Information, SOW Catalog A
   Attachment 3 - Revisions to, Category 5, Volume 2, SOW Response to Unique Category Response
   Attachment 4 - Revisions to, Category 5, Volume 3, Cost Information, SOW Catalog A

   B. Changes State signature on original STD 213 dated (April 7, 2014)
   From: Steve Rushing - Statewide Telecommunications and Network Division (STND)
   To: Barbara Garrett - Statewide Telecommunications and Network Division (STND)

(All other terms and conditions of the original agreement shall remain the same.)

IN WITNESS WHEREOF, this Agreement has been executed by the parties hereto.

CONTRACTOR

CONTRACTOR'S NAME (If other than an individual, state whether a corporation, partnership, etc.)
Integra Telecom Holdings, Inc. by and for its wholly owned subsidiary Electric Lightwave LLC – d/b/a Integra Telecom

BY (Authorized Signature): ✍ Martha Tate — DATE SIGNED (Do not type): 9/5/2014

PRINTED NAME AND TITLE OF PERSON SIGNING
Martha Tate VP Sales

ADDRESS
1750 15th Street STE 300 Denver, CO 80202

STATE OF CALIFORNIA

AGENCY NAME
California Department of Technology

BY (Authorized Signature): ✍ Barbara Garrett — DATE SIGNED (Do not type): 9/9/14

PRINTED NAME AND TITLE OF PERSON SIGNING
Barbara Garrett, Deputy Director, Office of Technology Services - STND

ADDRESS
P.O. Box 1810, MS Y-13, Rancho Cordova, CA 95741-1810

CALIFORNIA DEPARTMENT OF TECHNOLOGY Use Only

Approved
Mark Jan
9/24/14

☐ Exempt per:

INTEGRA TELECOM

IFB STPD 12-001-B, C3-B-12-10-TS-09

Amendment #1

09-08-2014

CALNET 3, Category 3:
Metropolitan Area Network (MAN) Ethernet

Volume 2 – Response to Unique Category Requirements

SOW Technical Requirements Response

Table of Contents

Response to SOW Technical Requirements

Technical Requirements

Category 3 – Metropolitan Area Network ETHERNET

3.1 OVERVIEW

This Category 3 IFB provides the State's solicitation for best value solutions for Metropolitan Area Network Ethernet (MAE) services. This IFB describes the CALNET 3 technical requirements necessary to support the CALNET 3 program requirements.

This IFB will be awarded to Bidders that meet the award criteria as described in IFB Section 4. The CALNET 3 Contract(s) that result from the award of this IFB will be managed on a day-to-day basis by the CALNET 3 Contract Management and Oversight (CALNET 3 CMO).

3.1.1 BIDDER RESPONSE REQUIREMENTS

Throughout this IFB, Bidders are required to acknowledge acceptance of the requirements described herein by responding to one (1) of the following:

Example A (for requirements that require confirmation that the Bidder understands and accepts the requirement):

"Bidder understands the Requirement and shall meet or exceed it? Yes_____ No_____"

Or,

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

"Bidder understands the requirements in Section xxx and shall meet or exceed them? Yes_____ No_____

Description:"

3.1.2 DESIGNATION OF REQUIREMENTS

All Technical Requirements specified in this IFB Section are Mandatory and must be responded to as identified in IFB Section 3.4.2.5 by the Bidder. Additionally, some Mandatory requirements are "Mandatory-Scorable" and are designated as "(M-S)". The State will have the option of whether or not to include each item in the Contract, based on the best interest of the State. Furthermore, Customers will have the option whether or not to order services or features included in the Contract. Service Requests for some CALNET 3 services or features may require CALNET 3 CMO approval.

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.

3.1.3 PACIFIC TIME ZONE

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

3.2 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 (2) or more Local Area Networks (LANs) at the native speed of the LAN backbone.

3.2.1 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 (2) or more locations.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1 General Requirements

3.2.1.1.1 ***Standards***

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

1. Metro Ethernet Forum (MEF);
2. Internet Engineering Task Force;
3. International Telecommunications Union (ITU); and,
4. Institute of Electrical and Electronics Engineers, Inc. (IEEE).

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.2 ***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 Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.3 *Ethernet Virtual Connections (EVC)*

Contractor's service shall provide EVCs, which are used to define the association of two (2) or more User-to-Network Interfaces (UNI's).

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.4 *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 3.2.1.1.4 lists the UNI physical interfaces.

Table 3.2.1.1.4 – UNI Physical Interfaces

UNI Speed	UNI Physical Interface
10 Mbps	10BaseT
100 Mbps	100BaseT
1 Gbps	1000BaseT or 1000BaseSX

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.5 *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 Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.6 *Service Frame Delivery Options*

Service Frame Delivery options supported shall include

1. Unicast Frame Delivery;
2. Multicast Frame Delivery as per RFC 11 12; and,
3. Broadcast Frame Delivery as per IEEE 802.3.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.7 *Ethernet Service Frame Disposition*

The service shall deliver all service frames associated with the EVC unconditionally across the network as specified in Table 3.2.1.1.7.

Table 3.2.1.1.7 –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 Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.8 *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 Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.9 *Maximum Frame Size*

The service shall support a Maximum Transmission Unit (MTU) packet size of 1600 bytes to support untagged or 802.1Q tagged packet sizes.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.10 *Performance Monitoring*

The Contractor shall conduct proactive Performance Monitoring that includes the following:

1. Signal failure;
2. Signal degradation;
3. Connectivity or Loss of connectivity;
4. Frame loss;
5. Errored frames;
6. Looping;
7. Mis-inserted frames; and,
8. Maintenance parameters.

Bidder shall describe their proactive Performance Monitoring (PM) that will be deployed for CALNET 3.

Bidder understands the requirements in Section 3.2.1.1.10 and shall meet or exceed them? Yes _X_ No___

Description:

Integra provides a web based customer facing portal to view Service Level Agreement (SLA) performance statistics for all MAE Ethernet Virtual Connections. The portal will also provide a location map depicting a logical map view of the customer's purchased MAE network. The performance monitoring portal will detect signal failure, degradation, loss of connectivity, frame loss, errored frames, and Ethernet MAC loops within the Integra network through the compilation of service statistics. Those statistics include a depiction of usage, one-way and two-way delay, delay variation (jitter), packet loss, and availability. The statistics page provides a 5-min average view of service performance at the UNI and EVC level. Resolution can be adjusted to view performance trends for the last hour or the last 6-months.

Looping:

Looping generally causes a packet storm which Integra can detect and act on as well as report.

Mis-inserted frames:

Integra does not insert nor remove frames unless the customer desires to Peer with layer 2 control protocols which is rare.

Maintenance activities:

Trouble resolution and notification

Circuit equipment provides alarm notifications to Integra's Network Notification System (NSS) which filters event data. This data is correlated to Customer circuit IDs, NNS service status, and contact information. The customer profile is maintained in Integra Customer Care (ICC) database.

Integra monitors equipment for alarms, cross references TIDs / AIDs (Target Identifier, Access Identifier) to MSS ECKKTs (database circuit information) and determines if the alarming circuit is designated as NNS by referencing the customer profile (ICC). If so, a Trouble Ticket is initiated.

The Trouble Management System (TMS) processes the Trouble Ticket created from the Network Monitoring systems and uses the NNS information from ICC to notify the customer via emails and/or SMS messages at key milestones during the life of the Trouble Ticket. Once the Trouble Ticket is cleared, the customer is sent a final update.

Scheduled Maintenance Activities

Scheduled Maintenance Procedure (SMP) notifications will be managed outside of the "proactive" surveillance process.

Communications with customers and internal workgroups will be made to inform each as to the upcoming network maintenance. Work is schedule in a maintenance window of 23:00 PT to 05:00 PT. If a network emergency arises, all proactive notification is best effort and all diligence is used to minimize disruption.

3.2.1.1.11 ***Network Monitoring***

The Contractor shall monitor all services on a 24x365 basis.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.12 ***Technical Support***

Contractor shall provide technical support service issues via a toll-free telephone number that operates on a 24x365 basis.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.13 ***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 (7) days' notice for service impacting planned maintenance. Emergency maintenance shall be performed as needed.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.1.14 ***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.

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

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.2 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 (2) 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 (1) Ethernet Virtual Connection (EVC) between two (2) Customer locations.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.3 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 (2) 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 Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.4 EPL and EVPL MAE Service Multiplexing

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

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.2.1.5 EPL and EVPL MAE Classes of Service (CoS)

Contractor shall provide three (3) Classes of Service (CoS) options for the EPL/EVPL MAE service: 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.

3.2.1.5.1 *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.

Bidders shall describe in detail their Basic CoS MAE service that will be deployed to satisfy this requirement.

Bidder understands the requirements in Section 3.2.1.5.1 and shall meet or exceed them? Yes _X_ No___

Description:

Integra's Basic CoS MAE marketed as "Best Effort" is the lowest of priority options customers can choose from. In times of congestion, traffic classified by the customer as Best Effort will flow up to the capability of the access providing there is not higher priority traffic that contends for the same resource.

When customers choose Basic CoS, Integra assigns no CoS to all incoming traffic on a per EVC or per port basis. All incoming traffic from the customer marked as (802.1p = 0 or DSCP = 0) is encapsulated as Basic CoS with a Priority tag set to (802.1p Value = 0) for transmission across Integra's network.

Upon egress from Integra's network this Basic CoS tag is stripped before transmission back to the customer's network. The customer's traffic is not altered in any way.

Basic CoS treatment is used for applications that have no guarantee requirements whose associated traffic flows are tolerable of delay and jitter. These traffic flows are the lowest priority when compared to more critical applications that require more stringent SLAs.

Applications that might fit into this category would be general web browsing and other low priority data transmission.

3.2.1.5.2 ***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 3.2.1.5.2.

Table 3.2.1.5.2 lists the service performance objectives for PRIORITY CoS for distances within 250 network miles.

Table 3.2.1.5.2 – PRIORITY CoS Performance Objectives

Performance Objective (≤ 250 miles)	PRIORITY CoS
Latency (one way)	<35ms
Jitter (one way)	<40ms
Packet Loss (one way)	<0.5%
Availability	>99.99%

Bidders shall describe in detail their Priority CoS MAE service that will be deployed to satisfy this requirement.

Bidder understands the requirements in Section 3.2.1.5.2 and shall meet or exceed them? Yes _X_ No___

Description:

Integra's Priority CoS MAE is marketed as "Business Class" and provides data prioritization for very important data applications that are of a high priority and involve business transactions.

Integra's Priority CoS is the 2nd highest of three priority options customers can choose from. In times of congestion, traffic treated as Priority CoS will take precedent over Best Effort and Basic CoS traffic. This Business Class CoS prioritizes any data frame with a CoS pBit of "4" that is sensitive to latency.

When customers choose Priority CoS, "Business Class", Integra assigns this CoS to all incoming traffic on a per EVC or per port basis. All incoming traffic from the customer marked as (802.1p = 2,3,4 or DSCP = CS2,CS3,CS4,AF2x,AF3x,AF4x) is encapsulated within a Priority tag (802.1p Value = 4) for transmission across Integra's network.

Note: Mapping of customer Priority CoS, traffic to Integra "Business Class" traffic is customizable. The mapping above is the default. More customized mapping can be supported.

Upon egress from Integra's network this Priority tag is stripped before transmission back to the customer's network. The customer's traffic is not altered in any way.

Priority CoS treatment is used for applications that have moderate to high guarantee requirements whose associated traffic flows are defined locally by the customer as critical.

These traffic flows are of moderately high priority when compared to more critical applications that are typically real-time in nature.

Applications that might fit into this category would be client-server applications, interactive messaging and transactional data. Mission critical data and video streaming might also fit into this category.

3.2.1.5.3 ***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 3.2.1.5.3.

Table 3.2.1.5.3 lists the service performance objectives for PREMIUM CoS for distances within 250 network miles.

Table 3.2.1.5.3 – Class of Service Options

Performance Objective (≤ 250 miles)	PREMIUM CoS
Latency (one way)	<25ms
Jitter (one way)	<25ms
Packet Loss (one way)	<0.1%
Availability	>99.99%

Bidders shall describe in detail their Premium CoS MAE service that will be deployed to satisfy this requirement.

Bidder understands the requirements in Section 3.2.1.5.3 and shall meet or exceed them? Yes _X_ No___

Description:

Integra's Premium CoS is marketed as "Real Time" and is the highest of three priority options customers can choose from. In times of congestion, traffic treated as Premium CoS will take precedent over all other traffic flows.

When customers choose Premium CoS, "Real Time", Integra assigns this CoS to all incoming traffic on a per EVC or per port basis. All incoming traffic from the customer marked as (802.1p = 5,6,7 or DSCP = CS5,CS6,CS7,EF) is encapsulated within a Premium tag (802.1p Value = 5) for transmission across Integra's network.

Note: Mapping of customer Premium CoS, traffic to Integra "Real Time" traffic is customizable. The mapping above is the default. More customized mapping can be supported.

Upon egress from Integra's network this Premium tag is stripped before transmission back to the customer's network. The customer's traffic is not altered in any way.

Premium CoS treatment is used for applications that have the highest guarantee requirements and that are very sensitive to delay and jitter. These traffic flows are of the highest priority when compared to all other applications.

Applications that fit into this category are typically voice-bearing like VoIP or interactive video.

3.2.1.6 EPL and EVPL MAE Service Feature Description

Contractor shall provide MAE services as described below.

3.2.1.6.1 *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 (1) Ethernet Virtual Connection (EVC).

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

3.2.1.6.2 *Managed Router Service:*

Contractor shall offer a managed router service that includes the components described in Section 3.2.1.6.1 in a bundled format which includes a Contractor owned, maintained and managed router as identified in Table 3.2.1.6.a.

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

Bidder shall describe in detail all equipment, maintenance and management services that, as the awarded Contractor, will be deployed to satisfy this requirement.

Bidder understands the requirements in Section 3.2.1.6.2 and shall meet or exceed them? Yes _X_ *No*_____

Description:

Integra will supply a router for each circuit that is ordered with a managed router. The physical CPE provided will have the following characteristics:

Table 3.2.1.6.2 – Managed Router Service Characteristics					
Access Type	***Bandwidth***	***Access Interface***	***Customers Interface (NI)***	***CPU throughput***	***RAM***
T1	*128 to 1.544mbs*	*1xT1*	*10/100/1000base-T*	*30 Mbs*	*Amount to support all routing tables*
(2) T1 to (8) T1	*3.088 to 12.352mbs*	*2-8xT1*	*10/100/1000base-T*	*30 Mbs*	*Amount to support all routing tables*
DS3	*15 to 45mb*	*DS3*	*10/100/1000base-T*	*90 Mbs*	*Amount to support all routing tables*
Ethernet	*10 to 100mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*101 to 1000mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*1001 to 10,000mb*	*10/100/1000base-T or 10GBASE-xx*	*10/100/1000base-T or 10GBASE-xx*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*155mbs*	*OC-3 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*620mbs*	*OC-12 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*2480mbs*	*OC-48 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*

Each router will have a modem installed and attached to an analog telephone line for an alternate remote access. The routers will be configured by Integra operations staff and will be monitored on a continual bases. Integra will manage, maintain, configure, archive and upgrade a managed router as part of the service. The router remains the property of Integra

Contractors shall provide the services and Features described in Table 3.2.1.6.a

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 (1) EVC and the NI.	**Y**		301001
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID) with one EVC. All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks as a UNI (User Network Interface).* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.*				
2	EPL MAE Service Connection 10/100 Mbps with Managed Router	10/100 Mbps Ethernet port per location with managed router; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301002
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface).* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100base-t electrical UNI.*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	1000 Mbps Ethernet port per location; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301003
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.*				
4	EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	1000 Mbps Ethernet port per location, with managed router; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301004
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100/1000BASE-T electrical or as a 1000BASE-SX optical UNI.*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
5	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 (1) EVC and the NI.	**Y**		301005
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.*				
6	EVPL MAE Service Connection 10/100 Mbps with Managed Router	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T) with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301006
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100base-t electrical UNI.*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
7	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	Assessed per interface at bandwidths of 1Gbps Ethernet. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301007
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.*				
8	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	Assessed per interface at bandwidths of 1Gbps Ethernet with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.	**Y**		301008
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via full duplex, Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface). The UNI may be service multiplexed.* *The NID is a monitored fulltime and reports circuit status via telemetry to the Integra's network monitoring systems. All monitoring and management of the far end of the circuit is performed via the NID.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100/1000BASE-T electrical or as a 1000BASE-SX optical UNI.*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
9	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 to up to 100 MAC addresses per EPL/EVPL connection. A technical review will be necessary to determine if service can be provided and for approval to exceed the limit.	**Y**		301009
	Bidder's Product Description: *The increase of MAC addresses learned at UNI exceeding 50. Requires a free engineering study to determine the viability of the added MAC addresses being supported.*				
10	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.	**Y**		301010
	Bidder's Product Description: *An EVC element in 1 meg increments from 1 to 100 for "EPL MAE Service Connection 10/100 Mbps" and "EVPL MAE Service Connection 10/100 Mbps" over the same UNI will be provided. No one EVC can exceed the UNI bandwidth and the customer must designate the CIR for each EVC. The total CIR of all EVC's cannot exceed 100% of the UNI. It is possible for the customer to add EVC's beyond 100% EIR, but this bandwidth is not guaranteed.*				
	CIR (BASIC CoS MAE):				
11	BASIC CIR - 2 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301201

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*				
12	BASIC CIR MAE - 4 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301202
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*				
13	BASIC CIR MAE - 8 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301203
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
	CIR (PRIORITY CoS):				
14	PRIORITY CIR MAE - 2 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301401
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
15	PRIORITY CIR MAE - 4 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301402
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
16	PRIORITY CIR MAE - 5 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301403
	Bidder's Product Description: *5 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
17	PRIORITY CIR MAE -8 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301404
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
18	PRIORITY CIR MAE - 10 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301405
	Bidder's Product Description: *10 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
19	PRIORITY CIR MAE - 20 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301406
	Bidder's Product Description: *20 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
20	PRIORITY CIR MAE - 50 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301407
	Bidder's Product Description: *50 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
21	PRIORITY CIR MAE - 100 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301408
	Bidder's Product Description: *100 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
22	PRIORITY CIR MAE - 150 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301409
	Bidder's Product Description: *150 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
23	PRIORITY CIR MAE - 250 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301410
	Bidder's Product Description: *250 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
24	PRIORITY CIR MAE - 500 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301411
	Bidder's Product Description: *500 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
25	PRIORITY CIR MAE - 600 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301412
	Bidder's Product Description: *600 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
26	PRIORITY CIR MAE - 1000 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301413
	Bidder's Product Description: *1000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*				
	CIR (PREMIUM CoS):				
27	PREMIUM CIR MAE - 2 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301601
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
28	PREMIUM CIR MAE - 4 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301602
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
29	PREMIUM CIR MAE – 5 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301603
	Bidder's Product Description: *5 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
30	PREMIUM CIR MAE – 8 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301604
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
31	PREMIUM CIR MAE – 10 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301605
	Bidder's Product Description: *10 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
32	PREMIUM CIR MAE – 20 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301606
	Bidder's Product Description: *20 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
33	PREMIUM CIR MAE – 50 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301607
	Bidder's Product Description: *50 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
34	PREMIUM CIR MAE – 100 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301608
	Bidder's Product Description: *100 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
35	PREMIUM CIR MAE – 150 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301609
	Bidder's Product Description: *150 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
36	PREMIUM CIR MAE – 250 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301610
	Bidder's Product Description: *250 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				

Table 3.2.1.6.a-MAE Services and Features

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
37	PREMIUM CIR MAE – 500 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301611
	Bidder's Product Description: *500 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
38	PREMIUM CIR MAE – 600 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301612
	Bidder's Product Description: *600 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				
39	PREMIUM CIR MAE – 1000 Mbps	The guaranteed average bandwidth of the virtual circuit.	**Y**		301613
	Bidder's Product Description: *1000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EPL and EVPL Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Premium CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Real-Time Class of Service (CoS).*				

The Contractor may offer additional unsolicited MAE services and features in Table 3.2.1.6.b.

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
1	*Standard CoS MAE (EP-LAN)*	*Standard CoS supports data applications with less tolerance for delay than those with least priority. There are service performance parameters associated with this Class of Service.*	301614
	Bidder's Product Description: *Integra's "Standard Class" is a service between Basic and Priority CoS and provides data prioritization for important data applications that are of higher priority than basic web browsing, e-mail traffic or other non-essential traffic.* *This "Standard Class" CoS prioritizes any data with a CoS pBit set to "1" that is somewhat sensitive to latency. All other traffic that has the CoS pBit set to "0" is managed as "Best Effort" to the level of bandwidth purchased.* *Upon egress from Integra's network this Standard Class CoS tag is stripped before transmission back to the customer's network. The customer's traffic is not altered in any way.* *Standard CoS treatment is used for applications that have moderate guarantee requirements whose associated traffic flows somewhat tolerable of delay and jitter. These traffic flows are the lower priority when compared to more critical applications that require more stringent SLAs.* *Applications that might fit into this category would be email, FTP and lower priority database replication.*		
2	*Ethernet Private LAN (EP-LAN) MAE Service*	*Ethernet Private LAN (EP-LAN) Description*	301615

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *This service shall provide a logical Multipoint-to-Multipoint connection between three (3) or more Customer locations or Customer locations and the Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location. An EP-LAN service shall enable Customers to use any VLANs or layer 2 control protocols across the service without coordination with the Contractor. The EP-LAN service complies with the same Industry requirements as the EPL services such as MEF, IEEE, IETF, and the ITU.* *The EP-LAN service shall enable Customers to connect their Customer Premise Equipment (CPE) using an Ethernet interface and provide one (1) Ethernet Virtual Connection (EVC) between multiple Customer locations either within or across metro regions as a fully meshed wide area network.* *EP-LAN services support the customer's four CoS options of Basic, Standard, Priority, and Premium. Unicast, Multicast and Broadcast frames will be supported and delivered unconditionally. EP-LAN will support IEEE 802.1Q. MTU size of 1600 Bytes will be supported on an E-LAN service. UNI interfaces for E-LAN will support 10/100/1000BaseT, 1000BaseSX, or 10GBase-SR interfaces.* *Product Benefits:* *E-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.*		
	Service Limitations: *Service availability for EVCs greater than 1 Gbps is limited to those areas deemed as on-net or near-net fiber locations for Integra.*		
3	*EP-LAN MAE Service Connection 10/100 Mbps*	*10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.*	301616

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID) with one EVC. All electrical handoffs are via Ethernet 10/100/1000BASE-T (RJ48) jacks as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.*		
4	*EP-LAN MAE Service Connection 10/100 Mbps with Managed Router*	*10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.*	301617
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID) with one EVC. All electrical handoffs are via Ethernet 10/100/1000BASE-T (RJ48) jacks as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100/1000BASE-T electrical or as a 1000BASE-SX optical UNI.*		
5	*EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps)*	*1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.*	301618

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.*		
6	*EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router*	*1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.*	301619
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All electrical handoffs are via Ethernet 10/100/1000BASE-T (RJ48) jacks or as a 1000BASE-SX optical interface as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be an RJ48 10/100/1000BASE-T electrical or as a 1000BASE-SX optical UNI.*		
7	*EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps)*	*10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.*	301620

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All optical handoffs are via a 10GBASE-SX optical interface as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.*		
8	*EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps) with Managed Router*	*10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.*	301621
	Bidder's Product Description: *Ethernet services at this level are provided at the customer's demarcation point via the installation of a Network Interface Device (NID). All optical handoffs are via a 10GBASE-SX optical interface as a UNI (User Network Interface).* *Product Benefits:* *EP-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.* *An Integra provided, configured and managed router will be included with the MAE service and will be installed between the customers LAN and the NI. The interface will be a 10GBase-SR optical interface UNI.*		
9	*Ethernet Virtual Connection (EVC) MAE (also to be used with EP-LAN)*	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	301010

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *An EVC element in 1 Mbps increments from 1 to 100 for "EP-LAN MAE Service Connection 10/100 Mbps" over the UNI will be provided. An EVC element in 50 Mbps increments from 100 to 1000 "EP-LAN MAE Service Connection 1000 Mbps" over the UNI will be provided. An EVC element in 1 Gbps increments from 1 to 4 "EP-LAN MAE Service Connection 10 Gbps" over the UNI will be provided. The EVC element cannot exceed the UNI bandwidth and the customer must designate the CIR for the EVC. The CIR off the EVC cannot exceed bandwidth capacity of the UNI.*		
	CIR (BASIC CoS MAE) for EP-LAN:		
10	*EP LAN BASIC CIR - 2 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301623
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*		
11	*EP LAN BASIC CIR MAE - 4 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301624
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*		
12	*EP LAN BASIC CIR MAE - 8 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301625

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).*		
	CIR (Standard CoS) for EP-LAN:		
13	*STANDARD CIR MAE - 2 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301626
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
14	*STANDARD CIR MAE - 4 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301627
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
15	*STANDARD CIR MAE - 5 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301628

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *5 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
16	*STANDARD CIR MAE - 8 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301629
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
17	*STANDARD CIR MAE - 10 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301630
	Bidder's Product Description: *10 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
18	*STANDARD CIR MAE - 20 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301631

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *20 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
19	*STANDARD CIR MAE - 50 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301632
	Bidder's Product Description: *50 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
20	*STANDARD CIR MAE - 100 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301633
	Bidder's Product Description: *100 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
21	*STANDARD CIR MAE - 150 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301634

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *150 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
22	*STANDARD CIR MAE - 250 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301635
	Bidder's Product Description: *250 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard*. Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).		
23	*STANDARD CIR MAE - 500 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301636
	Bidder's Product Description: *500 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
24	*STANDARD CIR MAE - 600 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301637

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *600 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
25	*STANDARD CIR MAE - 1000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301638
	Bidder's Product Description: *1000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
26	*STANDARD CIR MAE - 2000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301639
	Bidder's Product Description: *2000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
27	*STANDARD CIR MAE - 3000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301640

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *3000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).		
28	*STANDARD CIR MAE - 4000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301641
	Bidder's Product Description: *4000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).*		
	CIR (PRIORITY CoS) for EP-LAN:		
29	*PRIORITY CIR MAE - 2 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301642
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
30	*PRIORITY CIR MAE - 4 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301643

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
31	*PRIORITY CIR MAE - 5 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301644
	Bidder's Product Description: *5 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
32	*PRIORITY CIR MAE - 8 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301645
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
33	*PRIORITY CIR MAE - 10 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301646
	Bidder's Product Description: *10 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
34	*PRIORITY CIR MAE - 20 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301647
	Bidder's Product Description: *20 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
35	*PRIORITY CIR MAE - 50 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301648
	Bidder's Product Description: *50 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
36	*PRIORITY CIR MAE - 100 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301649
	Bidder's Product Description: *100 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
37	*PRIORITY CIR MAE - 150 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301650

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *150 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
38	*PRIORITY CIR MAE - 250 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301651
	Bidder's Product Description: *250 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
39	*PRIORITY CIR MAE - 500 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301652
	Bidder's Product Description: *500 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
40	*PRIORITY CIR MAE - 600 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301653

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *600 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
41	*PRIORITY CIR MAE - 1000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301654
	Bidder's Product Description: *1000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
42	*PRIORITY CIR MAE - 2000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301655
	Bidder's Product Description: *2000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
43	*PRIORITY CIR MAE - 3000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301656

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *3000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
44	*PRIORITY CIR MAE - 4000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301657
	Bidder's Product Description: *4000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).*		
	CIR (PREMIUM CoS) for EP-LAN:		
45	*PREMIUM CIR MAE - 2 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301658
	Bidder's Product Description: *2 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
46	*PREMIUM CIR MAE - 4 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301659

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *4 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
47	*PREMIUM CIR MAE - 5 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301660
	Bidder's Product Description: *5 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
48	*PREMIUM CIR MAE - 8 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301661
	Bidder's Product Description: *8 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
49	*PREMIUM CIR MAE - 10 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301662
	Bidder's Product Description: *10 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
50	*PREMIUM CIR MAE - 20 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301663
	Bidder's Product Description: *20 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
51	*PREMIUM CIR MAE - 50 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301664
	Bidder's Product Description: *50 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
52	*PREMIUM CIR MAE - 100 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301665
	Bidder's Product Description: *100 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
53	*PREMIUM CIR MAE - 150 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301666

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *150 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).		
54	*PREMIUM CIR MAE - 250 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301667
	Bidder's Product Description: *250 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
55	*PREMIUM CIR MAE - 500 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301668
	Bidder's Product Description: *500 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
56	*PREMIUM CIR MAE - 600 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301669

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *600 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
57	*PREMIUM CIR MAE - 1000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301670
	Bidder's Product Description: *1000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
58	*PREMIUM CIR MAE - 2000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301671
	Bidder's Product Description: *2000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
59	*PREMIUM CIR MAE - 3000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301672

Table 3.2.1.6.b – Unsolicited MAE Services and Features

	Feature Name	Feature Description	Bidder's Product Identifier
	Bidder's Product Description: *3000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		
60	*PREMIUM CIR MAE - 4000 Mbps*	*The guaranteed average bandwidth of the virtual circuit.*	301673
	Bidder's Product Description: *4000 Mbps traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for* EP-LAN *Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard.* *Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).*		

3.2.1.7 MAE Service Geographic Requirements

Bidders shall identify the locations where their Ethernet Services are available in Table 3.2.1.7.a. By indicating "X" in the table below, Contractor commits to provide the services in the cities identified below. Commitment is subject to facility availability either through Contractor owned facilities or third-party agreements. Contractor's rates for the MAE services shall be the same for all geographic locations. Bidders may reference Table 3.2.1.7.a or Table 3.2.1.7.b in their Catalog A, Geographic Availability response. Bidders Catalog A language shall not conflict with the requirements described herein.

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
1	Adelanto				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
2	Agoura Hills				
3	Alameda				
4	Albany				
5	Alhambra				
6	Aliso Viejo				
7	Alturas				
8	Amador				
9	American Canyon				
10	Anaheim				
11	Anderson				
12	Angels Camp				
13	Antioch				
14	Apple Valley				
15	Arcadia				
16	Arcata				
17	Arroyo Grande				
18	Artesia				
19	Arvin				
20	Atascadero				
21	Atherton				
22	Atwater				
23	Auburn				
24	Avalon				
25	Avenal				
26	Azusa				
27	Bakersfield				
28	Baldwin Park				
29	Banning				
30	Barstow				
31	Beaumont				
32	Bell				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
33	Bell Gardens				
34	Bellflower				
35	Belmont				
36	Belvedere				
37	Benicia				
38	Berkeley				
39	Beverly Hills				
40	Big Bear Lake				
41	Biggs				
42	Bishop				
43	Blue Lake				
44	Blythe				
45	Bradbury				
46	Brawley				
47	Brea				
48	Brentwood				
49	Brisbane				
50	Buellton				
51	Buena Park				
52	Burbank				
53	Burlingame				
54	Calabasas				
55	Calexico				
56	California City				
57	Calimesa				
58	Calipatria				
59	Calistoga				
60	Camarillo				
61	Campbell				
62	Canyon Lake				
63	Capitola				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
64	Carlsbad				
65	Carmel-By-The-Sea				
66	Carpinteria				
67	Carson				
68	Cathedral City				
69	Ceres				
70	Cerritos				
71	Chico				
72	Chino				
73	Chino Hills				
74	Chowchilla				
75	Chula Vista				
76	Citrus Heights	X	X	X	X
77	Claremont				
78	Clayton				
79	Clearlake				
80	Cloverdale				
81	Coachella				
82	Coalinga				
83	Colfax				
84	Colma				
85	Colton				
86	Colusa				
87	Commerce				
88	Compton				
89	Concord				
90	Corcoran				
91	Corning				
92	Corona				
93	Coronado				
94	Corte Madera				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
95	Costa Mesa				
96	Cotati	X	X	X	X
97	Covina				
98	Crescent City				
99	Cudahy				
100	Culver City				
101	Cupertino				
102	Cypress				
103	Daly City				
104	Dana Point				
105	Danville				
106	Davis				
107	Del Mar				
108	Del Rey Oaks				
109	Delano				
110	Desert Hot Springs				
111	Diamond Bar				
112	Dinuba				
113	Dixon				
114	Dorris				
115	Dos Palos				
116	Downey				
117	Duarte				
118	Dublin				
119	Dunsmuir				
120	East Palo Alto				
121	El Cajon				
122	El Centro				
123	El Cerrito				
124	El Monte				
125	El Paso De Robles				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
126	El Segundo				
127	Elk Grove	X	X	X	X
128	Emeryville				
129	Encinitas				
130	Escalon				
131	Escondido				
132	Etna				
133	Eureka				
134	Exeter				
135	Fairfax				
136	Fairfield				
137	Farmersville				
138	Ferndale				
139	Fillmore				
140	Firebaugh				
141	Folsom	X	X	X	X
142	Fontana				
143	Fort Bragg				
144	Fort Jones				
145	Fortuna				
146	Foster City				
147	Fountain Valley				
148	Fowler				
149	Fremont				
150	Fresno				
151	Fullerton				
152	Galt				
153	Garden Grove				
154	Gardena				
155	Gilroy				
156	Glendale				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
157	Glendora				
158	Goleta				
159	Gonzales				
160	Grand Terrace				
161	Grass Valley				
162	Greenfield				
163	Gridley				
164	Grover Beach				
165	Guadalupe				
166	Gustine				
167	Half Moon Bay				
168	Hanford				
169	Hawaiian Gardens				
170	Hawthorne				
171	Hayward				
172	Healdsburg				
173	Hemet				
174	Hercules				
175	Hermosa Beach				
176	Hesperia				
177	Hidden Hills				
178	Highland				
179	Hillsborough				
180	Hollister				
181	Holtville				
182	Hughson				
183	Humboldt				
184	Huntington Beach				
185	Huntington Park				
186	Huron				
187	Imperial				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
188	Imperial Beach				
189	Indian Wells				
190	Indio				
191	Industry				
192	Inglewood				
193	Inyo				
194	Ione				
195	Irvine				
196	Irwindale				
197	Isleton				
198	Jackson				
199	Kerman				
200	Kern				
201	King City				
202	Kings				
203	Kingsburg				
204	La Canada Flintridge				
205	La Habra				
206	La Habra Heights				
207	La Mesa				
208	La Mirada				
209	La Palma				
210	La Puente				
211	La Quinta				
212	La Verne				
213	Lafayette				
214	Laguna Beach				
215	Laguna Hills				
216	Laguna Niguel				
217	Laguna Woods				
218	Lake				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
219	Lake Elsinore				
220	Lake Forest				
221	Lakeport				
222	Lakewood				
223	Lancaster				
224	Larkspur				
225	Lassen				
226	Lathrop				
227	Lawndale				
228	Lemon Grove				
229	Lemoore				
230	Lincoln				
231	Lindsay				
232	Live Oak				
233	Livermore				
234	Livingston				
235	Lodi				
236	Loma Linda				
237	Lomita				
238	Lompoc				
239	Long Beach				
240	Loomis				
241	Los Alamitos				
242	Los Altos				
243	Los Altos Hills				
244	Los Angeles				
245	Los Banos				
246	Los Gatos				
247	Loyalton				
248	Lynwood				
249	Madera				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
250	Malibu				
251	Mammoth Lakes				
252	Manhattan Beach				
253	Manteca				
254	Maricopa				
255	Marina				
256	Martinez				
257	Marysville				
258	Maywood				
259	Mcfarland				
260	Mendota				
261	Menlo Park				
262	Merced				
263	Mill Valley				
264	Millbrae				
265	Milpitas	X	X	X	X
266	Mission Viejo				
267	Modesto				
268	Monrovia				
269	Montague				
270	Montclair				
271	Monte Sereno				
272	Montebello				
273	Monterey				
274	Monterey Park				
275	Moorpark				
276	Moraga				
277	Moreno Valley				
278	Morgan Hill				
279	Morro Bay				
280	Mount Shasta				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
281	Mountain View				
282	Murrieta				
283	Napa				
284	National City				
285	Needles				
286	Nevada City				
287	Newark				
288	Newman				
289	Newport Beach				
290	Norco				
291	Norwalk				
292	Novato				
293	Oakdale				
294	Oakland	X	X	X	X
295	Oakley				
296	Oceanside				
297	Ojai				
298	Ontario				
299	Orange				
300	Orange Cove				
301	Orinda				
302	Orland				
303	Oroville				
304	Oxnard				
305	Pacific Grove				
306	Pacifica				
307	Palm Desert				
308	Palm Springs				
309	Palmdale				
310	Palo Alto	X	X	X	X
311	Palos Verdes Estates				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
312	Paradise				
313	Paramount				
314	Parlier				
315	Pasadena				
316	Patterson				
317	Perris				
318	Petaluma	X	X	X	X
319	Pico Rivera				
320	Piedmont				
321	Pinole				
322	Pismo Beach				
323	Pittsburg				
324	Placentia				
325	Placerville				
326	Pleasant Hill				
327	Pleasanton	X	X	X	X
328	Plymouth				
329	Point Arena				
330	Pomona				
331	Port Hueneme				
332	Porterville				
333	Portola				
334	Portola Valley				
335	Poway				
336	Rancho Cordova	X	X	X	X
337	Rancho Cucamonga				
338	Rancho Mirage				
339	Rancho Palos Verdes				
340	Rancho Santa Margarita				
341	Red Bluff				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
342	Redding				
343	Redlands				
344	Redondo Beach				
345	Redwood City				
346	Reedley				
347	Rialto				
348	Richmond				
349	Ridgecrest				
350	Rio Dell				
351	Rio Vista				
352	Ripon				
353	Riverbank				
354	Riverside				
355	Rocklin				
356	Rohnert Park	X	X	X	X
357	Rolling Hills				
358	Rolling Hills Estates				
359	Rosemead				
360	Roseville				
361	Ross				
362	Sacramento	X	X	X	X
363	Salinas				
364	San Anselmo				
365	San Bernardino				
366	San Bruno				
367	San Buenaventura				
368	San Carlos				
369	San Clemente				
370	San Diego				
371	San Dimas				
372	San Fernando				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPL MAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
373	San Francisco	X	X	X	X
374	San Gabriel				
375	San Jacinto				
376	San Joaquin				
377	San Jose	X	X	X	X
378	San Juan Bautista				
379	San Juan Capistrano				
380	San Leandro				
381	San Luis Obispo				
382	San Marcos				
383	San Marino				
384	San Mateo				
385	San Pablo				
386	San Rafael	X	X	X	X
387	San Ramon				
388	Sand City				
389	Sanger				
390	Santa Ana				
391	Santa Barbara				
392	Santa Clara	X	X	X	X
393	Santa Clarita				
394	Santa Cruz				
395	Santa Fe Springs				
396	Santa Maria				
397	Santa Monica				
398	Santa Paula				
399	Santa Rosa	X	X	X	X
400	Santee				
401	Saratoga				
402	Sausalito				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
403	Scotts Valley				
404	Seal Beach				
405	Seaside				
406	Sebastopol				
407	Selma				
408	Shafter				
409	Shasta Lake				
410	Sierra Madre				
411	Signal Hill				
412	Simi Valley				
413	Solana Beach				
414	Soledad				
415	Solvang				
416	Sonoma				
417	Sonora				
418	South El Monte				
419	South Gate				
420	South Lake Tahoe				
421	South Pasadena				
422	South San Francisco				
423	St Helena				
424	Stanton				
425	Stockton				
426	Suisun City				
427	Sunnyvale	X	X	X	X
428	Susanville				
429	Sutter Creek				
430	Taft				
431	Tehachapi				
432	Tehama				
433	Temecula				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
434	Temple City				
435	Thousand Oaks				
436	Tiburon				
437	Torrance				
438	Tracy				
439	Trinidad				
440	Truckee				
441	Tulare				
442	Tulelake				
443	Turlock				
444	Tustin				
445	Twentynine Palms				
446	Ukiah				
447	Union City				
448	Upland				
449	Vacaville				
450	Vallejo				
451	Vernon				
452	Victorville				
453	Villa Park				
454	Visalia				
455	Vista				
456	Walnut				
457	Walnut Creek				
458	Wasco				
459	Waterford				
460	Watsonville				
461	Weed				
462	West Covina				
463	West Hollywood				
464	West Los Angeles				

Table 3.2.1.7.a – Bidder's EVL and EVPL Services Available Areas

		EPL MAE Service Connections		EVPL MAE Service Connections	
	Service Location	10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
465	West Sacramento	X	X	X	X
466	Westlake Village				
467	Westminster				
468	Westmorland				
469	Wheatland				
470	Whittier				
471	Williams				
472	Willits				
473	Willows				
474	Windsor				
475	Winters				
476	Woodlake				
477	Woodland				
478	Woodside				
479	Yorba Linda				
480	Yountville				
481	Yreka				
482	Yuba City				
483	Yucaipa				
484	Yucca Valley				

Bidders may identify additional unsolicited locations where their Ethernet Services are available in Table 3.2.1.7.b. By indicating "X" in the table below, Contractor commits to providing the Services identified in this section. Commitment is subject to facility availability either through Contractor owned facilities or third-party agreements. Contractor's rates for the MAE services shall be the same for all geographic locations. Additional lines may be added as necessary. Bidders may reference Table 3.2.1.7.a or Table 3.2.1.7.b in their Catalog A, Geographic Availability response. Bidder's Catalog A language shall not conflict with the requirements described herein.

If Bidder is unable to identify all service areas within Table 3.2.1.7.a, Bidder shall provide additional information in the form of a coverage map that includes unincorporated areas.

Table 3.2.1.7.b – Unsolicited Bidder's EVL and EVPL Services Available Areas

	Service Location	EPL MAE Service Connections		EVPLMAE Service Connections	
		10/100 Mbps	1 Gbps	10/100 Mbps	1 Gbps
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

3.3 NETWORK DISASTER/OPERATIONAL RECOVERY

3.3.1 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) PROGRAM

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 Requirement and shall meet or exceed it? Yes _X_ No___

3.3.2 DATA NETWORK DISASTER/OPERATIONAL RECOVERY

Public safety agencies, major data centers, agencies with supporting roles during disaster or emergency operations, and agencies with significant roles in post-disaster recovery have mission-critical needs to maintain network availability during disasters or emergencies.

It is essential that service be restored as soon as possible, and the services most critical to State operations remain operational during efforts to achieve full service recovery.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.4 OTHER SERVICES

3.4.1 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.

3.4.2 EXTENDED DEMARCATION WIRING SERVICES

The Contractor shall provide Extended Demarcation (Extended Demarc) wiring to support the services covered by this IFB for all Customer occupied buildings where services under this Contract are being offered. Extended Demarc wiring includes wiring and cable related activities required to extend the service demarcation point to the Customer defined termination location or cross-connect point from the Contractor's Minimum Point of Entry (MPOE).

Extended Demarc wiring shall include all necessary hardware including wire and/or cable, connectors, jumpers, patch panels, minor materials and jacks. Extended Demarc wiring shall also include all necessary labor required to complete the provisioning of service including installation, testing, trouble shooting, labeling and documentation.

Extended Demarc wiring is limited to the following:

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

The Contractor shall provide installations in accordance with the timeframes identified for the services that this cabling will support, and shall be subject to the SLAs detailed in Section 3.5.8.9 (Provisioning SLAs) associated with that service.

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 in less than 20 minutes or if the Contractor would cause damage to the Customer site or existing cabling in clearing the pathway;
2. The wire/cable pathway is in an asbestos environment 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. Written release of the responsibility to provide the Extended Demarc is provided by either the Customer or by CALNET 3 CMO.

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 (1) Demarc extension as described above. Bidder shall provide one (1) price for each media identified.

The Contractor shall install wiring according to industry standards and cabling recommendations published in the State Telecommunications Management Manual (STMM), Facilities Management Chapter, Uniform Building Cabling/Wiring current at the time of this IFB and as periodically updated by CALNET 3 CMO. Additionally, the Contractor shall install and maintain all wiring in accordance with all applicable EIA/TIA, BICSI, and ITU-T recommended standards current at the time of installation or maintenance.

The Contractor shall provide extended Demarcation Services limited to one (1) occurrence or installation for the specific telecommunications service the cabling is meant to support and must be ordered in conjunction with the service being provisioned. All other cabling will be the responsibility of the Customer and will be acquired through other procurement vehicles.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

The Contractor shall offer the wiring services for extended demarcation detailed in Table 3.4.2.a.

Table 3.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	**Extended Demarcation – Copper four-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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	**Y**		302001
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*			

Table 3.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
2	**Extended Demarcation – Copper four-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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	**Y**		302002
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				
3	**Extended Demarcation – Copper four-Pair – Sundays 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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	**Y**		302003
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				

Table 3.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		302004
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		302005
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				

Table 3.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		302006
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 3.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				
7	**Extended Demarcation – Optical Fiber Link – Regular Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	**Y**		302007
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 3.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				

Table 3.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
8	**Extended Demarcation – Optical Fiber Link – Overtime Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	**Y**		302008
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 3.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				
9	**Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	**Y**		302009
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 3.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				

The Contractor may offer additional extended demarcation wiring services in Table 3.4.2.b.

Table 3.4.2.b Unsolicited Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder's Product Identifier
1	Bidder's Product Description:		
2	Bidder's Product Description:		
3	Bidder's Product Description:		

3.4.3 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 3.4.3 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.

In Cost Worksheet 3.4.3, 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 (10) hours per dispatch/occurrence.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

The Contractor shall offer emergency restoration services as detailed in Table 3.4.3.

Table 3.4.3 Services Related Hourly Support

	Labor Classification Name	Classification Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		303001
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		303002
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		303003
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed anytime on Sunday or State of California holidays.*				

3.5 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 3 CMO 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.

3.5.1 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 shall include source of data and define the points of measurement within the system, application, or network;
4. Service(s) - All applicable Categories or Subcategories will be listed in each SLA;
5. Objective(s) – Defines the SLA performance goal/parameters; and,
6. Rights and Remedies
    a. Per Occurrence: Rights and remedies are paid on a per event basis during the bill cycle; and,
    b. 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 an invoice credit or refund when an 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 the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.2 TECHNICAL REQUIREMENTS VERSUS SLA OBJECTIVES

Sections 3.2 (Ethernet Services), 3.3 (Network Disaster/Operational Recovery) and 3.4 (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 the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.3 TWO METHODS OF OUTAGE REPORTING: CUSTOMER OR CONTRACTOR

There are two (2) methods in which CALNET 3 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 (IFB STPD 12-001-B Business Requirements Section B.9.4).

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 (IFB STPD 12-001-B Business Requirements Section B.9.4) and monitor and report to Customer until service is restored.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.4 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 (1) specific objective level they are committing to for each service in space provided in the "Objective" section of each SLA description.**

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.5 CONTRACTOR SLA MANAGEMENT PLAN

Within 90 calendar days of Contract award, the Contractor shall provide CALNET 3 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 (IFB STPD 12-001-B Business Requirements Section B.9.5). The Contractor shall include a sample report in accordance with IFB STPD 12-001-B Business Requirements Section B.9.5 (SLA Reports) for the following: SLA Service Performance Report (Section IFB STPD 12-001-B Business Requirements Section B.9.5.1), SLA Provisioning Report (IFB STPD 12-001-B Business Requirements Section B.9.5.2), and SLA Catastrophic Outage Reports (IFB STPD 12-001-B Business Requirements Section B.9.5.3). The Contractor shall commit to a monthly due date. The reports shall be provided to the CALNET 3 CMO via the Private Oversight Website (IFB STPD 12-001-B Business Requirements Section B.9.2);
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 3 CMO; 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 3 CMO.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.6 TECHNICAL SLA GENERAL REQUIREMENTS

The Contractor shall adhere to the following general requirements which apply to all CALNET 3 Technical SLAs (Section 3.5.8):

1. With the exception of the Provisioning SLA, the total SLA rights and remedies for any given month shall not exceed the sum of 100 percent 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 (1) 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 3 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;
5. TMRC rights and remedies shall include the service, option(s), and feature(s) charges;
6. The Contractor shall proactively and continuously monitor and measure all Technical SLA objectives;
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;
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 3 CMO for possible inclusion via amendments;
9. The Contractor shall apply CALNET 3 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 3 Customer;
10. The election by CALNET 3 CMO of any SLA remedy covered by this Contract shall not exclude or limit CALNET 3 CMO's 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 (IFB STPD 12-001-B Business Requirements Section B.3.4.2) and/or the CALNET 3 CMO Escalation Process (IFB STPD 12-001-B Business Requirements Section B.3.4.1) 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 24x365 for CALNET 3 services;
15. SLAs apply 24x365 unless SLA specifies an exception;

16. Contractor invoices shall clearly cross reference the SLA credit to the service Circuit ID in accordance with IFB STPD 12-001-B Business Requirements Section B.5.1 (Billing and Invoicing Requirements, #14);
17. The Contractor shall provide a CALNET 3 SLA Manager responsible for CALNET 3 SLA compliance. The SLA Manager shall attend regular meetings and be available upon request to address CALNET 3 CMO SLA oversight, report issues, and problem resolution concerns. The CALNET 3 SLA Manager shall also coordinate SLA support for Customer SLA inquiries and issue resolution;
18. The Contractor shall provide Customer and CALNET 3 CMO 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 3 Customer.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.7 TROUBLE TICKET STOP CLOCK CONDITIONS

The following conditions shall be allowed to stop the trouble ticket Outage Duration for CALNET 3 Contractor trouble tickets. The Contractor shall document the trouble ticket Outage Duration using the Stop Clock Condition (SCC) listed in Table 3.5.7 and include start and stop time stamps in the Contractor's Trouble Ticket Reporting Tool (IFB STPD 12-001-B Business Requirements Section B.9.4) for each application of a SCC.

Note: The Glossary (SOW Appendix A) defines term "End-User" as the "individual within an Entity that is utilizing the feature or service provided under the Contract."

Stop Clock Conditions are limited to the conditions listed in Table 3.5.7.

Table 3.5.7 – Stop Clock Conditions (SCC)

#	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.

Table 3.5.7 – Stop Clock Conditions (SCC)

#	Stop Clock Condition (SCC)	SCC Definition
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.
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	**FACILITIES**	Lack of building entrance Facilities or conduit structure that are the End-User's responsibility to provide.
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: a. Access necessary to correct the problem is not available because access has not been arranged by site contact or End-User representative; b. Site contact refuses access to technician who displays proper identification; 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, d. Site has limited hours of business that directly impacts the Contractor's ability to resolve the problem. 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.
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.

Table 3.5.7 – Stop Clock Conditions (SCC)

#	Stop Clock Condition (SCC)	SCC Definition
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-out 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.
12	**MAINTENANCE**	An outage directly related to any properly performed scheduled maintenance or upgrade scheduled for CALNET 3 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 PMAC General Provisions - Telecommunications, Section 28 (Force Majeure).

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8 TECHNICAL SERVICE LEVEL AGREEMENTS

The Contractor shall provide and manage the following Technical SLAs.

3.5.8.1 Availability (M-S)

SLA Name: Availability

Definition: The percentage of time a CALNET 3 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 affected service (Per Circuit 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 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 Service	

Objective(s):

The objective shall be based on the UNI physical interface:

	Basic (B)	**Standard (S)**	**Premier (P)**	**Bidders Objective Commitment (B, S or P)**
EPL, EP-LAN and EVPL MAE Service 10/100 Mbps	≥ 99.2%	≥ 99.5%	≥ 99.9%	**P**
EPL, EP-LAN and EVPL MAE Service 1Gbps	≥ 99.2%	≥ 99.5%	≥ 99.9%	**P**
EPL, EP-LAN and EVPL MAE Service 10 Gbps	≥ 99.2%	≥ 99.5%	≥ 99.9%	**P**

Rights and Remedies

Per Occurrence: N/A

Monthly Aggregated Measurements:
First month the service fails to meet the committed SLA objective shall result in a 15 percent rebate of the TMRC.

The second consecutive month the service fails to meet the committed SLA objective shall result in a 30 percent rebate of TMRC.

Each additional consecutive month the service fails to meet the committed SLA objective shall result in a 50 percent rebate of the TMRC.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.2 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 (5) 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) affected by a 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) is restored minus SCC. Any service reported by Customer as not having been restored shall have the outage time adjusted to the actual restoration time.

Service(s):

MAE Service	

Objective (s):
The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B, S or P)
MAE Service	≤ 3 hours	≤ 2 hours	≤ 1 hour	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC for each End-User service not meeting the committed objective for each CAT 1 fault
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.3 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 an 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 a 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) basis from information recorded from the network equipment/system or Customer reported trouble ticket. Each End-User service (Circuit 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.

Service(s):

MAE Service	

Objective (s):
The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B, S or P)
MAE Service	≤ 1 hour	≤ 30 minutes	≤ 15 minutes	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC for each End-User service not meeting the committed objective for each CAT 2 fault
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.4 Catastrophic Outage 3 (CAT 3) (M-S)

SLA Name: Catastrophic Outage 3 (CAT 3)

Definition: The total loss of one (1) or more CALNET 3 services 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 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 a common cause. Outage Duration shall be measured on a per-End-User service (Circuit ID) basis from information recorded from the network equipment/system or trouble ticket. Each End-User service (Circuit 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.

Service(s):

MAE Service	

Objectives:

The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B or P)
MAE Service	≤ 30 minutes	N/A	≤ 15 minutes	**B**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC for each End-User service not meeting the committed objective for each CAT 3 fault.
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.5 Excessive Outage (M-S)

SLA Name: Excessive Outage

Definition: A service failure 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 unusable during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If Customer reports a service failure as unresolved after the closure of the trouble ticket by the Contractor, the Unavailable Time shall be adjusted to the actual restoration time.

Service(s):

MAE Service	

Objective (s):
The Unavailable Time objective shall not exceed:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B, S or P)
MAE Service	16 hours	12 hours	8 hours	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC for each service (Circuit ID) out of service for a period greater than the committed objective level. Upon request from the Customer or the CALNET 3 CMO, the Contractor shall provide a briefing on the excessive outage restoration.
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.6 Notification

SLA Name: Notification	
Definition: The Contractor notification to CALNET 3 CMO and designated stakeholders in the event of a CAT 2 or CAT 3 failure, Contractor, Subcontractor or Affiliate network event, terrorist activity, threat of natural disaster, or actual natural disaster which results in a significant loss of telecommunication services to CALNET 3 End-Users or has the potential to impact services in a general or statewide area. The State understands initial information regarding the nature of the outage may be limited.	
Measurement Process: The Contractor shall adhere to the Network Outage Response requirements (IFB STPD 12-001-B Business Requirements Section B.3.3) and notify the CALNET 3 CMO 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 natural disaster, the Contractor shall notify CALNET 3 CMO and designated stakeholder when information is available.	
Service(s): All Services	
Objective (s): Within 60 minutes of the above mentioned failures' start time, the Contractor shall notify CALNET 3 CMO and designated stakeholders using a method defined in IFB STPD 12-001-B Business Requirements Section B.3.3 (Network Outage Response). At 60 minute intervals, updates shall be given on the above mentioned failures via the method defined in Section IFB STPD 12-001-B Business Requirements Section B.3.3 (Network Outage Response). This objective is the same for Basic, Standard and Premier commitments.	
Rights and Remedies	**Per Occurrence:** Senior Management Escalation
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.7 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.

Service(s):

MAE Service	

Objective (s):
The Unavailable Time objective shall not exceed:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B, S or P)
MAE Service	≤ 75ms	≤ 50ms	≤ 25ms	**P**

Rights and Remedies	**Per Occurrence:** 15 percent of the TMRC for the reported service Next consecutive month to fail to meet the committed SLA objectives shall result in a 25 percent rebate of TMRC. Each additional consecutive month to fail to meet the committed SLA objective shall result in a 35 percent rebate of TMRC.
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.8 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.

Service(s):

MAE Service	

Objective (s):
The Packet Loss objective shall not exceed:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B, S or P)
MAE Service	≤ .7% packet loss	≤ .5% packet loss	≤ .2% packet loss	**S**

Rights and Remedies	**Per Occurrence:** 15 percent of the TMRC for the reported service Next consecutive month to fail to meet the committed SLA objectives shall result in a 25 percent rebate of TMRC. Each additional consecutive month to fail to meet the committed SLA objective shall result in a 35 percent rebate of TMRC.
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.9 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 Customer and Contractor documented on the Contractor's order confirmation notification or Contracted Service Project Work SOW in accordance with IFB STPD 12-001-B Section B.2.5.4 #7 (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 Schedule per IFB STPD 12-001-B Business Requirements Section B.6 (Contracted Service Project Work).

Provisioning SLAs have two (2) objectives:

Objective 1: Individual Service Request; 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 Request: Install intervals are based on the committed installation intervals established in this SLA or due dates negotiated between Customer and Contractor. This objective requires the Contractor to meet the due date for each individual Service Request.

Objective 2: Successful Install Monthly Percentage per service Type: The Contractor shall sum all individual Service Requests per service, as listed below, meeting the objective in the measurement period (per month) and divide by the sum of all individual Service Requests due per service in the measurement period and multiply by 100 to equal the percentage of Service Requests installed on time. The Contractor must meet or exceed the objective below in order to avoid the rights and remedies.

Service (Features must be installed in conjunction with the service except when listed below)	Committed Interval Calendar Days	Coordinated/Managed Project
MAE Service	30	Coordinated/Managed Project

Objective (s):
Objective 1: Individual Service Request: Service installed on or before the Committed Interval or negotiated due date.
Objective 2: Successful Install Monthly Percentage per Service:

	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (S or P)
MAE Service	N/A	≥ 90%	≥ 95%	**S**

Rights and Remedies	**Per Occurrence:** Objective 1: Individual Service Requests: 50 percent of installation fee credited to Customer for any missed committed objective.
	Monthly Aggregated Measurements: Objective 2: 100 percent of the installation fee credited to Customer for all Service Requests (per service type) that did not complete on time during the month if the Successful Install Monthly Percentage is below the committed objective.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.10 Time to Repair (TTR) (M-S)

SLA Name: Time to Repair (TTR)

Definition: A service outage 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 unusable during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If Customer reports a service failure as 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.

Service(s):

MAE Service	

Objective (s):
The Unavailable Time objective shall not exceed:

Service	Basic (B)	Standard (S)	Premier (P)	Bidders Objective Commitment (B or S)
MAE Service	6 hours	4 hours	N/A	S

Rights and Remedies	**Per Occurrence:** 25 percent of the TMRC per occurrence for each service (Circuit ID) out of service for a period greater than the committed objective level.
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.11 Managed Service Proactive Notification (M-S)

SLA Name: Managed Service Proactive Notification	
Definition: The proactive outage notification provides credits if the Contractor fails to open a trouble ticket and notify Customer of an Outage for a managed router service. Notification to the Customer shall occur through means agreed to by Contractor and CALNET 3 CMO. An Outage is defined as an unscheduled period in which the managed router service is 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 (15) minutes (Notification Period) to 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	
Service(s):	
MAE Services, with Managed Router	
Objective (s): 15 Minutes	
Rights and Remedies	**Per Occurrence:** Customer will receive a credit equal to ten percent of the TMRC for Managed Internet Service (Circuit ID) that was impacted during an outage if the Customer was not proactively notified within the notification period
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes_ X__ No____

3.5.8.12 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 Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.13 Proposed Unsolicited Offerings

The Contractor shall provide SLAs as defined in SLA Section 3.5 for each unsolicited offering determined by the CALNET 3 CMO 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 Requirement and shall meet or exceed it? Yes _X_ No___

3.5.8.14 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 this Section 3.5.8.

Bidder understands the Requirement and shall meet or exceed it? Yes _X_ No___

INTEGRA TELECOM

IFB STPD 12-001-B,
C3-B-12-10-TS-09

Amendment #1

Rev. September 8, 2014

CALNET 3, Category 3
Metropolitan Area Network (MAN) Ethernet

Volume 3 - Cost Information

SOW CATALOG A

Table of Contents

SOW CATALOG A

Instructions:

Bidders should refer to IFB STPD 12-001-B Section 4.4.2, SOW *Catalog A – Final List of Awarded Items with Bid Costs*, for instructions regarding completing this Catalog A.

Provide the name of the Bidding organization below:

Name of Bidder: Integra Telecom Holdings, Inc.

3.2.1.6.a MAE Services and Features

Contractor's Summary description of service:

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

Geographic Availability:

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

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

Service Limitations and Restrictions

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

Change Charge Applicability:

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

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	EPL MAE Service Connection 10/100 Mbps	301001	10/100 Mbps Ethernet port per location; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$170.00	Each	$150.00
2	EPL MAE Service Connection 10/100 Mbps with Managed Router	301002	10/100 Mbps Ethernet port per location with managed router; Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$245.00	Each	$150.00
3	EPL MAE Service Connection Gigabit Ethernet (1 Gbps)	301003	1000 Mbps Ethernet port per location; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$250.00	Each	$150.00
4	EPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301004	1000 Mbps Ethernet port per location with managed router; Assessed per interface at bandwidths of 1Gbps Ethernet. The EPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$325.00	Each	$150.00

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
5	EVPL MAE Service Connection 10/100 Mbps	301005	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$170.00	Each	$150.00
6	EVPL MAE Service Connection 10/100 Mbps with Managed Router	301006	Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T) with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$245.00	Each	$150.00
7	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps)	301007	Assessed per interface at bandwidths of 1Gbps Ethernet. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$250.00	Each	$150.00
8	EVPL MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301008	Assessed per interface at bandwidths of 1Gbps Ethernet with managed router. The EVPL connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one EVC and the NI.		$150.00	$325.00	Each	$150.00

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
9	Additional MAE MAC Addresses (51-100)	301009	MAC Address rate element is a data link layer protocol used for Layer 2 connectivity. Standard service allows up to 50 MAC addresses to be present per EPL/EVPL connection. This optional feature increases that limit to up to 100 MAC addresses per EPL/EVPL connection. A technical review will be necessary to determine if service can be provided and for approval to exceed the limit.		$5.00	$0.50	Each	N/A
10	Ethernet Virtual Connection (EVC) MAE	301010	EVC rate element. EVCs shall be assigned in 1 Mbps increments within each port range. Customer may order additional EVCs to establish additional virtual connections over the same physical connections. When additional EVCs are ordered, the Customer must designate the portion of the CIR bandwidth assigned to each EVC.		$5.00	$0.50	Each	N/A
11 CIR (Basic CoS MAE)								
11	BASIC CIR - 2 Mbps	301201	The guaranteed average bandwidth of the virtual circuit.		$15.00	$39.22	Each	N/A
12	BASIC CIR MAE - 4 Mbps	301202	The guaranteed average bandwidth of the virtual circuit.		$15.00	$58.84	Each	N/A
13	BASIC CIR MAE - 8 Mbps	301203	The guaranteed average bandwidth of the virtual circuit.		$15.00	$104.61	Each	N/A
12 CIR (PRIORITY CoS)								

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
14	PRIORITY CIR MAE - 2 Mbps	301401	The guaranteed average bandwidth of the virtual circuit.		$15.00	$46.15	Each	N/A
15	PRIORITY CIR MAE - 4 Mbps	301402	The guaranteed average bandwidth of the virtual circuit.		$15.00	$69.22	Each	N/A
16	PRIORITY CIR MAE - 5 Mbps	301403	The guaranteed average bandwidth of the virtual circuit.		$15.00	$80.00	Each	N/A
17	PRIORITY CIR MAE -8 Mbps	301404	The guaranteed average bandwidth of the virtual circuit.		$15.00	$123.07	Each	N/A
18	PRIORITY CIR MAE - 10 Mbps	301405	The guaranteed average bandwidth of the virtual circuit.		$15.00	$239.21	Each	N/A
19	PRIORITY CIR MAE - 20 Mbps	301406	The guaranteed average bandwidth of the virtual circuit.		$15.00	$335.35	Each	N/A
20	PRIORITY CIR MAE - 50 Mbps	301407	The guaranteed average bandwidth of the virtual circuit.		$15.00	$409.19	Each	N/A
21	PRIORITY CIR MAE - 100 Mbps	301408	The guaranteed average bandwidth of the virtual circuit.		$15.00	$483.03	Each	N/A
22	PRIORITY CIR MAE - 150 Mbps	301409	The guaranteed average bandwidth of the virtual circuit.		$15.00	$531.33	Each	N/A

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
23	PRIORITY CIR MAE - 250 Mbps	301410	The guaranteed average bandwidth of the virtual circuit.		$15.00	$584.46	Each	N/A
24	PRIORITY CIR MAE - 500 Mbps	301411	The guaranteed average bandwidth of the virtual circuit.		$15.00	$642.91	Each	N/A
25	PRIORITY CIR MAE - 600 Mbps	301412	The guaranteed average bandwidth of the virtual circuit.		$15.00	$707.20	Each	N/A
26	PRIORITY CIR MAE - 1000 Mbps	301413	The guaranteed average bandwidth of the virtual circuit.		$15.00	$777.92	Each	N/A
13 CIR (PREMIUM CoS)								
27	PREMIUM CIR MAE - 2 Mbps	301601	The guaranteed average bandwidth of the virtual circuit.		$15.00	$53.07	Each	N/A
28	PREMIUM CIR MAE - 4 Mbps	301602	The guaranteed average bandwidth of the virtual circuit.		$15.00	$79.61	Each	N/A
29	PREMIUM CIR MAE – 5 Mbps	301603	The guaranteed average bandwidth of the virtual circuit.		$15.00	$92.00	Each	N/A
30	PREMIUM CIR MAE – 8 Mbps	301604	The guaranteed average bandwidth of the virtual circuit.		$15.00	$141.53	Each	N/A
31	PREMIUM CIR MAE – 10 Mbps	301605	The guaranteed average bandwidth of the virtual circuit.		$15.00	$275.09	Each	N/A

3.2.1.6.a MAE Services and Features								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
32	PREMIUM CIR MAE – 20 Mbps	301606	The guaranteed average bandwidth of the virtual circuit.		$15.00	$385.65	Each	N/A
33	PREMIUM CIR MAE – 50 Mbps	301607	The guaranteed average bandwidth of the virtual circuit.		$15.00	$470.57	Each	N/A
34	PREMIUM CIR MAE – 100 Mbps	301608	The guaranteed average bandwidth of the virtual circuit.		$15.00	$555.48	Each	N/A
35	PREMIUM CIR MAE – 150 Mbps	301609	The guaranteed average bandwidth of the virtual circuit.		$15.00	$611.03	Each	N/A
36	PREMIUM CIR MAE – 250 Mbps	301610	The guaranteed average bandwidth of the virtual circuit.		$15.00	$672.13	Each	N/A
37	PREMIUM CIR MAE – 500 Mbps	301611	The guaranteed average bandwidth of the virtual circuit.		$15.00	$739.35	Each	N/A
38	PREMIUM CIR MAE – 600 Mbps	301612	The guaranteed average bandwidth of the virtual circuit.		$15.00	$813.28	Each	N/A
39	PREMIUM CIR MAE – 1000 Mbps	301613	The guaranteed average bandwidth of the virtual circuit.		$15.00	$894.61	Each	N/A

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Contractor's Summary description of service:

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

This service shall provide a logical Multipoint-to-Multipoint connection between three (3) or more Customer locations or Customer locations and the Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location as a fully meshed service. An EP-LAN service shall enable Customers to use any VLANs or layer 2 control protocols across the service without coordination with the Contractor. The EP-LAN service complies with the same Industry requirements as the EPL services such as MEF, IEEE, IETF, and the ITU.

Product Benefits:

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

Geographic Availability:

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

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

Service Limitations and Restrictions

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

Change Charge Applicability:

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

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	Standard CoS MAE (EP-LAN)	301614	Standard CoS supports data applications with less tolerance for delay than those with least priority. There are service performance parameters associated with this Class of Service.		$0.00	$0.00	per circuit	$0.00
2	Ethernet Private LAN (EP-LAN) MAE Service	301615	This service shall provide a logical Multipoint-to-Multipoint connection between three (3) or more Customer locations or Customer locations and the Service Provider Point of Presence (POP), Interexchange Carrier POP, or another 3rd party location as a fully meshed service. An EP-LAN service shall enable Customers to use any VLANs or layer 2 control protocols across the service without coordination with the Contractor. The EP-LAN service complies with the same Industry requirements as the EPL services such as MEF, IEEE, IETF, and the ITU. Product Benefits: E-LAN allows remote locations or nodes to share Ethernet traffic as if they were all locally connected to the same in-building network. It is a service type for multipoint Layer-2 Virtual Private LANs (VPNs), transparent LAN service, and multicast networks.		$0.00	$4.10	per circuit	$0.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
3	EP-LAN MAE Service Connection 10/100 Mbps	301616	10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.		$200.00	$190.00	per circuit	$200.00
4	EP-LAN MAE Service Connection 10/100 Mbps with Managed Router	301617	10/100 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10/100 Mbps (10/100BASE-T). The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) Best Effort EVC and the NI.		$200.00	$380.00	per circuit	$200.00
5	EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps)	301618	1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		$200.00	$325.00	per circuit	$200.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
6	EP-LAN MAE Service Connection Gigabit Ethernet (1 Gbps) with Managed Router	301619	1000 Mbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 1Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		$200.00	$650.00	per circuit	$200.00
7	EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps)	301620	10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		$1,000.00	$1,200.00	per circuit	$1,000.00
8	EP-LAN MAE Service Connection Gigabit Ethernet (10 Gbps) with Managed Router	301621	10 Gbps Ethernet port per location (UNI); Assessed per interface at bandwidths of 10Gbps Ethernet. The EP-LAN connection rate element includes the physical connection (Access Link) between the Customer's demarcation and the core Ethernet network, the port, one (1) EVC and the NI.		$1,000.00	$3,000.00	per circuit	$1,000.00
9	Ethernet Virtual Connection (EVC) MAE (also to be used with EP-LAN)	301010	EVC rate element. EVCs shall be assigned in 1 Mbps increments within each port range. Customer may order additional EVCs to establish additional virtual connections over the same physical connections. When additional EVCs are ordered, the Customer must designate the portion of the CIR bandwidth assigned to each EVC.		$5.00	$0.50	Each	N/A

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
	CIR (BASIC CoS MAE) for EP-LAN:		Traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Basic CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard. Basic CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 0, or Best Effort Class of Service (CoS).					
10	BASIC CIR EP-LAN - 2 Mbps	301623	The guaranteed average bandwidth of the virtual circuit		$75.00	$43.58	per circuit	$75.00
11	BASIC CIR MAE - 4 Mbps	301624	The guaranteed average bandwidth of the virtual circuit		$75.00	$65.38	per circuit	$75.00
12	BASIC CIR MAE - 8 Mbps	301625	The guaranteed average bandwidth of the virtual circuit		$75.00	$116.23	per circuit	$75.00
	CIR (Standard CoS) for EP-LAN:		Traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Standard CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard. Standard CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 1, or Business Class of Service (CoS).					
13	STANDARD CIR MAE - 2 Mbps	301626	The guaranteed average bandwidth of the virtual circuit.		$75.00	$51.27	per circuit	$75.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
14	STANDARD CIR MAE - 4 Mbps	301627	The guaranteed average bandwidth of the virtual circuit.		$75.00	$76.91	per circuit	$75.00
15	STANDARD CIR MAE - 5 Mbps	301628	The guaranteed average bandwidth of the virtual circuit.		$75.00	$88.88	per circuit	$75.00
16	STANDARD CIR MAE - 8 Mbps	301629	The guaranteed average bandwidth of the virtual circuit.		$75.00	$136.74	per circuit	$75.00
17	STANDARD CIR MAE - 10 Mbps	301630	The guaranteed average bandwidth of the virtual circuit.		$75.00	$265.78	per circuit	$75.00
18	STANDARD CIR MAE - 20 Mbps	301631	The guaranteed average bandwidth of the virtual circuit.		$75.00	$372.61	per circuit	$75.00
19	STANDARD CIR MAE - 50 Mbps	301632	The guaranteed average bandwidth of the virtual circuit.		$75.00	$454.65	per circuit	$75.00
20	STANDARD CIR MAE - 100 Mbps	301633	The guaranteed average bandwidth of the virtual circuit.		$75.00	$536.70	per circuit	$75.00
21	STANDARD CIR MAE - 150 Mbps	301634	The guaranteed average bandwidth of the virtual circuit.		$75.00	$341.76	per circuit	$75.00
22	STANDARD CIR MAE - 250 Mbps	301635	The guaranteed average bandwidth of the virtual circuit.		$75.00	$512.77	per circuit	$75.00
23	STANDARD CIR MAE - 500 Mbps	301636	The guaranteed average bandwidth of the virtual circuit.		$75.00	$598.23	per circuit	$75.00
24	STANDARD CIR MAE - 600 Mbps	301637	The guaranteed average bandwidth of the virtual circuit.		$75.00	$640.96	per circuit	$75.00
25	STANDARD CIR MAE - 1000 Mbps	301638	The guaranteed average bandwidth of the virtual circuit.		$75.00	$678.56	per circuit	$75.00
26	STANDARD CIR MAE - 2000 Mbps	301639	The guaranteed average bandwidth of the virtual circuit.		$75.00	$798.56	per circuit	$75.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
27	STANDARD CIR MAE - 3000 Mbps	301640	The guaranteed average bandwidth of the virtual circuit.		$75.00	$918.56	per circuit	$75.00
28	STANDARD CIR MAE - 4000 Mbps	301641	The guaranteed average bandwidth of the virtual circuit.		$75.00	$1,038.56	per circuit	$75.00
	1CIR (PRIORITY CoS) for EP-LAN:		Traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Priority CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard. Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 4, or Business Class of Service (CoS).					
29	PRIORITY CIR MAE - 2 Mbps	301642	The guaranteed average bandwidth of the virtual circuit.		$75.00	$51.27	per circuit	$75.00
30	PRIORITY CIR MAE - 4 Mbps	301643	The guaranteed average bandwidth of the virtual circuit.		$75.00	$76.91	per circuit	$75.00
31	PRIORITY CIR MAE - 5 Mbps	301644	The guaranteed average bandwidth of the virtual circuit.		$75.00	$88.88	per circuit	$75.00
32	PRIORITY CIR MAE - 8 Mbps	301645	The guaranteed average bandwidth of the virtual circuit.		$75.00	$136.74	per circuit	$75.00
33	PRIORITY CIR MAE - 10 Mbps	301646	The guaranteed average bandwidth of the virtual circuit.		$75.00	$321.33	per circuit	$75.00
34	PRIORITY CIR MAE - 20 Mbps	301647	The guaranteed average bandwidth of the virtual circuit.		$75.00	$438.41	per circuit	$75.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
35	PRIORITY CIR MAE - 50 Mbps	301648	The guaranteed average bandwidth of the virtual circuit.		$75.00	$529.01	per circuit	$75.00
36	PRIORITY CIR MAE - 100 Mbps	301649	The guaranteed average bandwidth of the virtual circuit.		$75.00	$619.59	per circuit	$75.00
37	PRIORITY CIR MAE - 150 Mbps	301650	The guaranteed average bandwidth of the virtual circuit.		$75.00	$427.30	per circuit	$75.00
38	PRIORITY CIR MAE - 250 Mbps	301651	The guaranteed average bandwidth of the virtual circuit.		$75.00	$683.69	per circuit	$75.00
39	PRIORITY CIR MAE - 500 Mbps	301652	The guaranteed average bandwidth of the virtual circuit.		$75.00	$769.15	per circuit	$75.00
40	PRIORITY CIR MAE - 600 Mbps	301653	The guaranteed average bandwidth of the virtual circuit.		$75.00	$790.51	per circuit	$75.00
41	PRIORITY CIR MAE - 1000 Mbps	301654	The guaranteed average bandwidth of the virtual circuit.		$75.00	$805.90	per circuit	$75.00
42	PRIORITY CIR MAE - 2000 Mbps	301655	The guaranteed average bandwidth of the virtual circuit.		$75.00	$925.90	per circuit	$75.00
43	PRIORITY CIR MAE - 3000 Mbps	301656	The guaranteed average bandwidth of the virtual circuit.		$75.00	$1,045.90	per circuit	$75.00
44	PRIORITY CIR MAE - 4000 Mbps	301657	The guaranteed average bandwidth of the virtual circuit.		$75.00	$1,165.90	per circuit	$75.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
	CIR (PREMIUM CoS) for EP-LAN:		Traffic within the Committed Information Rate ("CIR") profile is sent across Integra's network in adherence to Class of service profile Premium CoS and the associated Service Level Objectives for EP-LAN Services. Input traffic on an EVC exceeding these CIR profiles is subject to discard. Priority CIR is defined on the Integra network as Ethernet frames with a pBit identifier of 5, or Business Class of Service (CoS).					
45	PREMIUM CIR MAE - 2 Mbps	301658	The guaranteed average bandwidth of the virtual circuit.		$75.00	$53.84	per circuit	$75.00
46	PREMIUM CIR MAE - 4 Mbps	301659	The guaranteed average bandwidth of the virtual circuit.		$75.00	$80.76	per circuit	$75.00
47	PREMIUM CIR MAE - 5 Mbps	301660	The guaranteed average bandwidth of the virtual circuit.		$75.00	$93.33	per circuit	$75.00
48	PREMIUM CIR MAE - 8 Mbps	301661	The guaranteed average bandwidth of the virtual circuit.		$75.00	$143.58	per circuit	$75.00
49	PREMIUM CIR MAE - 10 Mbps	301662	The guaranteed average bandwidth of the virtual circuit.		$75.00	$337.40	per circuit	$75.00
50	PREMIUM CIR MAE - 20 Mbps	301663	The guaranteed average bandwidth of the virtual circuit.		$75.00	$460.33	per circuit	$75.00
51	PREMIUM CIR MAE - 50 Mbps	301664	The guaranteed average bandwidth of the virtual circuit.		$75.00	$555.46	per circuit	$75.00
52	PREMIUM CIR MAE - 100 Mbps	301665	The guaranteed average bandwidth of the virtual circuit.		$75.00	$650.57	per circuit	$75.00

3.2.1.6.b Unsolicited EP-LAN MAE Services and Features

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
53	PREMIUM CIR MAE - 150 Mbps	301666	The guaranteed average bandwidth of the virtual circuit.		$75.00	$448.67	per circuit	$75.00
54	PREMIUM CIR MAE - 250 Mbps	301667	The guaranteed average bandwidth of the virtual circuit.		$75.00	$717.87	per circuit	$75.00
55	PREMIUM CIR MAE - 500 Mbps	301668	The guaranteed average bandwidth of the virtual circuit.		$75.00	$807.61	per circuit	$75.00
56	PREMIUM CIR MAE - 600 Mbps	301669	The guaranteed average bandwidth of the virtual circuit.		$75.00	$830.04	per circuit	$75.00
57	PREMIUM CIR MAE - 1000 Mbps	301670	The guaranteed average bandwidth of the virtual circuit.		$75.00	$846.19	per circuit	$75.00
58	PREMIUM CIR MAE - 2000 Mbps	301671	The guaranteed average bandwidth of the virtual circuit.		$75.00	$972.19	per circuit	$75.00
59	PREMIUM CIR MAE - 3000 Mbps	301672	The guaranteed average bandwidth of the virtual circuit.		$75.00	$1,098.19	per circuit	$75.00
60	PREMIUM CIR MAE - 4000 Mbps	301673	The guaranteed average bandwidth of the virtual circuit.		$75.00	$1,224.19	per circuit	$75.00

3.4.2 Extended Demarcation Wiring Services

Contractor's Summary description of service:

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

Extended Demarc wiring shall include all necessary hardware including wire and/or cable, connectors, jumpers, patch panels, minor materials and jacks. Extended Demarc wiring shall also include all necessary labor required to complete the provisioning of service including installation, testing, trouble shooting, labeling and documentation.

Extended Demarc wiring is limited to the following:

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

Geographic Availability:

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

Service Limitations and Restrictions

Integra's Extended Demarcation Wiring Services require a no-cost customer consultation regarding specific wiring requirements prior to finalizing a service order and implementation.

Change Charge Applicability:

N/A

3.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	Extended Demarcation – Copper four-Pair – Regular Hours	302001	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$143.00	N/A	Installation	N/A
2	Extended Demarcation – Copper four Pair – Overtime Hours	302002	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$170.00	N/A	Installation	N/A
3	Extended Demarcation – Copper four Pair – Sunday and Holiday Hours	302003	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$170.00	N/A	Installation	N/A
4	Extended Demarcation – Copper 25 Pair – Regular Hours	302004	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$170.00	N/A	Installation	N/A

3.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
5	Extended Demarcation – Copper 25 Pair – Overtime Hours	302005	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$224.00	N/A	Installation	N/A
6	Extended Demarcation – Copper 25 Pair – Sunday and Holiday Hours	302006	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 3.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$224.00	N/A	Installation	N/A

3.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
7	Extended Demarcation – Optical Fiber Link – Regular Hours	302007	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$798.80	N/A	Installation	N/A
8	Extended Demarcation – Optical Fiber Link – Overtime Hours	302008	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$850.00	N/A	Installation	N/A

3.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
9	Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours	302009	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 3.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$850.00	N/A	Installation	N/A

3.4.3 Services Related Hourly Support

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

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

Service Limitations and Restrictions

Change Charge Applicability:
N/A

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	Field Service Repair Technician Regular Hours	303001	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$135.00	Hour	N/A
2	Field Service Repair Technician Overtime Hours	303002	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$300.00	Hour	N/A
3	Field Service Repair Technician Sunday and Holiday Hours	303003	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$300.00	Hour	N/A

INTEGRA TELECOM

IFB STPD 12-001-B, C3-B-12-10-TS-09

Amendment #1

September 8, 2014

CALNET 3, Category 5
Managed Internet Services

Volume 2 – Response to Unique Category Requirements

SOW Technical Requirements Response

Table of Contents

SOW Technical Requirements

Category 5 – MANAGED INTERNET SERVICES

5.1 OVERVIEW

This Category 5 IFB provides the State's solicitation for best value solutions for managed Internet services. This IFB describes the CALNET 3 technical requirements necessary to support the CALNET 3 program requirements.

This IFB will be awarded to Bidders that meet the award criteria as described in IFB Section 4. The CALNET 3 Contract(s) that result from the award of this IFB will be managed on a day-to-day basis by the CALNET 3 Contract Management and Oversight (CALNET 3 CMO).

5.1.1 BIDDER RESPONSE REQUIREMENTS

Throughout this IFB, Bidders are required to acknowledge acceptance of the requirements described herein by responding to one (1) of the following:

Example A (for requirements that require confirmation that the Bidder understands and accepts the requirement):

"Bidder understands the Requirement and shall meet or exceed it? Yes ____ No_____"

Or,

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

"Bidder understands the requirements in Section xxx and shall meet or exceed them? Yes _____ No_____

Description:"

5.1.2 DESIGNATION OF REQUIREMENTS

All Technical Requirements specified in this IFB Section are Mandatory and must be responded to as identified in IFB Section 3.4.2.5 by the Bidder. Additionally, some Mandatory requirements are "Mandatory-Scorable" and are designated as "(M-S)". The State will have the option of whether or not to include each item in the Contract, based on the best interest of the State. Furthermore, Customers will have the option whether or not to order services or features included in the Contract. Service Requests for some CALNET 3 services or features may require CALNET 3 CMO approval.

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 Bidder provided unsolicited items include features described in the IFB requirements and are not billable in the Cost Worksheets, the cost associated with the features shall not be included in the unsolicited service unless it represents an unbundling of the mandatory service.

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.

5.1.3 PACIFIC TIME ZONE

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

5.2 MANAGED INTERNET SERVICE

The Contractor shall provide dedicated Internet access service that provides high-speed Internet access through communications facilities managed by the Contractor.

Bidder shall describe in detail the high-speed Internet access service(s) that will be provided under this Contract.

When describing the full suite of services offered, bidders should clearly indicate and differentiate those services that will be used to meet the minimum requirements and those services that are offered as unsolicited.

*Bidder understands the requirements in Section 5.2 and shall meet or exceed them? Yes __**X**__ No_____*

Description:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Some of those are DSL, Bonded DSL, T1, NxT1, DS3, OC3 through OC192 and all Ethernet bandwidths from 1 Meg to 10 Gig. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Firewall (Cloud), IPV6 support, Distributed Denial of Service (DDoS) mitigation and ISP services such as hosted mail servers.

5.2.1 INTERNET SERVICES GENERAL REQUIREMENTS

The Contractor's network shall connect a Customer's Local Area Network (LAN) or application to the Internet by providing highly reliable transport and Internet Protocol (IP) connectivity. The service shall use the Transmission Control Protocol/Internet Protocol (TCP/IP) to interconnect customer premise equipment (CPE) to the public Internet Service Provider (ISP) networks.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.2 NETWORK CAPABILITIES

The Contractor's network shall have:

1. Established public peering arrangements from the Contractor's network to the Internet.
2. Private peering arrangements established from the Contractor's network with redundant links to connect to its private peering partners.

3. Support for Customer assigned and Internet Corporation for Assigned Names and Numbers (ICANN) registered IP addresses and domain names.
4. Primary and Secondary Domain Name Service (DNS) to provide an authoritative name server for the Customer.

The Contractor shall provide support for the border gateway protocol (BGP) for Customers with registered Autonomous System (AS) numbers.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.2.1 Standards

Dedicated Internet Services shall comply with the following standards, as applicable, and when commercially available by the Contractor:

1. Internet Engineering Task Force (IETF) Requests for Comments (RFCs);
2. ANSI T1;
3. ITU TSS Recommendations;
4. ATM Forum;
5. Frame Relay Forum implementation agreements;
6. North American ISDN Users Forum (NIUF);
7. IEEE
   a. 802.10;
   b. 802.1P; and
   c. 802.3AD.
8. Metro Ethernet Forum (MEF);
9. IETF RFCs for IPv6 when offered commercially by the Contractor; and
10. All new versions, amendments, and modifications to the above documents and standards as they become commercially available.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.3 NETWORK OPERATIONS AND MANAGEMENT

5.2.3.1 General Description

The Contractor's data network(s) shall meet established industry standards.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.3.2 Network Operations Center

The Contractor shall maintain a Network Operations Center (NOC) that is staffed 24x365 that coordinates and manages all data traffic.

The NOC shall perform the following services:

1. Network surveillance;
2. Fault management (trouble identification, isolation and notification); and,
3. Monitor network performance in near real-time to identify capacity blockages and implement controls to optimize network health and performance immediately.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.3.3 Security

5.2.3.3.1 ***Physical Access***

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 Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.3.3.2 ***Network Security***

The Contractor's network security solution shall incorporate the following features:

1. The Contractor's network equipment locations and data centers shall use carrier grade platforms; and,
2. All equipment shall be in a hardened facility and all unnecessary services shall be disabled or removed.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.3.3.3 *Security Event Notifications*

The Contractor shall provide the designated State representatives with notifications of suspected and real security violations that impact CALNET 3 Customers within one (1) hour of such determination via telephonic means or email.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.4 DEDICATED INTERNET FLAT RATE SERVICES TECHNICAL REQUIREMENTS

The service shall connect a Customer's LAN or application to the Internet by providing highly reliable transport and IP connectivity to the internet.

The speeds in the Feature Names in Table 5.2.4.1.b indicate download speeds. Bidder shall indicate the upload speeds in the Bidder's Product Description in Table 5.2.4.1.b, Table 5.2.4.2.b and in Catalog A, Column E (Feature Restrictions, Limitations and Additional Information).

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.4.1 Internet Flat Rate Service (InFRa)

The Contractor shall provide Internet Flat Rate Service (InFRa) at the speeds identified in Table 5.2.4.1.b. The services shall consist of a dedicated Internet port and transport from the Customer site to the nearest Contractor Point-of-Presence (POP). The service shall include all equipment, cabling and labor required to provide a User-to-Network Interface (UNI) at the Customer premise Minimum Point of Entry (MPOE). The Contractor shall describe the User-to-Network Interface characteristics in the rows provided in Table 5.2.4.1.b using Table 5.2.4.1.a as a guide. Table 5.2.4.1.a is a guide only. Contractors shall follow the format as closely as possible if the guide content does not align with a particular Contractor technology or offering.

Table 5.2.4.1.a – InFRa UNI Guide

	Interface/Access Type	Network-Side Interface	Protocol
1	Asynchronous Transfer Mode Service (ATMS)	1. T1 2. T3 3. OC-3c 4. OC-12c	IPv4/v6 over ATMS

Table 5.2.4.1.a – InFRa UNI Guide

	Interface/Access Type	Network-Side Interface	Protocol
2	Cable High Speed Access	N/A	Point-to-Point Protocol, IPv4/v6
3	Ethernet Interface	1. 1 Mbps up to 1 GbE (Gigabit Ethernet) 2. 10 GbE	IPv4/v6 over Ethernet
4	Frame Relay Service (FRS)	1. Fractional T1 2. T1 3. Fractional T3 4. T3	IPv4/v6 over FRS
5	IP over SONET Service	1. OC-3c 2. OC-12c 3. OC-48c 4. OC-192c	IP/PPP over SONET
6	Private Line Service (PLS)	1. Fractional T1 2. T1 3. Fractional T3 4. T3 5. OC-3c 6. OC-12c 7. OC-48c 8. OC-192c	IPv4/v6 over PLS
7	DSL Service	xDSL access	Point-to-point protocol, IPv4/v6

The Contractor shall offer the InFRa Services detailed in Table 5.2.4.1.b. Bidders shall identify the Interface/Access Type(s), Network Side Interface(s) (if applicable), and the Protocol(s) applicable to each speed listed in Table 5.2.4.1.b. Bidders must provide at least one (1) service/solution for each InFRa speed listed in Table 5.2.4.1.b. Additional Internet Flat Rate Services that utilize different UNI's with different product identifiers and associated costs should be listed in an Unsolicited table in the same fashion as Table 5.2.4.1.b.

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InFRa @ 1.544Mbps	Internet Flat Rate Service (InFRa) at 1.544Mbps. Includes dedicated Internet port and transport.	**Y**		501001
	Bidder's Product Description: *Delivery of a T1 (with 1.544Mbps upload speeds) via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
2	InFRa @ 2Mbps	Internet Flat Rate Service (InFRa) at 2Mbps. Includes dedicated Internet port and transport.	**Y**		501002
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 2Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
3	InFRa @ 3Mbps	Internet Flat Rate Service (InFRa) at 3Mbps. Includes dedicated Internet port and transport.	**Y**		501003
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 3Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
4	InFRa @ 4Mbps	Internet Flat Rate Service (InFRa) at 4Mbps. Includes dedicated Internet port and transport.	**Y**		501004
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 4Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
5	InFRa @ 4.5Mbps	Internet Flat Rate Service (InFRa) at 4.5Mbps. Includes dedicated Internet port and transport.	**Y**		501005
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 4.5Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
6	InFRa @ 5Mbps	Internet Flat Rate Service (InFRa) at 5Mbps. Includes dedicated Internet port and transport.	**Y**		501006
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 5Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
7	InFRa @ 6Mbps	Internet Flat Rate Service (InFRa) at 6Mbps. Includes dedicated Internet port and transport.	**Y**		501007
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provide1 to deliver 6Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered..*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
8	InFRa @ 7Mbps	Internet Flat Rate Service (InFRa) at 7Mbps. Includes dedicated Internet port and transport.	**Y**		501008
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 7Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
9	InFRa @ 7.5Mbps	Internet Flat Rate Service (InFRa) at 7.5Mbps. Includes dedicated Internet port and transport.	**Y**		501009
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 7.5Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
10	InFRa @ 8Mbps	Internet Flat Rate Service (InFRa) at 8Mbps. Includes dedicated Internet port and transport.	**Y**		501010
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 8Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; ro10/100Base-T RJ48 Ethernet jack uting protocol is PPP or Static.*				
11	InFRa @ 9Mbps	Internet Flat Rate Service (InFRa) at 9Mbps. Includes dedicated Internet port and transport.	**Y**		501011
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 9Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
12	InFRa @ 10Mbps	Internet Flat Rate Service (InFRa) at 10Mbps. Includes dedicated Internet port and transport.	**Y**		501012
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 10Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
13	InFRa @ 10.5Mbps	Internet Flat Rate Service (InFRa) at 10.5Mbps. Includes dedicated Internet port and transport.	**Y**		501013
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 10.5Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
14	InFRa @ 12Mbps	Internet Flat Rate Service (InFRa) at 12Mbps. Includes dedicated Internet port and transport.	**Y**		501014
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided to deliver 12Mbps upload speeds. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
15	InFRa @ 15Mbps	Internet Flat Rate Service (InFRa) at 15Mbps. Includes dedicated Internet port and transport.	**Y**		501015
	Bidder's Product Description: *Delivery of 15 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
16	InFRa @ 20Mbps	Internet Flat Rate Service (InFRa) at 20Mbps. Includes dedicated Internet port and transport.	**Y**		501016
	Bidder's Product Description: *Delivery of 20 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
17	InFRa @ 25Mbps	Internet Flat Rate Service (InFRa) at 25Mbps. Includes dedicated Internet port and transport.	**Y**		501017
	Bidder's Product Description: *Delivery of 25 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
18	InFRa @ 30Mbps	Internet Flat Rate Service (InFRa) at 30Mbps. Includes dedicated Internet port and transport.	**Y**		501018
	Bidder's Product Description: *Delivery of 30 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
19	InFRa @ 35Mbps	Internet Flat Rate Service (InFRa) at 35Mbps. Includes dedicated Internet port and transport.	**Y**		501019
	Bidder's Product Description: *Delivery of 35 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
20	InFRa @ 40Mbps	Internet Flat Rate Service (InFRa) at 40Mbps. Includes dedicated Internet port and transport.	**Y**		501020
	Bidder's Product Description: *Delivery of 40 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
21	InFRa @ 45Mbps	Internet Flat Rate Service (InFRa) at 45Mbps. Includes dedicated Internet port and transport.	**Y**		501021
	Bidder's Product Description: *Delivery of 45 Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or DS-3 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
22	InFRa @ 60Mbps	Internet Flat Rate Service (InFRa) at 60Mbps. Includes dedicated Internet port and transport.	**Y**		501022
	Bidder's Product Description: *Delivery of 60Mbps upload speed is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
23	InFRa @ 155Mbps	Internet Flat Rate Service (InFRa) at 155Mbps. Includes dedicated Internet port and transport.	**Y**		501023
	Bidder's Product Description: *OC-3 internet service is delivered over on-net fiber optic facilities with a total bandwidth, including upload speed of 155.000 Mbps and is terminated on a SONET interface.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 electrical Ethernet jack, SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.1.b – Internet Flat Rate Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
24	InFRa @ 622Mbps	Internet Flat Rate Service (InFRa) at 622Mbps. Includes dedicated Internet port and transport.	**Y**		501024
	Bidder's Product Description: *OC-12 internet service is delivered over on-net fiber optic facilities with a total bandwidth, including upload speed of 622.000 Mbps and is terminated on a SONET interface.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 electrical Ethernet jack, SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
25	InFRa @ 2.45Gbps	Internet Flat Rate Service (InFRa) at 2.45Gbps. Includes dedicated Internet port and transport.	**Y**		501025
	Bidder's Product Description: *OC-48 internet service is delivered over on-net fiber optic facilities with a total bandwidth of 2,450.0 Mbps, including upload speed and is terminated on a SONET interface.*				
	Interface/Access Type: *SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection (Synchronous/bidirectional).*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

5.2.4.2 Internet Flat Rate with Managed Router Service (InFRaM)

The Contractor shall provide Internet Flat Rate with Managed Router Service at the speeds identified in Table 5.2.4.2.b. The services shall consist of a dedicated Internet Port and Transport from the Customer site to the nearest contractor POP. The service shall include all equipment, cabling and labor required to provide a UNI at the Customer premise MPOE and a Contractor owned, maintained and managed router.

The service shall include a Contractor owned, maintained and managed router. **Bidder shall provide a description of the type of equipment, maintenance and management services that the Contractor will deploy to satisfy this requirement.**

All Bidder equipment, tasks and services required for provisioning of the services described in Table 5.2.4.2.b will be included in the charges for the features/services listed in those tables unless specifically identified as not part of the mandatory service and proposed in Tables 5.2.4.2.c.

The Contactor's managed router service shall include proactive Customer notification as identified in the Service Level Agreements.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

Description:

Integra will supply a router for each circuit that is ordered with a managed router. The physical CPE provided will have the following characteristics:

Table 5.2.4.2 – Internet Flat Rate with Managed Router Service (InFRaM) Characteristics

Access Type	Bandwidth	Access Interface	Customers Interface (NI)	CPU throughput	RAM
T1	*128 to 1.544mbs*	*1xT1*	*10/100/1000base-T*	*30 Mbs*	*Amount to support all routing tables*
(2) T1 to (8) T1	*3.088 to 12.352mbs*	*2-8xT1*	*10/100/1000base-T*	*30 Mbs*	*Amount to support all routing tables*
DS3	*15 to 45mb*	*DS3*	*10/100/1000base-T*	*90 Mbs*	*Amount to support all routing tables*
Ethernet	*10 to 100mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*101 to 1000mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*1001 to 10,000mb*	*10/100/1000base-T or 10GBASE-xx*	*10/100/1000base-T or 10GBASE-xx*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*155mbs*	*OC-3 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*620mbs*	*OC-12 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*2480mbs*	*OC-48 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*

Each router will have a modem installed and attached to an analog telephone line for an alternate remote access. The routers will be configured by Integra operations staff and will be monitored on a continual basis. Integra will manage, maintain, configure, archive and upgrade a managed router as part of the service. The router remains the property of Integra.

The Bidder shall identify the User-to-Network Interface characteristics in the rows provided in Table 5.2.4.2.b using Table 5.2.4.2.a as a guide.

Table 5.2.4.2.a – InFRaM UNI Guide

	Interface/Access Type	Network-Side Interface	Protocol
1	Asynchronous Transfer Mode Service (ATMS)	1. T1 2. T3 3. OC-3c 4. OC-12c	IPv4/v6 over ATMS
2	Cable High Speed Access	N/A	Point-to-Point Protocol, IPv4/v6
3	Ethernet Interface	1. 1 Mbps up to 1 GbE (Gigabit Ethernet) 2. 10 GbE	IPv4/v6 over Ethernet
4	Frame Relay Service (FRS)	1. Fractional T1 2. T1 3. Fractional T3 4. T3	IPv4/v6 over FRS
5	IP over SONET Service	1. OC-3c 2. OC-12c 3. OC-48c 4. OC-192c	IP/PPP over SONET
6	Private Line Service (PLS)	1. Fractional T1 2. T1 3. Fractional T3 4. T3 5. OC-3c 6. OC-12c 7. OC-48c 8. OC-192c	IPv4/v6 over PLS
7	DSL Service	xDSL access	Point-to-point protocol, IPv4/v6

The Contractor shall offer the InFRaM Services detailed in Table 5.2.4.2.b. **Bidders shall include the Interface/Access Type(s), Network Side Interface(s) (if applicable), and the Protocol(s) applicable to each speed listed in Table 5.2.4.2.b. Bidders must provide at least one (1) solution for each InFRaM speed listed in Table 5.2.4.2.b.**

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InFRaM @ 1.544Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 1.544mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	Y		502001
	Bidder's Product Description: *Delivery of a T1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
2	InFRaM @ 2Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 2Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502002
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
3	InFRaM @ 3Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 3Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502003
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
4	InFRaM @ 4Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 4Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502004
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
5	InFRaM @ 4.5Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 4.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502005
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
6	InFRaM @ 5Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502006
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
7	InFRaM @ 6Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 6Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502007
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
8	InFRaM @ 7Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 7Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502008
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
9	InFRaM @ 7.5Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 7.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502009
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
10	InFRaM @ 8Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 8Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502010
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
11	InFRaM @ 9Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 9Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502011
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional)*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
12	InFRaM @ 10Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 10Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502012
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
13	InFRaM @ 10.5Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 10.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502013
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/Base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
14	InFRaM @ 12Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 12Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502014
	Bidder's Product Description: *Delivery of NxT1 via HDSL2 or special access or its equivalent is provided. T1 access to the dedicated domain (VRF) is very typical for this product. Bonding of T1 access for larger bandwidths up to 12.352 is a standard service for this product. We also provide direct 10/100base-T connections where fiber optic rings are available. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100base-T RJ48 Ethernet jack*				
	Network Side Interface: *T1, HDSL2, Ethernet over Copper or Ethernet over TDM (Synchronous/bidirectional) or direct Ethernet port*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
15	InFRaM @ 15Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 15Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502015
	Bidder's Product Description: *Delivery of 15 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
16	InFRaM @ 20Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 20Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502016
	Bidder's Product Description: *Delivery of 20 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
17	InFRaM @ 25Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 25Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502017
	Bidder's Product Description: *Delivery of 25 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
18	InFRaM @ 30Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 30Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502018
	Bidder's Product Description: *Delivery of 30 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
19	InFRaM @ 35Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 35Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502019
	Bidder's Product Description: *Delivery of 35 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
20	InFRaM @ 40Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 40Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502020
	Bidder's Product Description: *Delivery of 40 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or fractional DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
21	InFRaM @ 45Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 45Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502021
	Bidder's Product Description: *Delivery of 45 Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. In some situations DS-3 (TDM) circuits may be used. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48 or DS-3.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
22	InFRaM @ 60Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 60Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502022
	Bidder's Product Description: *Delivery of 60Mbps is part of the service offering. We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered.* *A customer edge router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 Ethernet jack*				
	Network Side Interface: *Fiber optic fed to access device with10/100/1000base-T electrical RJ-48, Ethernet over Copper with with10/100/1000base-T electrical RJ-48.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
23	InFRaM @ 155Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 155Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502023
	Bidder's Product Description: *OC-3 internet service is delivered over on-net fiber optic facilities with a total bandwidth of 155.000 Mbps and is terminated on a SONET interface.* *A router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 electrical Ethernet jack, SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

Table 5.2.4.2.b – Internet Flat Rate with Managed Router (InFRaM) Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
24	InFRaM @ 622Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 622Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502024
	Bidder's Product Description: *OC-12 internet service is delivered over on-net fiber optic facilities with a total bandwidth of 622.000 Mbps and is terminated on a SONET interface.* *A router with interface sized to the service request will be included.*				
	Interface/Access Type: *10/100/1000Base-T RJ48 electrical Ethernet jack, SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				
25	InFRaM @ 2.45Gbps	Internet Flat Rate Service with Managed Router (InFRaM) at 2.45Gbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	**Y**		502025
	Bidder's Product Description: *OC-48 internet service is delivered over on-net fiber optic facilities with a total bandwidth of 2,450.0 Mbps and is terminated on a SONET interface.* *A router with interface sized to the service request will be included.*				
	Interface/Access Type: *SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Network Side Interface: *SFP based fiber optic connection for either Ethernet or direct SONET connection.*				
	Protocol: *802.3 at layer 2, IP V4 at layer 3; routing protocol is PPP or Static.*				

5.2.5 INTERNET SUSTAINED BANDWIDTH ETHERNET SERVICE (InSBE)

The Contractor shall provide Internet Sustained Bandwidth Ethernet Service (InSBE). The service shall consist of a separately provisioned dedicated Internet port and transport from the Customer site to the nearest Contractor POP.

Service shall allow Customers to order Ethernet access at a specific data rate and to select a minimum monthly bandwidth commitment. Customers then pay an additional fee for sustained usage above the minimum commitment. Service shall allow Customers to "burst" up to the full capacity of the data rate assigned to the transport when needed.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.5.1 Internet Sustained Bandwidth Ethernet Transport Service (InSBET)

The Internet Sustained Bandwidth Ethernet Transport Service (InSBET) transport service shall include all equipment, cabling and labor required to provide a User-to-Network Interface (UNI) at the Customer premise MPOE.

Transport shall be provisioned at the data rates listed in Table 5.2.5.1.b. The assigned data rate shall be the maximum data rate a Customer may burst up to.

This service shall be provisioned in conjunction with Customer and Contractor owned, maintained and managed router options as identified in Section 5.2.5.2 (InSBEP) and Section 5.2.5.3 (InSBEPM).

The service shall provide the User-to-Network Interface characteristics listed in Table 5.2.5.1.a.

Table 5.2.5.1.a – UNI Type

	Interface/Access Type	Network-Side Interface	Protocol
1	Ethernet Interface	1. 1 Mbps up to 1 GbE (Gigabit Ethernet) 2. 10 GbE	IPv4/v6 over Ethernet

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

Bidders shall provide the InSBET services detailed in Table 5.2.5.1.b

Table 5.2.5.1.b – InSBET Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InSBET 100-Base-TX 2 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 2Mbps.	**Y**		503001
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 2 Mbps.*				
2	InSBET 100-Base-TX 4 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 4Mbps	**Y**		503002
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 4 Mbps.*				
3	InSBET 100-Base-TX 5 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 5Mbps	**Y**		503003
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 5 Mbps.*				
4	InSBET 100-Base-TX 8 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 8Mbps	**Y**		503004
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 8 Mbps.*				
5	InSBET 100-Base-TX 10 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 10Mbps	**Y**		503005
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 10 Mbps.*				

Table 5.2.5.1.b – InSBET Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
6	InSBET 100-Base-TX 20 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 20Mbps	**Y**		503006
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 20 Mbps.*				
7	InSBET 100-Base-TX 50 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 50Mbps	**Y**		503007
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 50 Mbps.*				
8	InSBET 100-Base-TX 100 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 100Mbps	**Y**		503008
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a maximum burst rate to 100 Mbps.*				
9	InSBET 1000-Base-TX 150 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 150Mbps	**Y**		503009
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a maximum burst rate to 150 Mbps.*				
10	InSBET 1000-Base-TX 250 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 250Mbps	**Y**		503010
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a maximum burst rate to 250 Mbps.*				

Table 5.2.5.1.b – InSBET Service

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
11	InSBET 1000-Base-TX 500 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 500Mbps	**Y**		503011
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a maximum burst rate to 500 Mbps.*				
12	InSBET 1000-Base-TX 1000 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 1000Mbps	**Y**		503012
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a maximum burst rate to 1000 Mbps.*				
13	InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 10Gbps	**Y**		503013
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet or protected Ethernet fiber optics, where available. The electronics may change based on the specific access method on which the product is offered. The maximum bandwidth is set to 10,000 Mbps and is re-configurable when amended by an order. The minimum monthly commitment is 10,000 Mbps.*				

Bidders may offer additional unsolicited InSBET services in Table 5.2.5.1.c.

5.2.5.2 Internet Sustained Bandwidth Ethernet Port Service (InSBEP)

Contractor shall provide Internet Sustained Bandwidth Ethernet Port Service. Contractor shall provide an Internet port configuration that allows Customers to select a monthly minimum bandwidth commitment. Customers then pay an additional incremental usage charge for sustained usage above the monthly minimum bandwidth commitment. Service shall allow Customers to "burst" up to the full capacity of the InSBET when needed. This service shall be provisioned in conjunction with a Customer owned router.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.5.2.1 *InSBEP Minimum Bandwidth Commitment*

Contractor shall provide InSBEP Minimum Bandwidth Commitment port configuration that allows Customers to select a monthly minimum bandwidth commitment as described in Table 5.2.5.2.a.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.5.2.2 *InSBEP Additional Incremental Usage Charge for Sustained Usage*

Contractor may charge an incremental usage charge for sustained usage above the minimum bandwidth commitment speed identified.

Contractor shall calculate sustained usage as follows:

1. Poll Access Router every five (5) minutes and collect two (2) readings (average Octets in and Octets out over the five (5) minute period);
2. Both averages become data points (a total of 17,280 in a 30 day bill cycle) that are tracked over the Customer's monthly billing cycle;
3. All 17,280 data points are ranked in ascending order;
4. Discard the highest five (5) percentiles (or 864 measurements in a 30 day bill cycle); and
5. The remaining ninety-fifth percentile is the Sustained Usage value for billing purposes.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InSBEP Minimum Bandwidth Commitment Ethernet 2 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504001
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 2 Mbps.*				
2	InSBEP Additional Incremental Usage Charge over 2 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504002
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2 Mbps and calculated per the formula in section 5.2.5.2.2*				
3	InSBEP Minimum Bandwidth Commitment Ethernet 3 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504003
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 3 Mbps.*				
4	InSBEP Additional Incremental Usage Charge over 3 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504004
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3 Mbps and calculated per the formula in section 5.2.5.2.2*				
5	InSBEP Minimum Bandwidth Commitment Ethernet 4 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504005
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 4 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
6	InSBEP Additional Incremental Usage Charge over 4 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504006
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4 Mbps and calculated per the formula in section 5.2.5.2.2*				
7	InSBEP Minimum Bandwidth Commitment Ethernet 5 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504007
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 5 Mbps.*				
8	InSBEP Additional Incremental Usage Charge over 5 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504008
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5Mbps and calculated per the formula in section 5.2.5.2.2*				
9	InSBEP Minimum Bandwidth Commitment Ethernet 6 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504009
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 6 Mbps.*				
10	InSBEP Additional Incremental Usage Charge over 6 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504010
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
11	InSBEP Minimum Bandwidth Commitment Ethernet 7 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504011
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 7 Mbps.*				
12	InSBEP Additional Incremental Usage Charge over 7 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504012
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7 Mbps and calculated per the formula in section 5.2.5.2.2*				
13	InSBEP Minimum Bandwidth Commitment Ethernet 8 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504013
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 8 Mbps.*				
14	InSBEP Additional Incremental Usage Charge over 8 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504014
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8 Mbps and calculated per the formula in section 5.2.5.2.2*				
15	InSBEP Minimum Bandwidth Commitment Ethernet 9 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504015
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 9 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
16	InSBEP Additional Incremental Usage Charge over 9 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504016
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9Mbps and calculated per the formula in section 5.2.5.2.2*				
17	InSBEP Minimum Bandwidth Commitment Ethernet 10 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504017
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 10 Mbps.*				
18	InSBEP Additional Incremental Usage Charge over 10 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504018
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 10 Mbps and calculated per the formula in section 5.2.5.2.2*				
19	InSBEP Minimum Bandwidth Commitment Ethernet 15 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504019
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 15 Mbps.*				
20	InSBEP Additional Incremental Usage Charge over 15 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504020
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 15 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
21	InSBEP Minimum Bandwidth Commitment Ethernet 20 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504021
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 20 Mbps.*				
22	InSBEP Additional Incremental Usage Charge over 20 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504022
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 20 Mbps and calculated per the formula in section 5.2.5.2.2*				
23	InSBEP Minimum Bandwidth Commitment Ethernet 25 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504023
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 25 Mbps.*				
24	InSBEP Additional Incremental Usage Charge over 25 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504024
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 25 Mbps and calculated per the formula in section 5.2.5.2.2*				
25	InSBEP Minimum Bandwidth Commitment Ethernet 30 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504025
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available.The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 30 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
26	InSBEP Additional Incremental Usage Charge over 30 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504026
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 30 Mbps and calculated per the formula in section 5.2.5.2.2*				
27	InSBEP Minimum Bandwidth Commitment Ethernet 35 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504027
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 35 Mbps.*				
28	InSBEP Additional Incremental Usage Charge over 35 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504028
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 35 Mbps and calculated per the formula in section 5.2.5.2.2*				
29	InSBEP Minimum Bandwidth Commitment Ethernet 40 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504029
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 40 Mbps.*				
30	InSBEP Additional Incremental Usage Charge over 40 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504030
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 40 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
31	InSBEP Minimum Bandwidth Commitment Ethernet 45 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504031
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 45 Mbps.*				
32	InSBEP Additional Incremental Usage Charge over 45 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504032
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 45 Mbps and calculated per the formula in section 5.2.5.2.2*				
33	InSBEP Minimum Bandwidth Commitment Ethernet 50 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504033
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 50 Mbps.*				
34	InSBEP Additional Incremental Usage Charge over 50 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504034
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 50 Mbps and calculated per the formula in section 5.2.5.2.2*				
35	InSBEP Minimum Bandwidth Commitment Ethernet 60 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504035
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 60 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
36	InSBEP Additional Incremental Usage Charge over 60 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504036
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 60 Mbps and calculated per the formula in section 5.2.5.2.2*				
37	InSBEP Minimum Bandwidth Commitment Ethernet 70 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504037
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 70 Mbps.*				
38	InSBEP Additional Incremental Usage Charge over 70 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504038
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 70 Mbps and calculated per the formula in section 5.2.5.2.2*				
39	InSBEP Minimum Bandwidth Commitment Ethernet 80 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504039
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 80 Mbps.*				
40	InSBEP Additional Incremental Usage Charge over 80 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504040
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 80 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
41	InSBEP Minimum Bandwidth Commitment Ethernet 90 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504041
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 90 Mbps.*				
42	InSBEP Additional Incremental Usage Charge over 90 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504042
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 90 Mbps and calculated per the formula in section 5.2.5.2.2*				
43	InSBEP Minimum Bandwidth Commitment Ethernet 100 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504043
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 100 Mbps.*				
44	InSBEP Additional Incremental Usage Charge over 100 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504044
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 100 Mbps and calculated per the formula in section 5.2.5.2.2*				
45	InSBEP Minimum Bandwidth Commitment Ethernet 120 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504045
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 120 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
46	InSBEP Additional Incremental Usage Charge over 120 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504046
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 120 Mbps and calculated per the formula in section 5.2.5.2.2*				
47	InSBEP Minimum Bandwidth Commitment Ethernet 144 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504047
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 144 Mbps.*				
48	InSBEP Additional Incremental Usage Charge over 144 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504048
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 144 Mbps and calculated per the formula in section 5.2.5.2.2*				
49	InSBEP Minimum Bandwidth Commitment Ethernet 155 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504049
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 155 Mbps.*				
50	InSBEP Additional Incremental Usage Charge over 155 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504050
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 155 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
51	InSBEP Minimum Bandwidth Commitment Ethernet 200 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504051
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 200 Mbps.*				
52	InSBEP Additional Incremental Usage Charge over 200 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504052
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 200 Mbps and calculated per the formula in section 5.2.5.2.2*				
53	InSBEP Minimum Bandwidth Commitment Ethernet 250 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504053
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 250 Mbps.*				
54	InSBEP Additional Incremental Usage Charge over 250 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504054
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 250 Mbps and calculated per the formula in section 5.2.5.2.2*				
55	InSBEP Minimum Bandwidth Commitment Ethernet 300 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504055
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 300 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
56	InSBEP Additional Incremental Usage Charge over 300 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504056
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 300 Mbps and calculated per the formula in section 5.2.5.2.2*				
57	InSBEP Minimum Bandwidth Commitment Ethernet 350 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504057
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 350 Mbps.*				
58	InSBEP Additional Incremental Usage Charge over 350 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504058
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 350 Mbps and calculated per the formula in section 5.2.5.2.2*				
59	InSBEP Minimum Bandwidth Commitment Ethernet 400 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504059
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 400 Mbps.*				
60	InSBEP Additional Incremental Usage Charge over 400 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504060
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 400 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
61	InSBEP Minimum Bandwidth Commitment Ethernet 450 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504061
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 450 Mbps.*				
62	InSBEP Additional Incremental Usage Charge over 450 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504062
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 450 Mbps and calculated per the formula in section 5.2.5.2.2*				
63	InSBEP Minimum Bandwidth Commitment Ethernet 500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504063
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 500 Mbps.*				
64	InSBEP Additional Incremental Usage Charge over 500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504064
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 500 Mbps and calculated per the formula in section 5.2.5.2.2*				
65	InSBEP Minimum Bandwidth Commitment Ethernet 550 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504065
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 550 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
66	InSBEP Additional Incremental Usage Charge over 550 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504066
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 550 Mbps and calculated per the formula in section 5.2.5.2.2*				
67	InSBEP Minimum Bandwidth Commitment Ethernet 600 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504067
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 600 Mbps.*				
68	InSBEP Additional Incremental Usage Charge over 600 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504068
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 600 Mbps and calculated per the formula in section 5.2.5.2.2*				
69	InSBEP Minimum Bandwidth Commitment Ethernet 622 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504069
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 622 Mbps.*				
70	InSBEP Additional Incremental Usage Charge over 622 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504070
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 622 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
71	InSBEP Minimum Bandwidth Commitment Ethernet 700 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504071
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 700 Mbps.*				
72	InSBEP Additional Incremental Usage Charge over 700 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504072
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 700 Mbps and calculated per the formula in section 5.2.5.2.2*				
73	InSBEP Minimum Bandwidth Commitment Ethernet 800 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504073
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 800 Mbps.*				
74	InSBEP Additional Incremental Usage Charge over 800 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504074
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 800 Mbps and calculated per the formula in section 5.2.5.2.2*				
75	InSBEP Minimum Bandwidth Commitment Ethernet 900 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504075
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1000 Mbps with a minimum rate of 900 Mbps.*				

Table 5.2.5.2.a – InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport – see Table 5.2.5.2.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
76	InSBEP Additional Incremental Usage Charge over 900 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504076
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 900 Mbps and calculated per the formula in section 5.2.5.2.2*				
77	InSBEP Minimum Bandwidth Commitment Ethernet 1000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		504077
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 1,000 Mbps.*				
78	InSBEP Additional Incremental Usage Charge over 1000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		504078
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 1000 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	10G InSBEP Minimum Bandwidth Commitment Ethernet 1500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505001
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 1,500 Mbps.*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
2	10G InSBEP Additional Incremental Usage Charge over 1500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505002
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 1500 Mbps and calculated per the formula in section 5.2.5.2.2*				
3	10G InSBEP Minimum Bandwidth Commitment Ethernet 2000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505003
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 2,000 Mbps.*				
4	10G InSBEP Additional Incremental Usage Charge over 2000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505004
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2000 Mbps and calculated per the formula in section 5.2.5.2.2*				
5	10G InSBEP Minimum Bandwidth Commitment Ethernet 2500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505005
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 2,500 Mbps.*				
6	10G InSBEP Additional Incremental Usage Charge over 2500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505006
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2500 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
7	10G InSBEP Minimum Bandwidth Commitment Ethernet 3000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505007
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 3,000 Mbps.*				
8	10G InSBEP Additional Incremental Usage Charge over 3000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505008
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3000 Mbps and calculated per the formula in section 5.2.5.2.2*				
9	10G InSBEP Minimum Bandwidth Commitment Ethernet 3500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505009
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 3,500 Mbps.*				
10	10G InSBEP Additional Incremental Usage Charge over 3500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505010
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3500 Mbps and calculated per the formula in section 5.2.5.2.2*				
11	10G InSBEP Minimum Bandwidth Commitment Ethernet 4000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505011
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 4,000 Mbps.*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
12	10G InSBEP Additional Incremental Usage Charge over 4000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505012
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4000 Mbps and calculated per the formula in section 5.2.5.2.2*				
13	10G InSBEP Minimum Bandwidth Commitment Ethernet 4500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505013
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 4,500 Mbps.*				
14	10G InSBEP Additional Incremental Usage Charge over 4500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505014
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4500 Mbps and calculated per the formula in section 5.2.5.2.2*				
15	10G InSBEP Minimum Bandwidth Commitment Ethernet 5000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505015
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 5,000 Mbps.*				
16	10G InSBEP Additional Incremental Usage Charge over 5000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505016
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5000 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
17	10G InSBEP Minimum Bandwidth Commitment Ethernet 5500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505017
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 5,500 Mbps.*				
18	10G InSBEP Additional Incremental Usage Charge over 5500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505018
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5500 Mbps and calculated per the formula in section 5.2.5.2.2*				
19	10G InSBEP Minimum Bandwidth Commitment Ethernet 6000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505019
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 6,000 Mbps.*				
20	10G InSBEP Additional Incremental Usage Charge over 6000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505020
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6000 Mbps and calculated per the formula in section 5.2.5.2.2*				
21	10G InSBEP Minimum Bandwidth Commitment Ethernet 6500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505021
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 6,500 Mbps.*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
22	10G InSBEP Additional Incremental Usage Charge over 6500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505022
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6500 Mbps and calculated per the formula in section 5.2.5.2.2*				
23	10G InSBEP Minimum Bandwidth Commitment Ethernet 7000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505023
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 7,000 Mbps.*				
24	10G InSBEP Additional Incremental Usage Charge over 7000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505024
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7000 Mbps and calculated per the formula in section 5.2.5.2.2*				
25	10G InSBEP Minimum Bandwidth Commitment Ethernet 7500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505025
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 7,500 Mbps.*				
26	10G InSBEP Additional Incremental Usage Charge over 7500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505026
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7500 Mbps and calculated per the formula in section 5.2.5.2.2*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
27	10G InSBEP Minimum Bandwidth Commitment Ethernet 8000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505027
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 8,000 Mbps.*				
28	10G InSBEP Additional Incremental Usage Charge over 8000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505028
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8000 Mbps and calculated per the formula in section 5.2.5.2.2*				
29	10G InSBEP Minimum Bandwidth Commitment Ethernet 8500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505029
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 8,500 Mbps.*				
30	10G InSBEP Additional Incremental Usage Charge over 8500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505030
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8500 Mbps and calculated per the formula in section 5.2.5.2.2*				
31	10G InSBEP Minimum Bandwidth Commitment Ethernet 9000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505031
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 9,000 Mbps.*				

Table 5.2.5.2.b – 10G InSBEP Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
32	10G InSBEP Additional Incremental Usage Charge over 9000 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505032
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9000 Mbps and calculated per the formula in section 5.2.5.2.2*				
33	10G InSBEP Minimum Bandwidth Commitment Ethernet 9500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505033
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 9,500 Mbps.*				
34	10G InSBEP Additional Incremental Usage Charge over 9500 Mbps	Charge for bandwidth usage over minimum commitment.	**Y**		505034
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9500 Mbps and calculated per the formula in section 5.2.5.2.2*				
35	10G InSBEP Minimum Bandwidth Commitment Ethernet 10000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	**Y**		505035
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 10,000 Mbps.*				

5.2.5.3 Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM)

Contractor shall provide Internet Sustained Bandwidth Ethernet Port with Managed Router Service. Contractor shall provide a port configuration that allows Customers to select a monthly minimum bandwidth commitment. Customers then pay an additional incremental usage charge for sustained usage above the monthly minimum bandwidth commitment. Service shall allow Customers to "burst" up to the full capacity of the InSBET when needed.

The service shall include a Contractor owned, maintained and managed router. **Bidder shall provide a description of the type of equipment, maintenance and management services that the Contractor will deploy to satisfy this requirement.**

All Bidder equipment, tasks and services required for provisioning of the services described in Tables 5.2.5.3.a and 5.2.5.3.b will be included in the charges for the features/services listed in those tables unless specifically identified as not part of the mandatory service and proposed in Tables 5.2.5.3.c.

The Contactors managed router service shall include proactive Customer notification as identified in the Service Level Agreements.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

Description:

Integra will supply a router for each circuit that is ordered with a managed router. The physical CPE provided will have the following characteristics:

Table 5.2.5.3 - Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM)

Access Type	Bandwidth	Access Interface	Customers Interface (NI)	CPU throughput	RAM
T1	128 to 1.544mbs	1xT1	10/100/1000base-T	30 Mbs	Amount to support all routing tables
(2) T1 to (8) T1	3.088 to 12.352mbs	2-8xT1	10/100/1000base-T	30 Mbs	Amount to support all routing tables
DS3	15 to 45mb	DS3	10/100/1000base-T	90 Mbs	Amount to support all routing tables

Table 5.2.5.3 - Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM)

Access Type	Bandwidth	Access Interface	Customers Interface (NI)	CPU throughput	RAM
Ethernet	*10 to 100mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*101 to 1000mb*	*10/100/1000base-T*	*10/100/1000base-T*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
Ethernet	*1001 to 10,000mb*	*10/100/1000base-T or 10GBASE-xx*	*10/100/1000base-T or 10GBASE-xx*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*155mbs*	*OC-3 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*620mbs*	*OC-12 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*
SONET	*2480mbs*	*OC-48 SONET*	*10/100/1000base-T or 10GBASE-xx (or direct SONET if needed)*	*Configured to handle the maximum assess link.*	*Amount to support all routing tables*

Each router will have a modem installed and attached to an analog telephone line for an alternate remote access. The routers will be configured by Integra operations staff and will be monitored on a continual basis. Integra will manage, maintain, configure, archive and upgrade a managed router as part of the service. The router remains the property of Integra.

5.2.5.3.1 *InSBEPM Minimum Bandwidth Commitment*

Contractor shall provide InSBEPM Minimum Bandwidth Commitment port configuration that allows Customers to select a monthly minimum bandwidth commitment as described in Table 5.2.5.3. This service shall include a Contractor owned, maintained and managed router with service commitments as described in the Bidder's response to Section 5.2.5.3.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.2.5.3.2 *InSBEPM Additional Incremental Usage Charge for Sustained Usage*

Contractor may charge an incremental usage charge for sustained usage above the minimum bandwidth commitment speed identified.

Contractor shall calculate Sustained usage as follows:

6. Poll Access Router every 5 minutes and collect two (2) readings (average Octets in and Octets out over the five (5) minute period);
7. Both averages become data points (a total of 17,280 in a 30 day bill cycle) that are tracked over the Customer's monthly billing cycle;
8. All 17,280 data points are ranked in ascending order;
9. Discard the top 5% (or 864 measurements in a 30 day bill cycle); and
10. The highest remaining data point is the Sustained Usage value for billing purposes.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InSBEPM Minimum Bandwidth Commitment Ethernet 2 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506001
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 2 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
2	InSBEPM Additional Incremental Usage Charge over 2 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506002
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2 Mbps and calculated per the formula in section 5.2.5.3.2*				
3	InSBEPM Minimum Bandwidth Commitment Ethernet 3 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506003
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 3 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
4	InSBEPM Additional Incremental Usage Charge over 3 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506004
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
5	InSBEPM Minimum Bandwidth Commitment Ethernet 4 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506005
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 4 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
6	InSBEPM Additional Incremental Usage Charge over 4 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506006
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4 Mbps and calculated per the formula in section 5.2.5.3.2*				
7	InSBEPM Minimum Bandwidth Commitment Ethernet 5 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506007
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 5 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
8	InSBEPM Additional Incremental Usage Charge over 5 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506008
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
9	InSBEPM Minimum Bandwidth Commitment Ethernet 6 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506009
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 6 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
10	InSBEPM Additional Incremental Usage Charge over 6 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506010
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6 Mbps and calculated per the formula in section 5.2.5.3.2*				
11	InSBEPM Minimum Bandwidth Commitment Ethernet 7 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506011
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 7 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
12	InSBEPM Additional Incremental Usage Charge over 7 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506012
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
13	InSBEPM Minimum Bandwidth Commitment Ethernet 8 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506013
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 8 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
14	InSBEPM Additional Incremental Usage Charge over 8 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506014
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8 Mbps and calculated per the formula in section 5.2.5.3.2*				
15	InSBEPM Minimum Bandwidth Commitment Ethernet 9 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506015
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 9 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
16	InSBEPM Additional Incremental Usage Charge over 9 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506016
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
17	InSBEPM Minimum Bandwidth Commitment Ethernet 10 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	Y		506017
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 10 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
18	InSBEPM Additional Incremental Usage Charge over 10 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	Y		506018
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 10 Mbps and calculated per the formula in section 5.2.5.3.2*				
19	InSBEPM Minimum Bandwidth Commitment Ethernet 15 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	Y		506019
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 15 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
20	InSBEPM Additional Incremental Usage Charge over 15 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	Y		506020
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 15 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
21	InSBEPM Minimum Bandwidth Commitment Ethernet 20 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506021
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 20 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
22	InSBEPM Additional Incremental Usage Charge over 20 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506022
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 20 Mbps and calculated per the formula in section 5.2.5.3.2*				
23	InSBEPM Minimum Bandwidth Commitment Ethernet 25 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506023
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 25 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
24	InSBEPM Additional Incremental Usage Charge over 25 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506024
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 25 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
25	InSBEPM Minimum Bandwidth Commitment Ethernet 30 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506025
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 30 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
26	InSBEPM Additional Incremental Usage Charge over 30 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506026
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 30 Mbps and calculated per the formula in section 5.2.5.3.2*				
27	InSBEPM Minimum Bandwidth Commitment Ethernet 35 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506027
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 35 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
28	InSBEPM Additional Incremental Usage Charge over 35 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506028
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 35 Mbps and calculated per the formula in section 5.2.5.3.2.*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
29	InSBEPM Minimum Bandwidth Commitment Ethernet 40 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506029
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 40 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
30	InSBEPM Additional Incremental Usage Charge over 40 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506030
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 40 Mbps and calculated per the formula in section 5.2.5.3.2*				
31	InSBEPM Minimum Bandwidth Commitment Ethernet 45 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506031
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 45 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
32	InSBEPM Additional Incremental Usage Charge over 45 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506032
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 45 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
33	InSBEPM Minimum Bandwidth Commitment Ethernet 50 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506033
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 50 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
34	InSBEPM Additional Incremental Usage Charge over 50 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506034
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 50 Mbps and calculated per the formula in section 5.2.5.3.2*				
35	InSBEPM Minimum Bandwidth Commitment Ethernet 60 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506035
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 60 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
36	InSBEPM Additional Incremental Usage Charge over 60 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506036
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 60 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
37	InSBEPM Minimum Bandwidth Commitment Ethernet 70 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506037
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 70 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
38	InSBEPM Additional Incremental Usage Charge over 70 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506038
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 70 Mbps and calculated per the formula in section 5.2.5.3.2*				
39	InSBEPM Minimum Bandwidth Commitment Ethernet 80 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506039
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 80 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
40	InSBEPM Additional Incremental Usage Charge over 80 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506040
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 80 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
41	InSBEPM Minimum Bandwidth Commitment Ethernet 90 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506041
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 100 Mbps with a minimum rate of 90 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
42	InSBEPM Additional Incremental Usage Charge over 90 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506042
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 90 Mbps and calculated per the formula in section 5.2.5.3.2*				
43	InSBEPM Minimum Bandwidth Commitment Ethernet 100 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506043
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 100 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
44	InSBEPM Additional Incremental Usage Charge over 100 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506044
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 100 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
45	InSBEPM Minimum Bandwidth Commitment Ethernet 120 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506045
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 120 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
46	InSBEPM Additional Incremental Usage Charge over 120 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506046
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 120 Mbps and calculated per the formula in section 5.2.5.3.2*				
47	InSBEPM Minimum Bandwidth Commitment Ethernet 144 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506047
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 144 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
48	InSBEPM Additional Incremental Usage Charge over 144 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506048
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 144 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
49	InSBEPM Minimum Bandwidth Commitment Ethernet 155 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506049
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 155 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
50	InSBEPM Additional Incremental Usage Charge over 155 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506050
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 155 Mbps and calculated per the formula in section 5.2.5.3.2*				
51	InSBEPM Minimum Bandwidth Commitment Ethernet 200 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506051
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 200 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
52	InSBEPM Additional Incremental Usage Charge over 200 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506052
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 200 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
53	InSBEPM Minimum Bandwidth Commitment Ethernet 250 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506053
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 250 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
54	InSBEPM Additional Incremental Usage Charge over 250 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506054
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 250 Mbps and calculated per the formula in section 5.2.5.3.2*				
55	InSBEPM Minimum Bandwidth Commitment Ethernet 300 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506055
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 300 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
56	InSBEPM Additional Incremental Usage Charge over 300 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506056
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 300 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
57	InSBEPM Minimum Bandwidth Commitment Ethernet 350 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506057
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 350 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
58	InSBEPM Additional Incremental Usage Charge over 350 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506058
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 350 Mbps and calculated per the formula in section 5.2.5.3.2*				
59	InSBEPM Minimum Bandwidth Commitment Ethernet 400 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506059
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 400 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
60	InSBEPM Additional Incremental Usage Charge over 400 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506060
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 400 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
61	InSBEPM Minimum Bandwidth Commitment Ethernet 450 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506061
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 450 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
62	InSBEPM Additional Incremental Usage Charge over 450 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506062
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 450 Mbps and calculated per the formula in section 5.2.5.3.2*				
63	InSBEPM Minimum Bandwidth Commitment Ethernet 500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506063
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
64	InSBEPM Additional Incremental Usage Charge over 500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506064
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 500 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
65	InSBEPM Minimum Bandwidth Commitment Ethernet 550 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506065
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 550 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
66	InSBEPM Additional Incremental Usage Charge over 550 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506066
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 550 Mbps and calculated per the formula in section 5.2.5.3.2*				
67	InSBEPM Minimum Bandwidth Commitment Ethernet 600 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506067
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 600 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
68	InSBEPM Additional Incremental Usage Charge over 600 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506068
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 600 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
69	InSBEPM Minimum Bandwidth Commitment Ethernet 622 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506069
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 622 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
70	InSBEPM Additional Incremental Usage Charge over 622 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506070
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 622 Mbps and calculated per the formula in section 5.2.5.3.2*				
71	InSBEPM Minimum Bandwidth Commitment Ethernet 700 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506071
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 700 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
72	InSBEPM Additional Incremental Usage Charge over 700 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506072
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 700 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
73	InSBEPM Minimum Bandwidth Commitment Ethernet 800 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506073
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 800 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
74	InSBEPM Additional Incremental Usage Charge over 800 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506074
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 800 Mbps and calculated per the formula in section 5.2.5.3.2*				
75	InSBEPM Minimum Bandwidth Commitment Ethernet 900 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506075
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 1,000 Mbps with a minimum rate of 900 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
76	InSBEPM Additional Incremental Usage Charge over 900 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506076
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 900 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.a – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport. See Table 5.2.5.3.b)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
77	InSBEPM Minimum Bandwidth Commitment Ethernet 1000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		506077
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 1,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
78	InSBEPM Additional Incremental Usage Charge over 1000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		506078
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 1000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	InSBEPM Minimum Bandwidth Commitment Ethernet 1500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507001
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 1,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
2	InSBEP Additional Incremental Usage Charge over 1500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507002
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 1500 Mbps and calculated per the formula in section 5.2.5.3.2*				
3	InSBEPM Minimum Bandwidth Commitment Ethernet 2000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507003
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 2,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
4	InSBEP Additional Incremental Usage Charge over 2000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507004
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
5	InSBEPM Minimum Bandwidth Commitment Ethernet 2500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507005
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 2,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
6	InSBEP Additional Incremental Usage Charge over 2500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507006
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 2500 Mbps and calculated per the formula in section 5.2.5.3.2*				
7	InSBEPM Minimum Bandwidth Commitment Ethernet 3000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507007
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 3,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
8	InSBEP Additional Incremental Usage Charge over 3000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507008
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
9	InSBEPM Minimum Bandwidth Commitment Ethernet 3500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507009
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 3,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
10	InSBEP Additional Incremental Usage Charge over 3500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507010
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 3500 Mbps and calculated per the formula in section 5.2.5.3.2*				
11	InSBEPM Minimum Bandwidth Commitment Ethernet 4000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507011
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 4,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
12	InSBEP Additional Incremental Usage Charge over 4000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507012
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
13	InSBEPM Minimum Bandwidth Commitment Ethernet 4500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507013
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 4,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
14	InSBEP Additional Incremental Usage Charge over 4500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507014
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 4500 Mbps and calculated per the formula in section 5.2.5.3.2*				
15	InSBEPM Minimum Bandwidth Commitment Ethernet 5000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507015
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 5,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
16	InSBEP Additional Incremental Usage Charge over 5000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507016
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
17	InSBEPM Minimum Bandwidth Commitment Ethernet 5500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507017
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 5,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
18	InSBEP Additional Incremental Usage Charge over 5500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507018
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 5500 Mbps and calculated per the formula in section 5.2.5.3.2*				
19	InSBEPM Minimum Bandwidth Commitment Ethernet 6000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507019
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 6,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
20	InSBEP Additional Incremental Usage Charge over 6000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507020
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
21	InSBEPM Minimum Bandwidth Commitment Ethernet 6500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507021
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 6,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
22	InSBEP Additional Incremental Usage Charge over 6500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507022
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 6500 Mbps and calculated per the formula in section 5.2.5.3.2*				
23	InSBEPM Minimum Bandwidth Commitment Ethernet 7000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507023
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 7,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
24	InSBEP Additional Incremental Usage Charge over 7000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507024
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
25	InSBEPM Minimum Bandwidth Commitment Ethernet 7500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507025
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 7,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
26	InSBEP Additional Incremental Usage Charge over 7500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507026
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 7500 Mbps and calculated per the formula in section 5.2.5.3.2*				
27	InSBEPM Minimum Bandwidth Commitment Ethernet 8000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507027
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 8,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
28	InSBEP Additional Incremental Usage Charge over 8000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507028
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
29	InSBEPM Minimum Bandwidth Commitment Ethernet 8500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507029
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 8,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
30	InSBEP Additional Incremental Usage Charge over 8500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507030
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 8500 Mbps and calculated per the formula in section 5.2.5.3.2*				
31	InSBEPM Minimum Bandwidth Commitment Ethernet 9000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507031
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 9,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
32	InSBEP Additional Incremental Usage Charge over 9000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507032
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9000 Mbps and calculated per the formula in section 5.2.5.3.2*				

Table 5.2.5.3.b – InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
33	InSBEPM Minimum Bandwidth Commitment Ethernet 9500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507033
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 9,500 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				
34	InSBEP Additional Incremental Usage Charge over 9500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	**Y**		507034
	Bidder's Product Description: *Incremental usage charge per Mbps for sustained usage above the minimum bandwidth commitment of 9500 Mbps and calculated per the formula in section 5.2.5.3.2*				
35	InSBEPM Minimum Bandwidth Commitment Ethernet 10000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	**Y**		507035
	Bidder's Product Description: *We will provide services on Ethernet, dedicated Ethernet, or protected Ethernet fiber optics where available. The electronics may change based on the specific access method on which the product is offered. The maximum UNI bandwidth is set to 10,000 Mbps with a minimum rate of 10,000 Mbps.* *An attached customer edge router with interface sized to the service request will be included.*				

5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS

Bidder shall identify the locations where their InFRa, InFRaM, InSBEP or InSBEPM Internet Services are available in Table 5.2.6.a**.** By indicating "X" in the table below, Contractor commits to provide the services in the cities identified below. Commitment is subject to facility availability either through Contractor owned facilities or third-party agreements. Bidders may reference Table 5.2.6.a or Table 5.2.6.b in their Catalog A, Geographic Availability response. Bidders Catalog A language shall not conflict with the requirements described herein.

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
1	Adelanto				
2	Agoura Hills				
3	Alameda				
4	Albany				
5	Alhambra				
6	Aliso Viejo				
7	Alturas				
8	Amador				
9	American Canyon				
10	Anaheim				
11	Anderson				
12	Angels Camp				
13	Antioch				
14	Apple Valley				
15	Arcadia				
16	Arcata				
17	Arroyo Grande				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
18	Artesia				
19	Arvin				
20	Atascadero				
21	Atherton				
22	Atwater				
23	Auburn				
24	Avalon				
25	Avenal				
26	Azusa				
27	Bakersfield				
28	Baldwin Park				
29	Banning				
30	Barstow				
31	Beaumont				
32	Bell				
33	Bell Gardens				
34	Bellflower				
35	Belmont				
36	Belvedere				
37	Benicia				
38	Berkeley				
39	Beverly Hills				
40	Big Bear Lake				
41	Biggs				
42	Bishop				
43	Blue Lake				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
44	Blythe				
45	Bradbury				
46	Brawley				
47	Brea				
48	Brentwood				
49	Brisbane				
50	Buellton				
51	Buena Park				
52	Burbank				
53	Burlingame				
54	Calabasas				
55	Calexico				
56	California City				
57	Calimesa				
58	Calipatria				
59	Calistoga				
60	Camarillo				
61	Campbell				
62	Canyon Lake				
63	Capitola				
64	Carlsbad				
65	Carmel-By-The-Sea				
66	Carpentaria				
67	Carson				
68	Cathedral City				
69	Ceres				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
70	Cerritos				
71	Chico				
72	Chino				
73	Chino Hills				
74	Chowchilla				
75	Chula Vista				
76	Citrus Heights	X	X	X	X
77	Claremont				
78	Clayton				
79	Clearlake				
80	Cloverdale				
81	Coachella				
82	Coalinga				
83	Colfax				
84	Colma				
85	Colton				
86	Colusa				
87	Commerce				
88	Compton				
89	Concord				
90	Corcoran				
91	Corning				
92	Corona				
93	Coronado				
94	Corte Madera				
95	Costa Mesa				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
96	Cotati	X	X	X	X
97	Covina				
98	Crescent City				
99	Cudahy				
100	Culver City				
101	Cupertino				
102	Cypress				
103	Daly City				
104	Dana Point				
105	Danville				
106	Davis				
107	Del Mar				
108	Del Rey Oaks				
109	Delano				
110	Desert Hot Springs				
111	Diamond Bar				
112	Dinuba				
113	Dixon				
114	Dorris				
115	Dos Palos				
116	Downey				
117	Duarte				
118	Dublin				
119	Dunsmuir				
120	East Palo Alto				
121	El Cajon				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
122	El Centro				
123	El Cerrito				
124	El Monte				
125	El Paso De Robles				
126	El Segundo				
127	Elk Grove	X	X	X	X
128	Emeryville				
129	Encinitas				
130	Escalon				
131	Escondido				
132	Etna				
133	Eureka				
134	Exeter				
135	Fairfax				
136	Fairfield				
137	Farmersville				
138	Ferndale				
139	Fillmore				
140	Firebaugh				
141	Folsom	X	X	X	X
142	Fontana				
143	Fort Bragg				
144	Fort Jones				
145	Fortuna				
146	Foster City				

Table 5.2.6.a Internet Service Geographic Requirements

Service Location		InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
147	Fountain Valley				
148	Fowler				
149	Fremont				
150	Fresno				
151	Fullerton				
152	Galt				
153	Garden Grove				
154	Gardena				
155	Gilroy				
156	Glendale				
157	Glendora				
158	Goleta				
159	Gonzales				
160	Grand Terrace				
161	Grass Valley				
162	Greenfield				
163	Gridley				
164	Grover Beach				
165	Guadalupe				
166	Gustine				
167	Half Moon Bay				
168	Hanford				
169	Hawaiian Gardens				
170	Hawthorne				
171	Hayward				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
172	Healdsburg				
173	Hemet				
174	Hercules				
175	Hermosa Beach				
176	Hesperia				
177	Hidden Hills				
178	Highland				
179	Hillsborough				
180	Hollister				
181	Holtville				
182	Hughson				
183	Humboldt				
184	Huntington Beach				
185	Huntington Park				
186	Huron				
187	Imperial				
188	Imperial Beach				
189	Indian Wells				
190	Indio				
191	Industry				
192	Inglewood				
193	Inyo				
194	Ione				
195	Irvine				
196	Irwindale				

Table 5.2.6.a Internet Service Geographic Requirements

Service Location		InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
197	Isleton				
198	Jackson				
199	Kerman				
200	Kern				
201	King City				
202	Kings				
203	Kingsburg				
204	La Canada Flintridge				
205	La Habra				
206	La Habra Heights				
207	La Mesa				
208	La Mirada				
209	La Palma				
210	La Puente				
211	La Quinta				
212	La Verne				
213	Lafayette				
214	Laguna Beach				
215	Laguna Hills				
216	Laguna Niguel				
217	Laguna Woods				
218	Lake				
219	Lake Elsinore				
220	Lake Forest				
221	Lakeport				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
222	Lakewood				
223	Lancaster				
224	Larkspur				
225	Lassen				
226	Lathrop				
227	Lawndale				
228	Lemon Grove				
229	Lemoore				
230	Lincoln				
231	Lindsay				
232	Live Oak				
233	Livermore				
234	Livingston				
235	Lodi				
236	Loma Linda				
237	Lomita				
238	Lompoc				
239	Long Beach				
240	Loomis				
241	Los Alamitos				
242	Los Altos				
243	Los Altos Hills				
244	Los Angeles				
245	Los Banos				
246	Los Gatos				
247	Loyalton				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
248	Lynwood				
249	Madera				
250	Malibu				
251	Mammoth Lakes				
252	Manhattan Beach				
253	Manteca				
254	Maricopa				
255	Marina				
256	Martinez				
257	Marysville				
258	Maywood				
259	McFarland				
260	Mendota				
261	Menlo Park				
262	Merced				
263	Mill Valley				
264	Millbrae				
265	Milpitas	X	X	X	X
266	Mission Viejo				
267	Modesto				
268	Monrovia				
269	Montague				
270	Montclair				
271	Monte Sereno				
272	Montebello				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
273	Monterey				
274	Monterey Park				
275	Moorpark				
276	Moraga				
277	Moreno Valley				
278	Morgan Hill				
279	Morro Bay				
280	Mount Shasta				
281	Mountain View				
282	Murrieta				
283	Napa				
284	National City				
285	Needles				
286	Nevada City				
287	Newark				
288	Newman				
289	Newport Beach				
290	Norco				
291	Norwalk				
292	Novato				
293	Oakdale				
294	Oakland	X	X	X	X
295	Oakley				
296	Oceanside				
297	Ojai				
298	Ontario				

Table 5.2.6.a Internet Service Geographic Requirements

Service Location		InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
299	Orange				
300	Orange Cove				
301	Orinda				
302	Orland				
303	Oroville				
304	Oxnard				
305	Pacific Grove				
306	Pacifica				
307	Palm Desert				
308	Palm Springs				
309	Palmdale				
310	Palo Alto	X	X	X	X
311	Palos Verdes Estates				
312	Paradise				
313	Paramount				
314	Parlier				
315	Pasadena				
316	Patterson				
317	Perris				
318	Petaluma	X	X	X	X
319	Pico Rivera				
320	Piedmont				
321	Pinole				
322	Pismo Beach				
323	Pittsburg				
324	Placentia				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
325	Placerville				
326	Pleasant Hill				
327	Pleasanton	X	X	X	X
328	Plymouth				
329	Point Arena				
330	Pomona				
331	Port Hueneme				
332	Porterville				
333	Portola				
334	Portola Valley				
335	Poway				
336	Rancho Cordova	X	X	X	X
337	Rancho Cucamonga				
338	Rancho Mirage				
339	Rancho Palos Verdes				
340	Rancho Santa Margarita				
341	Red Bluff				
342	Redding				
343	Redlands				
344	Redondo Beach				
345	Redwood City				
346	Reedley				
347	Rialto				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
348	Richmond				
349	Ridgecrest				
350	Rio Dell				
351	Rio Vista				
352	Ripon				
353	Riverbank				
354	Riverside				
355	Rocklin				
356	Rohnert Park	X	X	X	X
357	Rolling Hills				
358	Rolling Hills Estates				
359	Rosemead				
360	Roseville				
361	Ross				
362	Sacramento	X	X	X	X
363	Salinas				
364	San Anselmo				
365	San Bernardino				
366	San Bruno				
367	San Buenaventura				
368	San Carlos				
369	San Clemente				
370	San Diego				
371	San Dimas				
372	San Fernando				

Table 5.2.6.a Internet Service Geographic Requirements

Service Location		InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
373	San Francisco	X	X	X	X
374	San Gabriel				
375	San Jacinto				
376	San Joaquin				
377	San Jose	X	X	X	X
378	San Juan Bautista				
379	San Juan Capistrano				
380	San Leandro				
381	San Luis Obispo				
382	San Marcos				
383	San Marino				
384	San Mateo				
385	San Pablo				
386	San Rafael	X	X	X	X
387	San Ramon				
388	Sand City				
389	Sanger				
390	Santa Ana				
391	Santa Barbara				
392	Santa Clara	X	X	X	X
393	Santa Clarita				
394	Santa Cruz				
395	Santa Fe Springs				
396	Santa Maria				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
397	Santa Monica				
398	Santa Paula				
399	Santa Rosa	X	X	X	X
400	Santee				
401	Saratoga				
402	Sausalito				
403	Scotts Valley				
404	Seal Beach				
405	Seaside				
406	Sebastopol				
407	Selma				
408	Shafter				
409	Shasta Lake				
410	Sierra Madre				
411	Signal Hill				
412	Simi Valley				
413	Solana Beach				
414	Soledad				
415	Solvang				
416	Sonoma				
417	Sonora				
418	South El Monte				
419	South Gate				
420	South Lake Tahoe				
421	South Pasadena				

Table 5.2.6.a Internet Service Geographic Requirements

Service Location		InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
422	South San Francisco				
423	St Helena				
424	Stanton				
425	Stockton				
426	Suisun City				
427	Sunnyvale	X	X	X	X
428	Susanville				
429	Sutter Creek				
430	Taft				
431	Tehachapi				
432	Tehama				
433	Temecula				
434	Temple City				
435	Thousand Oaks				
436	Tiburon				
437	Torrance				
438	Tracy				
439	Trinidad				
440	Truckee				
441	Tulare				
442	Tulelake				
443	Turlock				
444	Tustin				
445	Twentynine Palms				
446	Ukiah				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
447	Union City				
448	Upland				
449	Vacaville				
450	Vallejo				
451	Vernon				
452	Victorville				
453	Villa Park				
454	Visalia				
455	Vista				
456	Walnut				
457	Walnut Creek				
458	Wasco				
459	Waterford				
460	Watsonville				
461	Weed				
462	West Covina				
463	West Hollywood				
464	West Los Angeles				
465	West Sacramento	X	X	X	X
466	Westlake Village				
467	Westminster				
468	Westmorland				
469	Wheatland				
470	Whittier				

Table 5.2.6.a Internet Service Geographic Requirements

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
471	Williams				
472	Willits				
473	Willows				
474	Windsor				
475	Winters				
476	Woodlake				
477	Woodland				
478	Woodside				
479	Yorba Linda				
480	Yountville				
481	Yreka				
482	Yuba City				
483	Yucaipa				
484	Yucca Valley				

Bidder may identify additional locations in California where their InFRa, InFRaM, InSBEP or InSBEPM **Internet Services are available** either through Contractor owned facilities or third-party agreements **in Table 5.2.6.b. Bidders shall list the product identifier for each location where the Contractor provides InFRa, InFraM, InSBEP or InSBEPM. By listing the service location, the Bidder commits to provide service in that specific location.** Bidders may reference Table 5.2.6.a or Table 5.2.6.b in their Catalog A, Geographic Availability response. **If Bidder is unable to identify all service areas within Tables 5.2.6.a and 5.2.6.b, Bidder shall provide additional information in the form of a coverage map that includes unincorporated areas.**

Table 5.2.6.b Internet Service Additional Geographic Locations

Service Location		InFRa	InFRaM	InSBET/ InSBEP	InSBET/ InSBEPM
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

5.2.7 ADDITIONAL UNSOLICITED INTERNET SERVICES

5.2.7.1 Unsolicited Internet Services Product Descriptions

Bidder shall describe in detail the additional high-speed Internet access service(s) that will be provided under this Contract.

All Bidder equipment, tasks and services required for provisioning of the services shall be identified in Table 5.2.7.a.

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
1	*Cloud Firewall Service Plus: 3 MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507036
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*		

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
2	*Cloud Firewall Service Plus: 4.5 MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507037
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
3	*Cloud Firewall Service Plus: 5 MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507038
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*		

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
4	*Cloud Firewall Service Plus: 6 MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507039
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*		

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
5	*Cloud Firewall Service Plus: 7.5MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507040
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
6	*Cloud Firewall Service Plus: 9MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507041
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
7	*Cloud Firewall Service Plus: 10MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507042
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
8	*Cloud Firewall Service Plus: 10.5MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507043
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
9	*Cloud Firewall Service Plus: 12MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507044
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
10	*Cloud Firewall Service Plus: 15MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507045
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
11	*Cloud Firewall Service Plus: 20MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507046
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
12	*Cloud Firewall Service Plus: 25MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507047
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
13	*Cloud Firewall Service Plus: 30MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507048
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
14	*Cloud Firewall Service Plus: 35MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507049
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
15	*Cloud Firewall Service Plus: 40MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507050
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
16	*Cloud Firewall Service Plus: 45MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507051
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
17	*Cloud Firewall Service Plus: 50MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507052
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
18	*Cloud Firewall Service Plus: 55MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507053
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
19	*Cloud Firewall Service Plus: 60MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507054
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
20	*Cloud Firewall Service Plus: 65MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507055
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
21	*Cloud Firewall Service Plus: 70MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507056
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
22	*Cloud Firewall Service Plus: 75MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507057
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
23	*Cloud Firewall Service Plus: 80MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507058
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
24	*Cloud Firewall Service Plus: 90MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507059
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
25	*Cloud Firewall Service Plus: 100MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507060
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
26	*Cloud Firewall Service Plus: 150MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507061
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
27	*Cloud Firewall Service Plus: 200MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507062
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
28	*Cloud Firewall Service Plus: 250MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507063
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
29	*Cloud Firewall Service Plus: 300MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507064
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
30	*Cloud Firewall Service Plus: 350MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507065
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
31	*Cloud Firewall Service Plus: 400MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507066
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
32	*Cloud Firewall Service Plus: 450MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507067
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
33	*Cloud Firewall Service Plus: 500MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507068
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
34	*Cloud Firewall Service Plus: 550MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507069
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
35	*Cloud Firewall Service Plus: 600MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507070
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
36	*Cloud Firewall Service Plus: 650MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507071
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
37	*Cloud Firewall Service Plus: 700MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507072
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
38	*Cloud Firewall Service Plus: 750MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507073
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
39	*Cloud Firewall Service Plus: 800MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507074
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
40	*Cloud Firewall Service Plus: 850MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507075
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
41	*Cloud Firewall Service Plus: 900MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507076
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
42	*Cloud Firewall Service Plus: 950MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507077
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
43	*Cloud Firewall Service Plus: 1GB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*	507078
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
44	*Cloud Firewall Service Premium: 3MB*	*Application and port based firewall including network Anti-Virus, Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering.*	507079
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
45	*Cloud Firewall Service Premium: 4.5MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507080
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects (business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
46	*Cloud Firewall Service Premium: 5MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507081
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
47	*Cloud Firewall Service Premium: 6MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507082
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
48	*Cloud Firewall Service Premium: 7.5MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507083
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
49	*Cloud Firewall Service Premium: 9MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507084
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
50	*Cloud Firewall Service Premium: 10MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507085
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
51	*Cloud Firewall Service Premium: 10.5MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507086
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
52	*Cloud Firewall Service Premium: 12MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507087
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
53	*Cloud Firewall Service Premium: 15MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507088
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
54	*Cloud Firewall Service Premium: 20MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507089
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
55	*Cloud Firewall Service Premium: 25MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507090
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
56	*Cloud Firewall Service Premium: 30MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507091
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
57	*Cloud Firewall Service Premium: 35MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507092
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
58	*Cloud Firewall Service Premium: 40MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507093
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
59	*Cloud Firewall Service Premium: 45MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507094
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
60	*Cloud Firewall Service Premium: 50MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507095
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
61	*Cloud Firewall Service Premium: 55MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507096
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
62	*Cloud Firewall Service Premium: 60MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507097
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
63	*Cloud Firewall Service Premium: 65MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507098
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
64	*Cloud Firewall Service Premium: 70MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507099
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
65	*Cloud Firewall Service Premium: 75MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507100
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
66	*Cloud Firewall Service Premium: 80MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507101
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
67	*Cloud Firewall Service Premium: 90MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507102
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
68	*Cloud Firewall Service Premium: 100MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507103
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
69	*Cloud Firewall Service Premium: 150MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507104
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
70	*Cloud Firewall Service Premium: 200MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507105
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
71	*Cloud Firewall Service Premium: 250MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507106
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
72	*Cloud Firewall Service Premium: 300MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507107
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
73	*Cloud Firewall Service Premium: 350MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507108
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
74	*Cloud Firewall Service Premium: 400MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507109
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
75	*Cloud Firewall Service Premium: 450MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507110
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
76	*Cloud Firewall Service Premium: 500MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507111
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
77	*Cloud Firewall Service Premium: 550MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507112
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
78	*Cloud Firewall Service Premium: 600MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507113
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
79	*Cloud Firewall Service Premium: 650MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507114
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
80	*Cloud Firewall Service Premium: 700MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507115
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
81	*Cloud Firewall Service Premium: 750MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507116
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
82	*Cloud Firewall Service Premium: 800MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507117
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
83	*Cloud Firewall Service Premium: 850MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507118
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
84	*Cloud Firewall Service Premium: 900MB*	A*pplication and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507119
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
85	*Cloud Firewall Service Premium: 950MB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507120
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

Table 5.2.7.a – Cloud Firewall Service

	Feature Name	Feature Description	Bidder's Product Identifier
86	*Cloud Firewall Service Premium: 1GB*	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*	507121
	Bidder's Product Description: *Integra's Cloud Firewall Service (CFS) protects business applications by guarding the perimeter of the network while providing inbound and outbound Internet access through a secure managed gateway. Our Cloud Firewall Service protects against unauthorized access to your network infrastructure, prohibits access to inappropriate web content, restricts downloads of infected files, and enables secure use of your network.* *This next generation firewall appliance is located logically between your private network and the internet. It is physically located in one of Integra's secure facilities and is fully redundant with multiple firewalls attached to core routers. The Cloud Firewall Service is based upon the industry leading Palo Alto Networks Next Generation Firewall platform. A secure web portal provides customer access to view and change firewall policies and features. Integra's Network Operations Center monitors the firewalls 24x7x365 by a team of security experts.* *Product Benefits:* *Uses next generation firewall technology to identify and control applications and content, increase your organizations productivity through URL filtering and increase network security with Network Anti-Virus and Anti Spyware. Integra's team of security experts keeps the firewall systems, virus and application definitions and other maintenance issues up to date freeing your IT staff to focus on more important projects.* *Premium:* *The premium offering adds Intrusion Detection and Protection (IDS/IPS) which is a requirement for any organization subject to Payment Card Industry (PCI) compliance standards. This includes a rich set of intrusion prevention features blocks known and unknown network and application-layer vulnerability exploits from compromising and damaging enterprise information resources. Vulnerability exploits, buffer overflows, and port scans are detected using proven threat detection and prevention (IPS) mechanisms. The intrusion prevention engine is supported by a team of seasoned signature developers at Palo Alto Networks, who are active in the threat prevention community, performing ongoing research and working closely with software vendors, both informally and formally, through programs such as the Microsoft Active Protections Program (MAPP).* *Cloud Firewall Premium also adds File Filtering which controls the flow of a wide range of file types by looking deep within the payload to identify the file type (as opposed to looking only at the file extension) to determine if the transfer of the file is allowed by policy. File blocking by type can be implemented on a per application basis which can, for example, allow an organization to enable the use of specific webmail applications like Gmail but blocking a file attachment.*	

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Table 5.2.7.b – DDoS Mitigation Feature

Feature Name	Feature Description
DDoS Mitigation 1.544 Mbps through over 10 Gbps	*Distributed Denial of Service Mitigation (Reactive Feature) for dedicated Internet bandwidths from 1.544 Mbps to over 10 Gbps*

Bidder's Feature Description:

The DDoS Mitigation feature is used on your Integra-provided Managed Internet Service (MIS) as a network based feature for 1.544 Mbps through 10 Gbps MIS. The feature will help protect your network from Distributed Denial of Service attacks from the Internet. Once purchased, Integra will monitor your interface(s) and establish a shifting baseline of your normal network traffic. Establishing the complete baseline of your normal traffic requires 30 days, and is constantly updated. This baseline provides a fingerprint of your traffic before an attack occurs. This baseline is used to compare current traffic and will aid in determining the appropriate mitigating response.

DDoS Mitigation from Integra is reactive in nature and is activated upon customer notification to our network operations center. The reactive feature keeps the customer in control of which traffic is allowed, and which is classified as a DDoS attack. The customer alone decides when they believe they are under a cyber-attack.

A mitigation event begins when Integra responds to the trouble ticket opened by the customer. Integra engineers will confirm that an attack is in progress, and Integra will reroute your traffic through our scrubbing center where your traffic will be filtered by sophisticated tools, leaving normal traffic flowing into your network. Once the attack has stopped, a normalization period begins – a period of 24 hours during which your traffic is monitored for normal activity. A mitigation event ends following the 24-hour normalization period if the attack has not re-started and if normal traffic is flowing.

Feature Details:

- *This is an optional feature. Integra will mitigate DDoS attacks only for Internet bandwidth purchased from Integra where a baseline has been established. The MIS and DDoS Mitigation bandwidth amounts must match.*
- *Integra requires 30 days following the DDoS Mitigation feature installation to establish the customer's traffic baseline profile.*
- *Integra requires a customer-provided list of potential IP target objects to establish the normal baseline traffic pattern. Integra will provide a form to complete.*
- *The customer will need to open a trouble ticket with the Integra NOC when they suspect a DDoS attack is in progress.*
- *Integra will respond to the customer trouble ticket within 15 minutes from 8:00 am-5:00 pm Monday through Friday Pacific time (excluding holidays) and within 30 minutes at all other times*
- *Once an attack is identified, customer traffic will be rerouted to the Integra scrubbing center only after customer approval is given.*
- *When the attack subsides and the 24-hour normalization period is complete, customer traffic will be routed back to the normal traffic flow at a time agreed upon by both parties.*
- *DDoS Mitigation process will employ any and all skills and tools available to determine the type of attack and the quickest way to isolate the customer's circuit from unwanted cyber-attacks.*

Pricing: DDoS Mitigation has three distinct pricing elements:

1. *A single monthly recurring charge (MRC) applies to establish the baseline traffic patterns per bandwidth monitored, and for the mitigations per month a customer would like to include (options include: up to 5 mitigations per month, up to 10 mitigations per month, up to 15 mitigations per month, up to 20 mitigations per month, over 20 mitigations per month, unlimited mitigations per month, and 0 mitigations per month, where a customer purchases the "Baseline Only" option, and then pays for each mitigation as needed.)*
2. *Customers may increase the number of mitigations per month at any time. Customers may decrease the number of mitigations per month once per calendar quarter. Increases and decreases will result in a new MRC. No change charge applies to these changes.*
3. *If the number of mitigations exceeds the amount chosen by the customer in a given month, a per-mitigation charge will apply.*

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
1	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline Only	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507200
2	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507201
3	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507202
4	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507203
5	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507204
6	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507205
7	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline Only	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507206
8	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507207
9	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507208

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
10	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507209
11	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507210
12	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507211
13	DDoS Mitigation for MIS Bandwidth: 50 – 100 Mbps Baseline Only	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507212
14	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507213
15	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507214
16	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507215
17	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507216
18	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507217

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
19	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline Only	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507218
20	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507219
21	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507220
22	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507221
23	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507222
24	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507223
25	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline Only	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507224
26	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507225
27	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507226

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
28	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507227
29	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507228
30	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507229
31	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline Only	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507230
32	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507231
33	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507232
34	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507233
35	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507234
36	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507235

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
37	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline Only	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507236
38	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507237
39	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507238
40	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507239
41	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507240
42	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507241
43	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline Only	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507242
44	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507243
45	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507244

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
46	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507245
47	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507246
48	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507247
49	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline Only	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507248
50	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507249
51	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507250
52	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507251
53	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507252
54	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507253

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
55	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline Only	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507254
56	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507255
57	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507256
58	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507257
59	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507258
60	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507259
61	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline Only	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507260
62	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507261
63	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507262

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
64	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507263
65	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507264
66	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507265
67	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline Only	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507266
68	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507267
69	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507268
70	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507269
71	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507270
72	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507271

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
73	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline Only	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507272
74	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507273
75	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507274
76	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507275
77	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507276
78	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507277
79	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline Only	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507278
80	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507279
81	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507280

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
82	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507281
83	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507282
84	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507283
85	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline Only	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507284
86	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507285
87	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507286
88	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507287
89	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507288
90	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507289

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
91	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline Only	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507290
92	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507291
93	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507292
94	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507293
95	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507294
96	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507295
97	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline Only	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507296
98	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507297
99	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507298

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
100	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507299
101	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507300
102	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507301
103	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline Only	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507302
104	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507303
105	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507304
106	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507305
107	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 3 - 3.9 Gbps Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507306
108	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507307

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
109	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline Only	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507308
110	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507309
111	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507310
112	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507311
113	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507312
114	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507313
115	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline Only	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507314
116	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 5 - 5.9 Gbps Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507315
117	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507316

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
118	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507317
119	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507318
120	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507319
121	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline Only	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507320
122	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507321
123	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507322
124	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507323
125	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507324
126	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507325

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
127	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline Only	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507326
128	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507327
129	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507328
130	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507329
131	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507330
132	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507331
133	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline Only	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507332
134	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507333
135	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507334

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
136	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507335
137	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507336
138	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507337
139	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline Only	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507338
140	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507339
141	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507340
142	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507341
143	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507342
144	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507343

Table 5.2.7.b – DDoS Mitigation Feature

	Feature Name	Feature Description	Bidder's Product Identifier
145	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline Only	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	507344
146	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 5 Mitigations per month	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	507345
147	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 10 Mitigations per month	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.	507346
148	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 15 Mitigations per month	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.	507347
149	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 20 Mitigations per month	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.	507348
150	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus unlimited Mitigations per month	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.	507349
151	DDoS Mitigation for MIS Bandwidth: Each mitigation with a baseline only plan	This DDoS Mitigation – Per Event Charge applies when the baseline only plan has been chosen. Each mitigation is charged on a per event basis	507380
152	DDoS Mitigation for MIS Bandwidth: Each incremental mitigation over purchased threshold	This DDoS Mitigation – Per Event Charge applies when the baseline plus a number of included mitigations are exceeded. Each incremental mitigation is charged on a per mitigation event.	507381

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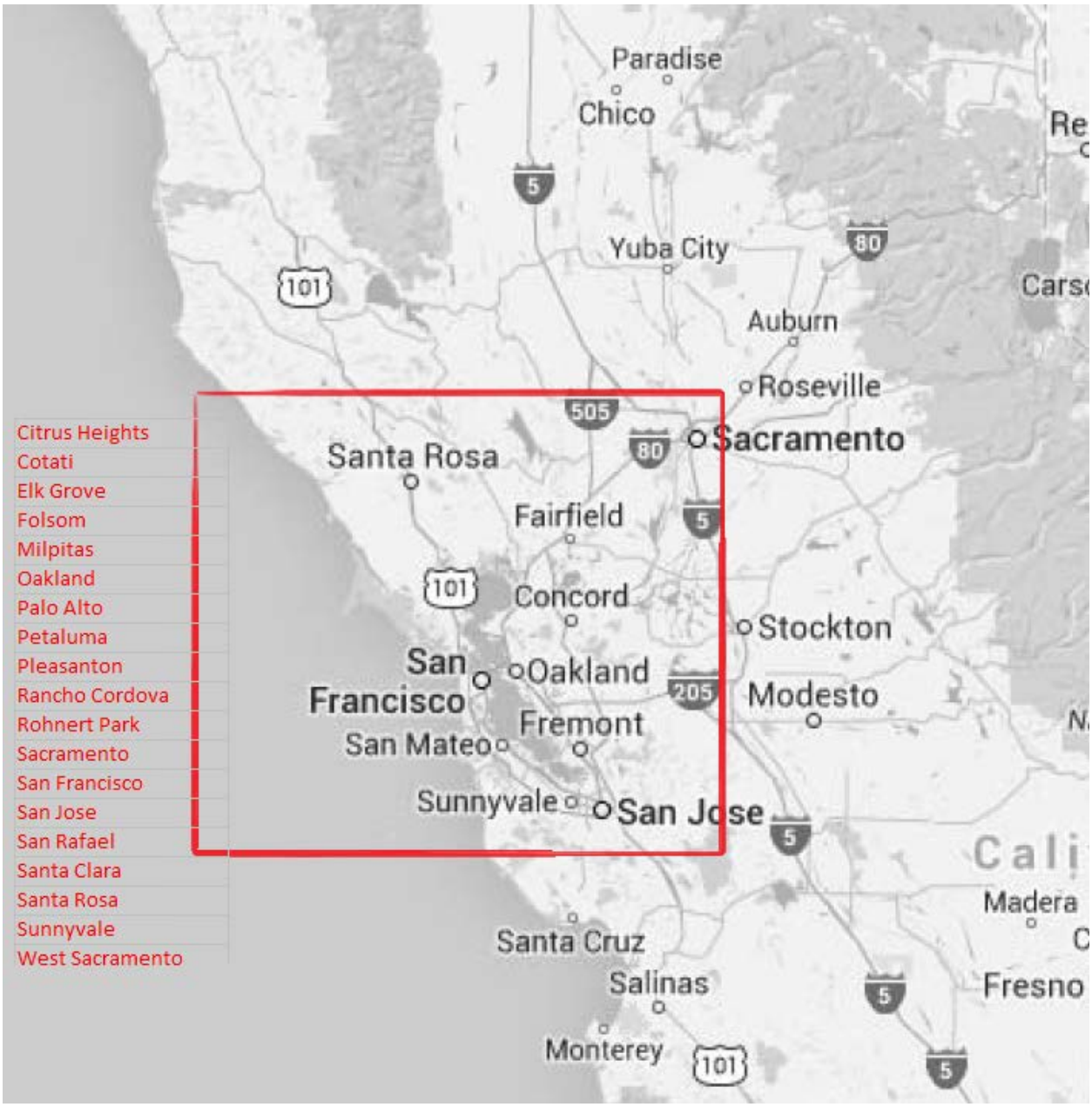
5.2.7.2 Unsolicited Internet Services Geographic Coverage

Bidder shall provide a coverage map for each Unsolicited service offered in Table 5.2.7.a. A single map may be provided for services that fall within the same geographic footprint.

*Bidder understands the requirements in Section 5.2.7.2 and shall meet or exceed them? Yes __**X**__ No_____*

Description:

Integra's unsolicited Internet services described in Table 5.2.7.a has the same geographic coverage area as identified for the solicited services in Table 5.2.6.a.



5.3 NETWORK DISASTER/OPERATIONAL RECOVERY

5.3.1 TELECOMMUNICATIONS SERVICE PRIORITY (TSP) PROGRAM

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 Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.3.2 DATA NETWORK DISASTER/OPERATIONAL RECOVERY

Public safety agencies, major data centers, agencies with supporting roles during disaster or emergency operations, and agencies with significant roles in post-disaster recovery have mission-critical needs to maintain network availability during disasters or emergencies.

It is essential that service be restored as soon as possible, and the services most critical to State operations remain operational during efforts to achieve full service recovery.

Bidder understands the Requirement and shall meet or exceed it? Yes __X__ No_____

5.4 OTHER SERVICES

5.4.1 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.

5.4.2 EXTENDED DEMARCATION WIRING SERVICES

The Contractor shall provide Extended Demarcation (Extended Demarc) wiring to support the services covered by this IFB for all Customer occupied buildings where services under this Contract are being offered. Extended Demarc wiring includes wiring and cable related activities required to extend the service demarcation point to the Customer defined termination location or cross-connect point from the Contractor's Minimum Point of Entry (MPOE).

Extended Demarc wiring shall include all necessary hardware including wire and/or cable, connectors, jumpers, patch panels, minor materials and jacks. Extended Demarc wiring shall also include all necessary labor required to complete the provisioning of service including installation, testing, trouble shooting, labeling and documentation.

Extended Demarc wiring is limited to the following:

1. Installation of cabling for extending services from the MPOE location to the Customer's point of utilization;
2. Installation of cross-connects or rearrangement of existing jumpers;

3. Identification and testing of existing cabling beyond the MPOE to the Customer's equipment location; or,
4. Testing, trouble shooting, labeling and completing documentation.

The Contractor shall provide installations in accordance with the timeframes identified for the services that this cabling will support, and shall be subject to the SLAs detailed in Section 5.5.8.8 (Provisioning SLAs) associated with that service.

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 in less than 20 minutes or if the Contractor would cause damage to the Customer site or existing cabling in clearing the pathway;
2. The wire/cable pathway is in an asbestos environment 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. Written release of the responsibility to provide the Extended Demarc is provided by either the Customer or by CALNET 3 CMO.

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 (1) Demarc extension as described above. Bidder shall provide one (1) price for each media identified.

The Contractor shall install wiring 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 CALNET 3 CMO. Additionally, the Contractor shall install and maintain all wiring in accordance with all applicable EIA/TIA, BICSI, and ITU-T recommended standards current at the time of installation or maintenance.

The Contractor shall provide extended Demarcation Services limited to one (1) occurrence or installation for the specific telecommunications service the cabling is meant to support and must be ordered in conjunction with the service being provisioned. All other cabling will be the responsibility of the Customer and will be acquired through other procurement vehicles.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

The Contractor shall offer the wiring services for extended demarcation detailed in Table 5.4.2.a.

Table 5.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
1	**Extended Demarcation – Copper four-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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	Y		508001
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				
2	**Extended Demarcation – Copper four-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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	Y		508002
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				

Table 5.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
3	**Extended Demarcation – Copper four-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 as described above. Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.	**Y**		508003
	Bidder's Product Description: *The extension of any copper 4 pair category 5 or 5E facility from the Customers MPOE to any point up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, jumpers and connectors including the proper RJ 48 jacks or equivalent. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		508004
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				

Table 5.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		508005
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				
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 as described above. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten (10) Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.	**Y**		508006
	Bidder's Product Description: *The extension of any copper 25 pair category 5 or 5E facility from the Customers MPOE to the point of utilization, up to 300 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. The service will include cable, attachments, Ten (10) 3 meter jumpers and connectors including one (1) patch panel and mounting hardware at the (IDF) and one(1) 24-port patch panel at the MPOE. The installation will be tested, labeled and documented. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				

Table 5.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
7	**Extended Demarcation – Optical Fiber Link – Regular Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	**Y**		508007
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				
8	**Extended Demarcation – Optical Fiber Link – Overtime Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	**Y**		508008
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				

Table 5.4.2.a Extended Demarcation Wiring Services

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
9	**Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours**	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described above with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.	Y		508009
	Bidder's Product Description: *The extension of one (1) each 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling. This facility is from the Customers MPOE to the point of utilization, up to 1000 feet in the customers provided conduit or wiring space as defined in 4.1.4.2. Work shall conform to the State Telecommunications Management Manual Facilities Management Chapter, Uniform Building Cabling/Wiring standards.* *This element is for such services performed anytime on Sunday or State of California holidays.*				

The Contractor may offer additional Unsolicited extended demarcation wiring services in Table 5.4.2.b.

5.4.3 SERVICES RELATED HOURLY SUPPORT

The Contractor shall provide labor for the diagnosis and/or repair of services offered in this Category 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 Contractor's responsibilities. Work performed under this Section 5.4.3 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.

In Cost Worksheet 5.4.3, 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 (10) hours per dispatch/occurrence.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

The Contractor shall offer emergency restoration services as detailed in Table 5.4.3.

Table 5.4.3 Services Related Hourly Support

	Labor Classification Name	Classification Description	Bidder Meets or Exceeds? Y	N	Bidder's Product Identifier
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		509001
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed Monday through Friday from 8:00AM to 4:59PM (PST or PDT), excepting State of California Holidays.*				
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		509002
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed Monday through Friday from 5:00PM to 7:59AM (PST or PDT) and all day Saturday, excepting State of California Holidays.*				
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 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.	**Y**		509003
	Bidder's Product Description: *One hour of service as labor performed by a properly trained field service technician familiar with the suppliers network service components, cabling and systems. This element is for such services performed anytime on Sunday or State of California holidays.*				

5.5 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 3 CMO 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.

5.5.1 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 shall include source of data and define the points of measurement within the system, application, or network;
4. Service(s) - All applicable Categories or Subcategories will be listed in each SLA;
5. Objective(s) – Defines the SLA performance goal/parameters; and,
6. Rights and Remedies
   a. Per Occurrence: Rights and remedies are paid on a per event basis during the bill cycle; and,
   b. 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 an invoice credit or refund when an 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 the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.2 TECHNICAL REQUIREMENTS VERSUS SLA OBJECTIVES

Sections 5.2 (Managed Internet Services), 5.2.7 (Network Disaster/Operational Recovery) and 5.4 (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 (Section 5.5) are minimum parameters which the Contractor shall be held accountable for all rights and remedies throughout Contract Term.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.3 TWO METHODS OF OUTAGE REPORTING: CUSTOMER OR CONTRACTOR

There are two (2) methods in which CALNET 3 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 (IFB STPD 12-001-B Business Requirements Section B.9.4).

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 (IFB STPD 12-001-B Business Requirements Section B.9.4) and monitor and report to Customer until service is restored.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.4 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 (1) specific objective level they are committing to for each service in space provided in the "Objective" section of each SLA description.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.5 CONTRACTOR SLA MANAGEMENT PLAN

Within 90 calendar days of Contract award, the Contractor shall provide CALNET 3 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 (IFB STPD 12-001-B Business Requirements Section B.9.5). The Contractor shall include a sample report in accordance with IFB-B Business Requirements Section B.9.5 (SLA Reports) for the following: SLA Service Performance Report (Section IFB STPD 12-001-B Business Requirements Section B.9.5.1), SLA Provisioning Report (Section IFB STPD 12-001-B Business Requirements Section B.9.5.2), and SLA Catastrophic Outage Reports (Section IFB STPD 12-001-B Business Requirements Section B.9.5.3). The Contractor shall commit to a monthly due date. The reports shall be provided to the CALNET 3 CMO via the Private Oversight Website (IFB STPD 12-001-B Business Requirements Section B.9.2);
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 3 CMO; 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 3 CMO.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.6 TECHNICAL SLA GENERAL REQUIREMENTS

The Contractor shall adhere to the following general requirements which apply to all CALNET 3 Technical SLAs (Section 5.5.8):

1. With the exception of the Provisioning SLA, the total SLA rights and remedies for any given month shall not exceed the sum of 100 percent 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 (1) 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 3 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;
5. TMRC rights and remedies shall include the service, option(s), and feature(s) charges;
6. The Contractor shall proactively and continuously monitor and measure all Technical SLA objectives;
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;
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 3 CMO for possible inclusion via amendments;
9. The Contractor shall apply CALNET 3 SLAs and remedies to services provided in geographic areas which the Bidder has committed to provide service. ;
10. The election by CALNET 3 CMO of any SLA remedy covered by this Contract shall not exclude or limit CALNET 3 CMO's 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 (IFB STPD 12-001-B Business Requirements Section B.3.4.2) and/or the CALNET 3 CMO Escalation Process (IFB STPD 12-001-B Business Requirements Section B.3.4.1) 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 24x365 for CALNET 3 services;
15. SLAs apply 24x365 unless SLA specifies an exception;

16. Contractor invoices shall clearly cross reference the SLA credit to the service Circuit ID in accordance with IFB STPD 12-001-B Business Requirements Section B.5.1 (Billing and Invoicing Requirements, #14);
17. The Contractor shall provide a CALNET 3 SLA Manager responsible for CALNET 3 SLA compliance. The SLA Manager shall attend regular meetings and be available upon request to address CALNET 3 CMO SLA oversight, report issues, and problem resolution concerns. The CALNET 3 SLA Manager shall also coordinate SLA support for Customer SLA inquiries and issue resolution;
18. The Contractor shall provide Customer and CALNET 3 CMO 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 3 Customer.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.7 TROUBLE TICKET STOP CLOCK CONDITIONS

The following conditions shall be allowed to stop the trouble ticket Outage Duration for CALNET 3 Contractor trouble tickets. The Contractor shall document the trouble ticket Outage Duration using the Stop Clock Condition (SCC) listed in Table 5.5.7 and include start and stop time stamps in the Contractor's Trouble Ticket Reporting Tool (IFB STPD 12-001-B Business Requirements Section B.9.4) for each application of a SCC.

Note: The Glossary (SOW Appendix A) defines term "End-User" as the "individual within an Entity that is utilizing the feature or service provided under the Contract."

Stop Clock Conditions are limited to the conditions listed in Table 5.5.7.

Table 5.5.7 –Stop Clock Conditions (SCC)

#	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.

Table 5.5.7 –Stop Clock Conditions (SCC)

#	Stop Clock Condition (SCC)	SCC Definition
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.
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	**FACILITIES**	Lack of building entrance Facilities or conduit structure that are the End-User's responsibility to provide.

Table 5.5.7 –Stop Clock Conditions (SCC)

#	Stop Clock Condition (SCC)	SCC Definition
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: **a.** Access necessary to correct the problem is not available because access has not been arranged by site contact or End-User representative; **b.** Site contact refuses access to technician who displays proper identification; **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, **d.** Site has limited hours of business that directly impacts the Contractor's ability to resolve the problem. 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.
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-out 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.

Table 5.5.7 –Stop Clock Conditions (SCC)

#	Stop Clock Condition (SCC)	SCC Definition
12	**MAINTENANCE**	An outage directly related to any properly performed scheduled maintenance or upgrade scheduled for CALNET 3 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 PMAC General Provisions - Telecommunications, Section 28 (Force Majeure).

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8 TECHNICAL SERVICE LEVEL AGREEMENTS

The Contractor shall provide and manage the following Technical SLAs.

5.5.8.1 Availability (M-S)

5.5.8.1 Availability (M-S)

SLA Name: Availability

Definition: The percentage of time a CALNET 3 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 affected service (Per Circuit 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 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:

Managed Internet Service

Objective(s):

The objective shall be based on the network side interface type:

SLA Objective Table 1 – Required

Network Side Interface	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
T1/FT1	≥ 99.2%	≥ 99.5%	≥ 99.8%	**S**
T3/FT3	≥ 99.7%	≥ 99.8%	≥ 99.9%	**S**
OCX/OCXc	≥ 99.7%	≥ 99.8%	≥ 99.9%	**S**
Ethernet 1 Mbps up to 1 GbE (Gigabit Ethernet)	≥ 99.2%	≥ 99.5%	≥ 99.8%	**S**
Ethernet 10 GbE	≥ 99.2%	≥ 99.5%	≥ 99.8%	**S**

5.5.8.1 Availability (M-S)

Objective(s), continued:

With the exception of XDSL, Bidder shall identify any additional Contractor identified network side interfaces not listed in the Table 1 above for InFRa and InFRaM services. Bidder shall provide an objective commitment percentage for each additional network side interface which must be above 99.2%:

SLA Objective Table 2 – Additional		
	Additional Network Side Interface	**Bidder's Objective Commitment (%)**
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Rights and Remedies

Per Occurrence: N/A

Monthly Aggregated Measurements:

First month the service fails to meet the committed SLA objective shall result in a 15 percent rebate of the TMRC and two (2) Business Days of the ADUC, when usage applies.

The second consecutive month the service fails to meet the committed SLA objective shall result in a 30 percent rebate of TMRC and two (2) Business Days of the ADUC, when usage applies.

Each additional consecutive month the service fails to meet the committed SLA objective shall result in a 50 percent rebate of the TMRC and two (2) Business Days of the ADUC, when usage applies.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.2 Catastrophic Outage 1 (CAT 1) (M-S)

5.5.8.2 Catastrophic Outage 1 (CAT 1) (M-S)

SLA Name: Catastrophic Outage 1 (CAT 1)

Definition: The total loss of service at a single site resulting in the loss of service to five (5) or more circuits or any single service at 500Mbps or greater.

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) affected by a 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) is restored minus SCC. Any service reported by Customer as not having been restored shall have the outage time adjusted to the actual restoration time.

Service(s):

Managed Internet Service	

Objective (s):
The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Managed Internet Service	≤ 3 hours	≤ 2 hours	≤ 1 hour	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC and ten (10) days of ADUC for each End-User service not meeting the committed objective for each CAT 1 fault.
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.3 Catastrophic Outage 2 (CAT 2) (M-S)

5.5.8.3 Catastrophic Outage 2 (CAT 2) (M-S)

SLA Name: Catastrophic Outage 2 (CAT 2)

Definition: A total failure of a service type in a central office (or equivalent facility), other than access, that results in a CALNET 3 service failure. Or, a backbone failure or failure of any part of the equipment associated with the backbone that causes a CALNET 3 service failure.

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 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 a 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) basis from information recorded from the network equipment/system or Customer reported trouble ticket. Each End-User service (Circuit 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.

Service(s):

Managed Internet Service	

Objective (s):
The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Managed Internet Service	≤ 1 hour	≤ 30 minutes	≤ 15 minutes	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC and ten (10) days ADUC for each End-User service not meeting the committed objective for each CAT 2 fault
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.4 Catastrophic Outage 3 (CAT 3) (M-S)

5.5.8.4 Catastrophic Outage 3 (CAT 3) (M-S)

SLA Name: Catastrophic Outage 3 (CAT 3)

Definition: The total loss of Managed Internet Service 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 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 a common cause. Outage Duration shall be measured on a per-End-User service (Circuit ID) basis from information recorded from the network equipment/system or trouble ticket. Each End-User service (Circuit 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.

Service(s):

Managed Internet Service	

Objectives:
The objective restoral time shall be:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B or P)
Managed Internet Service	≤ 30 minutes	N/A	≤ 15 minutes	**B**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC and ten (10) days ADUC for each End-User service not meeting the committed objective for each CAT 3 fault.
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.5 Excessive Outage (M-S)

5.5.8.5 Excessive Outage (M-S)

SLA Name: Excessive Outage

Definition: A service failure 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 unusable during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If Customer reports a service failure as unresolved after the closure of the trouble ticket by the Contractor, the Unavailable Time shall be adjusted to the actual restoration time.

Service(s):

Managed Internet Service	

Objective (s):
The Unavailable Time objective shall not exceed:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Managed Internet Service	16 hours	12 hours	8 hours	**S**

Rights and Remedies	**Per Occurrence:** 100 percent of the TMRC and ten (10) days ADUC for each service (Circuit ID) out of service for a period greater than the committed objective level. Upon request from the Customer or the CALNET 3 CMO, the Contractor shall provide a briefing on the excessive outage restoration.
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.6 Managed Service Proactive Notification (M-S)

5.5.8.6 Managed Service Proactive Notification (M-S)	
SLA Name: Managed Service Proactive Notification	
Definition: The proactive outage notification provides credits if the Contractor fails to open a trouble ticket and notify Customer of an Outage for a managed router service. Notification to the Customer shall occur through means agreed to by Contractor and CALNET 3 CMO. An Outage is defined as an unscheduled period in which the managed router service is 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 (15) minutes (Notification Period) to 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.	
Service(s):	
Managed Internet Services with Managed Router	
Objective (s): 15 Minutes	
Rights and Remedies	**Per Occurrence:** Customer will receive a credit equal to ten percent of the TMRC for Managed Internet Service (Circuit ID) that was impacted during an outage if the Customer was not proactively notified within the notification period
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.7 Notification

5.5.8.7 Notification	
SLA Name: Notification	
Definition: The Contractor notification to CALNET 3 CMO and designated stakeholders in the event of a CAT 2 or CAT 3 failure, Contractor, Subcontractor or Affiliate network event, terrorist activity, threat of natural disaster, or actual natural disaster which results in a significant loss of telecommunication services to CALNET 3 End-Users or has the potential to impact services in a general or statewide area. The State understands initial information regarding the nature of the outage may be limited.	
Measurement Process: The Contractor shall adhere to the Network Outage Response requirements (IFB STPD 12-001-B Business Requirements Section B.3.3) and notify the CALNET 3 CMO 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 natural disaster, the Contractor shall notify CALNET 3 CMO and designated stakeholder when information is available.	
Service(s): All Services	
Objective (s): Within 60 minutes of the above mentioned failures' start time, the Contractor shall notify CALNET 3 CMO and designated stakeholders using a method defined in IFB STPD 12-001-B Business Requirements Section B.3.3 (Network Outage Response). At 60 minute intervals, updates shall be given on the above mentioned failures via the method defined in Section IFB STPD 12-001-B Business Requirements Section B.3.3 (Network Outage Response). This objective is the same for Basic, Standard and Premier commitments.	
Rights and Remedies	**Per Occurrence:** Senior Management Escalation
	Monthly Aggregated Measurements: N/A

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.8 Provisioning (M-S)

5.5.8.8 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 Customer and Contractor documented on the Contractor's order confirmation notification or Contracted Service Project Work SOW in accordance with IFB STPD 12-001 Business Requirements Section B.2.5.4 #7 (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 Schedule per IFB STPD 12-001-B Business Requirements Section B.6 (Contracted Service Project Work).

Provisioning SLAs have two (2) objectives:

Objective 1: Individual Service Request; 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 Request: Install intervals are based on the committed installation intervals established in this SLA or due dates negotiated between Customer and Contractor. This objective requires the Contractor to meet the due date for each individual Service Request.

Objective 2: Successful Install Monthly Percentage per service Type: The Contractor shall sum all individual Service Requests per service, as listed below, meeting the objective in the measurement period (per month) and divide by the sum of all individual Service Requests due per service in the measurement period and multiply by 100 to equal the percentage of Service Requests installed on time. The Contractor must meet or exceed the objective below in order to avoid the rights and remedies.

Service (Features must be installed in conjunction with the service except when listed below)	Committed Interval Calendar Days	Coordinated/Managed Project
InFRA	30	Coordinated/Managed Project
InFRaM	45	Coordinated/Managed Project
InSBET	30	Coordinated/Managed Project
InSBEP	30	Coordinated/Managed Project
InSBEPM	45	Coordinated/Managed Project

5.5.8.8 Provisioning (M-S)

Objective (s):

Objective 1: Individual Service Request: Service installed on or before the Committed Interval or negotiated due date.

Objective 2: Successful Install Monthly Percentage per Service:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (S or P)
InFRA	N/A	≥ 90%	≥ 95%	**S**
InFRaM	N/A	≥ 90%	≥ 95%	**S**
InSBET	N/A	≥ 90%	≥ 95%	**S**
InSBEP	N/A	≥ 90%	≥ 95%	**S**
InSBEPM	N/A	≥ 90%	≥ 95%	**S**

Rights and Remedies	**Per Occurrence:** Objective 1: Individual Service Requests: 50 percent of installation fee credited to Customer for any missed committed objective.
	Monthly Aggregated Measurements: Objective 2: 100 percent of the installation fee credited to Customer for all Service Requests (per service type) that did not complete on time during the month if the Successful Install Monthly Percentage is below the committed objective.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.9 Time to Repair (TTR) (M-S)

5.5.8.9 Time to Repair (TTR) (M-S)					
SLA Name: Time to Repair (TTR)					
Definition: A service outage 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 unusable during the time the trouble ticket is reported as opened until restoration of the service, minus SCC. If Customer reports a service failure as 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.					
Service(s):					
Managed Internet Service					
Objective (s): The Unavailable Time objective shall not exceed:					
	Service	**Basic (B)**	**Standard (S)**	**Premier (P)**	**Bidder's Objective Commitment (B or S)**
	Managed Internet Service	6 hours	4 hours	N/A	**S**
Rights and Remedies	**Per Occurrence:** 25 percent of the TMRC and two (2) days ADUC per occurrence for each service (Circuit ID) out of service for a period greater than the committed objective level.				
	Monthly Aggregated Measurements: N/A				

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.10 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 Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.11 Proposed Unsolicited Offerings

The Contractor shall provide SLAs as defined in SLA Section 5.5 for each unsolicited offering determined by the CALNET 3 CMO 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 Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.12 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 this Section 5.5.8.12.

*Bidder understands the Requirement and shall meet or exceed it? Yes __**X**__ No_____*

5.5.8.12.1 DDoS Time to Initiate Mitigation (M-S)

5.5.8.12.1 – DDoS Time to Initiate Mitigation (M-S)

SLA Name: DDoS Time to Initiate Mitigation

Definition: The time to initiate DDoS mitigation upon the identification of an attack.

Measurement Process:

The amount of time between the detection via Customer or Contractor identification of an anomaly or attack, and the initiation of the mitigation process.

Service(s):

DDoS Detection and Mitigation Feature	

Objective (s):
Mitigation shall begin within:

	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
DDoS Detection and Mitigation Feature 8 am to 5 pm Pacific time weekdays	45 minutes	30 minutes	15 minutes	**P**
DDoS Detection and Mitigation Feature after 5 pm to 8 am Pacific time, after hours, weekends & holidays	45 minutes	30 minutes	15 minutes	**S**

Rights and Remedies

Per Occurrence:

Basic Time to Initiate Mitigation Minutes	Standard Time to Initiate Mitigation Minutes	Premier Time to Initiate Mitigation Minutes	Percentage of TMRC for all components of DDoS feature per event
46 - 75	31 -60	16 - 45	25%
76 - 135	61- 120	46- 105	50%
136 and over	121 and over	106 and over	100%

Monthly Aggregated Measurements: N/A

INTEGRA TELECOM

IFB STPD 12-001-B,
C3-B-12-10-TS-09

Amendment #1

September 8, 2014

CALNET 3, Category 5
Managed Internet Services

Volume 3 - Cost Information

SOW CATALOG A

Table of Contents

SOW CATALOG A

Instructions:

Bidders should refer to IFB STPD 12-001-B Section 4.4.2, SOW *Catalog A – Final List of Awarded Items with Bid Costs*, for instructions regarding completing this Catalog A.

Provide the name of the Bidding organization below:

Name of Bidder: **Integra Telecom Holdings, Inc.**

5.2.4.1 Internet Flat Rate Service (InFRa)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry. We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces. We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud), and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.4.1 Internet Flat Rate Service (InFRa)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1.	InFRa @ 1.544Mbps	501001	Internet Flat Rate Service (InFRa) at 1.544Mbps. Includes dedicated Internet port and transport.		$500.00	$155.61	Each	$500.00
2.	InFRa @ 2Mbps	501002	Internet Flat Rate Service (InFRa) at 2Mbps. Includes dedicated Internet port and transport.		$500.00	$128.51	Each	$500.00
3.	InFRa @ 3Mbps	501003	Internet Flat Rate Service (InFRa) at 3Mbps. Includes dedicated Internet port and transport.		$500.00	$185.14	Each	$500.00
4.	InFRa @ 4Mbps	501004	Internet Flat Rate Service (InFRa) at 4Mbps. Includes dedicated Internet port and transport.		$500.00	$234.15	Each	$500.00
5.	InFRa @ 4.5Mbps	501005	Internet Flat Rate Service (InFRa) at 4.5Mbps. Includes dedicated Internet port and transport.		$500.00	$239.59	Each	$500.00
6.	InFRa @ 5Mbps	501006	Internet Flat Rate Service (InFRa) at 5Mbps. Includes dedicated Internet port and transport.		$500.00	$245.04	Each	$500.00
7.	InFRa @ 6Mbps	501007	Internet Flat Rate Service (InFRa) at 6Mbps. Includes dedicated Internet port and transport.		$500.00	$272.27	Each	$500.00
8.	InFRa @ 7Mbps	501008	Internet Flat Rate Service (InFRa) at 7Mbps. Includes dedicated Internet port and transport.		$500.00	$308.20	Each	$500.00
9.	InFRa @ 7.5Mbps	501009	Internet Flat Rate Service (InFRa) at 7.5Mbps. Includes dedicated Internet port and transport.		$500.00	$322.36	Each	$500.00

5.2.4.1 Internet Flat Rate Service (InFRa)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10.	InFRa @ 8Mbps	501010	Internet Flat Rate Service (InFRa) at 8Mbps. Includes dedicated Internet port and transport.		$500.00	$340.88	Each	$500.00
11.	InFRa @ 9Mbps	501011	Internet Flat Rate Service (InFRa) at 9Mbps. Includes dedicated Internet port and transport.		$500.00	$373.55	Each	$500.00
12.	InFRa @ 10Mbps	501012	Internet Flat Rate Service (InFRa) at 10Mbps. Includes dedicated Internet port and transport.		$500.00	$400.78	Each	$500.00
13.	InFRa @ 10.5Mbps	501013	Internet Flat Rate Service (InFRa) at 10.5Mbps. Includes dedicated Internet port and transport.		$500.00	$417.11	Each	$500.00
14.	InFRa @ 12Mbps	501014	Internet Flat Rate Service (InFRa) at 12Mbps. Includes dedicated Internet port and transport.		$500.00	$477.01	Each	$500.00
15.	InFRa @ 15Mbps	501015	Internet Flat Rate Service (InFRa) at 15Mbps. Includes dedicated Internet port and transport.		$1,000.00	$536.91	Each	$1,000.00
16.	InFRa @ 20Mbps	501016	Internet Flat Rate Service (InFRa) at 20Mbps. Includes dedicated Internet port and transport.		$1,000.00	$673.04	Each	$1,000.00
17.	InFRa @ 25Mbps	501017	Internet Flat Rate Service (InFRa) at 25Mbps. Includes dedicated Internet port and transport.		$1,000.00	$811.35	Each	$1,000.00
18.	InFRa @ 30Mbps	501018	Internet Flat Rate Service (InFRa) at 30Mbps. Includes dedicated Internet port and transport.		$1,000.00	$947.48	Each	$1,000.00

5.2.4.1 Internet Flat Rate Service (InFRa)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19.	InFRa @ 35Mbps	501019	Internet Flat Rate Service (InFRa) at 35Mbps. Includes dedicated Internet port and transport.		$1,000.00	$1,086.88	Each	$1,000.00
20.	InFRa @ 40Mbps	501020	Internet Flat Rate Service (InFRa) at 40Mbps. Includes dedicated Internet port and transport.		$1,000.00	$1,223.02	Each	$1,000.00
21.	InFRa @ 45Mbps	501021	Internet Flat Rate Service (InFRa) at 45Mbps. Includes dedicated Internet port and transport.		$1,000.00	$1,361.33	Each	$1,000.00
22.	InFRa @ 60Mbps	501022	Internet Flat Rate Service (InFRa) at 60Mbps. Includes dedicated Internet port and transport.		$2,000.00	$1,704.38	Each	$2,000.00
23.	InFRa @ 155Mbps	501023	Internet Flat Rate Service (InFRa) at 155Mbps. Includes dedicated Internet port and transport.		$2,000.00	$2,877.06	Each	$2,000.00
24.	InFRa @ 622Mbps	501024	Internet Flat Rate Service (InFRa) at 622Mbps. Includes dedicated Internet port and transport.		$2,000.00	$8,043.09	Each	$2,000.00
25.	InFRa @ 2.45Gbps	501025	Internet Flat Rate Service (InFRa) at 2.45Gbps. Includes dedicated Internet port and transport.		$2,000.00	$12,345.63	Each	$2,000.00

5.2.4.2 Internet Flat Rate with Managed Router Service (InFRaM)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud) and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.4.2 Internet Flat Rate with Managed Router Service (InFRaM)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1.	InFRaM @ 1.544Mbps	502001	Internet Flat Rate Service with Managed Router (InFRaM) at 1.544mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$178.78	Each	$500.00
2.	InFRaM @ 2Mbps	502002	Internet Flat Rate Service with Managed Router (InFRaM) at 2Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$192.76	Each	$500.00
3.	InFRaM @ 3Mbps	502003	Internet Flat Rate Service with Managed Router (InFRaM) at 3Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$249.40	Each	$500.00
4.	InFRaM @ 4Mbps	502004	Internet Flat Rate Service with Managed Router (InFRaM) at 4Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$298.40	Each	$500.00
5.	InFRaM @ 4.5Mbps	502005	Internet Flat Rate Service with Managed Router (InFRaM) at 4.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$303.85	Each	$500.00
6.	InFRaM @ 5Mbps	502006	Internet Flat Rate Service with Managed Router (InFRaM) at 5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$309.29	Each	$500.00
7.	InFRaM @ 6Mbps	502007	Internet Flat Rate Service with Managed Router (InFRaM) at 6Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$336.52	Each	$500.00
8.	InFRaM @ 7Mbps	502008	Internet Flat Rate Service with Managed Router (InFRaM) at 7Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$499.88	Each	$500.00
9.	InFRaM @ 7.5Mbps	502009	Internet Flat Rate Service with Managed Router (InFRaM) at 7.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$514.04	Each	$500.00

5.2.4.2 Internet Flat Rate with Managed Router Service (InFRaM)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10.	InFRaM @ 8Mbps	502010	Internet Flat Rate Service with Managed Router (InFRaM) at 8Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$532.55	Each	$500.00
11.	InFRaM @ 9Mbps	502011	Internet Flat Rate Service with Managed Router (InFRaM) at 9Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$565.22	Each	$500.00
12.	InFRaM @ 10Mbps	502012	Internet Flat Rate Service with Managed Router (InFRaM) at 10Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$592.45	Each	$500.00
13.	InFRaM @ 10.5Mbps	502013	Internet Flat Rate Service with Managed Router (InFRaM) at 10.5Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$608.79	Each	$500.00
14.	InFRaM @ 12Mbps	502014	Internet Flat Rate Service with Managed Router (InFRaM) at 12Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$500.00	$668.68	Each	$500.00
15.	InFRaM @ 15Mbps	502015	Internet Flat Rate Service with Managed Router (InFRaM) at 15Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$728.58	Each	$1,000.00
16.	InFRaM @ 20Mbps	502016	Internet Flat Rate Service with Managed Router (InFRaM) at 20Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$864.72	Each	$1,000.00
17.	InFRaM @ 25Mbps	502017	Internet Flat Rate Service with Managed Router (InFRaM) at 25Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$1,003.03	Each	$1,000.00
18.	InFRaM @ 30Mbps	502018	Internet Flat Rate Service with Managed Router (InFRaM) at 30Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$1,139.16	Each	$1,000.00

5.2.4.2 Internet Flat Rate with Managed Router Service (InFRaM)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19.	InFRaM @ 35Mbps	502019	Internet Flat Rate Service with Managed Router (InFRaM) at 35Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$1,278.56	Each	$1,000.00
20.	InFRaM @ 40Mbps	502020	Internet Flat Rate Service with Managed Router (InFRaM) at 40Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$1,414.69	Each	$1,000.00
21.	InFRaM @ 45Mbps	502021	Internet Flat Rate Service with Managed Router (InFRaM) at 45Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$1,000.00	$1,553.00	Each	$1,000.00
22.	InFRaM @ 60Mbps	502022	Internet Flat Rate Service with Managed Router (InFRaM) at 60Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$2,000.00	$1,961.40	Each	$2,000.00
23.	InFRaM @ 155Mbps	502023	Internet Flat Rate Service with Managed Router (InFRaM) at 155Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$2,000.00	$3,277.06	Each	$2,000.00
24.	InFRaM @ 622Mbps	502024	Internet Flat Rate Service with Managed Router (InFRaM) at 622Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$2,000.00	$8,743.09	Each	$2,000.00
25.	InFRaM @ 2.45Gbps	502025	Internet Flat Rate Service with Managed Router (InFRaM) at 2.45Gbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.		$2,000.00	$14,345.63	Each	$2,000.00

5.2.5.1 Internet Sustained Bandwidth Ethernet Transport Service (InSBET)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

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We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud) and IP V6 support.

Geographic Availability:

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Service Limitations and Restrictions

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Change Charge Applicability:

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

5.2.5.1 Internet Sustained Bandwidth Ethernet Transport Service (InSBET)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	InSBET 100-Base-TX 2 Mbps Ethernet Transport	503001	InSBET Service with maximum burstable data rate of 2Mbps.		$500.00	$190.00	Each	$500.00
2	InSBET 100-Base-TX 4 Mbps Ethernet Transport	503002	InSBET Service with maximum burstable data rate of 4Mbps		$500.00	$190.00	Each	$500.00
3	InSBET 100-Base-TX 5 Mbps Ethernet Transport	503003	InSBET Service with maximum burstable data rate of 5Mbps		$500.00	$190.00	Each	$500.00
4	InSBET 100-Base-TX 8 Mbps Ethernet Transport	503004	InSBET Service with maximum burstable data rate of 8Mbps		$500.00	$190.00	Each	$500.00
5	InSBET 100-Base-TX 10 Mbps Ethernet Transport	503005	InSBET Service with maximum burstable data rate of 10Mbps		$500.00	$190.00	Each	$500.00
6	InSBET 100-Base-TX 20 Mbps Ethernet Transport	503006	InSBET Service with maximum burstable data rate of 20Mbps		$500.00	$190.00	Each	$500.00
7	InSBET 100-Base-TX 50 Mbps Ethernet Transport	503007	InSBET Service with maximum burstable data rate of 50Mbps		$500.00	$190.00	Each	$500.00
8	InSBET 100-Base-TX 100 Mbps Ethernet Transport	503008	InSBET Service with maximum burstable data rate of 100Mbps		$500.00	$325.00	Each	$500.00
9	InSBET 1000-Base-TX 150 Mbps Ethernet Transport	503009	InSBET Service with maximum burstable data rate of 150Mbps		$1,500.00	$325.00	Each	$1,500.00

5.2.5.1 Internet Sustained Bandwidth Ethernet Transport Service (InSBET)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10	InSBET 1000-Base-TX 250 Mbps Ethernet Transport	503010	InSBET Service with maximum burstable data rate of 250Mbps		$1,500.00	$650.00	Each	$1,500.00
11	InSBET 1000-Base-TX 500 Mbps Ethernet Transport	503011	InSBET Service with maximum burstable data rate of 500Mbps		$1,500.00	$650.00	Each	$1,500.00
12	InSBET 1000-Base-TX 1000 Mbps Ethernet Transport	503012	InSBET Service with maximum burstable data rate of 1000Mbps		$1,500.00	$1,250.00	Each	$1,500.00
13	InSBET 10G 1 Gbps Ethernet Transport	503013	InSBET Service with maximum burstable data rate of 10Gbps		$5,000.00	$3,340.00	Each	$5,000.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

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Change Charge Applicability:

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

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	InSBEP Minimum Bandwidth Commitment Ethernet 2 Mbps	504001	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$150.00	Each	$500.00
2	InSBEP Additional Incremental Usage Charge over 2 Mbps	504002	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
3	InSBEP Minimum Bandwidth Commitment Ethernet 3 Mbps	504003	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$175.00	Each	$500.00
4	InSBEP Additional Incremental Usage Charge over 3 Mbps	504004	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
5	InSBEP Minimum Bandwidth Commitment Ethernet 4 Mbps	504005	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$200.00	Each	$500.00
6	InSBEP Additional Incremental Usage Charge over 4 Mbps	504006	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
7	InSBEP Minimum Bandwidth Commitment Ethernet 5 Mbps	504007	Ethernet minimum monthly bandwidth commitment charge.		$500.00	225.00	Each	$500.00
8	InSBEP Additional Incremental Usage Charge over 5 Mbps	504008	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
9	InSBEP Minimum Bandwidth Commitment Ethernet 6 Mbps	504009	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$250.00	Each	$500.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10	InSBEP Additional Incremental Usage Charge over 6 Mbps	504010	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
11	InSBEP Minimum Bandwidth Commitment Ethernet 7 Mbps	504011	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$275.00	Each	$500.00
12	InSBEP Additional Incremental Usage Charge over 7 Mbps	504012	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
13	InSBEP Minimum Bandwidth Commitment Ethernet 8 Mbps	504013	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$300.00	Each	$500.00
14	InSBEP Additional Incremental Usage Charge over 8 Mbps	504014	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
15	InSBEP Minimum Bandwidth Commitment Ethernet 9 Mbps	504015	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$325.00	Each	$500.00
16	InSBEP Additional Incremental Usage Charge over 9 Mbps	504016	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00
17	InSBEP Minimum Bandwidth Commitment Ethernet 10 Mbps	504017	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$350.00	Each	$500.00
18	InSBEP Additional Incremental Usage Charge over 10 Mbps	504018	Charge for bandwidth usage over minimum commitment.		N/A	$50.00	Mbps	$0.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19	InSBEP Minimum Bandwidth Commitment Ethernet 15 Mbps	504019	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$375.00	Each	$500.00
20	InSBEP Additional Incremental Usage Charge over 15 Mbps	504020	Charge for bandwidth usage over minimum commitment.		N/A	$40.00	Mbps	$0.00
21	InSBEP Minimum Bandwidth Commitment Ethernet 20 Mbps	504021	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$400.00	Each	$500.00
22	InSBEP Additional Incremental Usage Charge over 20 Mbps	504022	Charge for bandwidth usage over minimum commitment.		N/A	$40.00	Mbps	$0.00
23	InSBEP Minimum Bandwidth Commitment Ethernet 25 Mbps	504023	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$425.00	Each	$500.00
24	InSBEP Additional Incremental Usage Charge over 25 Mbps	504024	Charge for bandwidth usage over minimum commitment.		N/A	$40.00	Mbps	$0.00
25	InSBEP Minimum Bandwidth Commitment Ethernet 30 Mbps	504025	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$450.00	Each	$500.00
26	InSBEP Additional Incremental Usage Charge over 30 Mbps	504026	Charge for bandwidth usage over minimum commitment.		N/A	$40.00	Mbps	$0.00
27	InSBEP Minimum Bandwidth Commitment Ethernet 35 Mbps	504027	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$475.00	Each	$500.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
28	InSBEP Additional Incremental Usage Charge over 35 Mbps	504028	Charge for bandwidth usage over minimum commitment.		N/A	$35.00	Mbps	$0.00
29	InSBEP Minimum Bandwidth Commitment Ethernet 40 Mbps	504029	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$500.00	Each	$500.00
30	InSBEP Additional Incremental Usage Charge over 40 Mbps	504030	Charge for bandwidth usage over minimum commitment.		N/A	$35.00	Mbps	$0.00
31	InSBEP Minimum Bandwidth Commitment Ethernet 45 Mbps	504031	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$525.00	Each	$500.00
32	InSBEP Additional Incremental Usage Charge over 45 Mbps	504032	Charge for bandwidth usage over minimum commitment.		N/A	$35.00	Mbps	$0.00
33	InSBEP Minimum Bandwidth Commitment Ethernet 50 Mbps	504033	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$550.00	Each	$500.00
34	InSBEP Additional Incremental Usage Charge over 50 Mbps	504034	Charge for bandwidth usage over minimum commitment.		N/A	$35.00	Mbps	$0.00
35	InSBEP Minimum Bandwidth Commitment Ethernet 60 Mbps	504035	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$600.00	Each	$500.00
36	InSBEP Additional Incremental Usage Charge over 60 Mbps	504036	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
37	InSBEP Minimum Bandwidth Commitment Ethernet 70 Mbps	504037	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$700.00	Each	$500.00
38	InSBEP Additional Incremental Usage Charge over 70 Mbps	504038	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00
39	InSBEP Minimum Bandwidth Commitment Ethernet 80 Mbps	504039	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$775.00	Each	$500.00
40	InSBEP Additional Incremental Usage Charge over 80 Mbps	504040	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00
41	InSBEP Minimum Bandwidth Commitment Ethernet 90 Mbps	504041	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$825.00	Each	$500.00
42	InSBEP Additional Incremental Usage Charge over 90 Mbps	504042	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00
43	InSBEP Minimum Bandwidth Commitment Ethernet 100 Mbps	504043	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$850.00	Each	$500.00
44	InSBEP Additional Incremental Usage Charge over 100 Mbps	504044	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00
45	InSBEP Minimum Bandwidth Commitment Ethernet 120 Mbps	504045	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$1,020.00	Each	$500.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
46	InSBEP Additional Incremental Usage Charge over 120 Mbps	504046	Charge for bandwidth usage over minimum commitment.		N/A	$20.00	Mbps	$0.00
47	InSBEP Minimum Bandwidth Commitment Ethernet 144 Mbps	504047	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$1,224.00	Each	$500.00
48	InSBEP Additional Incremental Usage Charge over 144 Mbps	504048	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
49	InSBEP Minimum Bandwidth Commitment Ethernet 155 Mbps	504049	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$1,317.50	Each	$500.00
50	InSBEP Additional Incremental Usage Charge over 155 Mbps	504050	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
51	InSBEP Minimum Bandwidth Commitment Ethernet 200 Mbps	504051	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$1,700.00	Each	$500.00
52	InSBEP Additional Incremental Usage Charge over 200 Mbps	504052	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
53	InSBEP Minimum Bandwidth Commitment Ethernet 250 Mbps	504053	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,000.00	Each	$500.00
54	InSBEP Additional Incremental Usage Charge over 250 Mbps	504054	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
55	InSBEP Minimum Bandwidth Commitment Ethernet 300 Mbps	504055	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,150.00	Each	$500.00
56	InSBEP Additional Incremental Usage Charge over 300 Mbps	504056	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
57	InSBEP Minimum Bandwidth Commitment Ethernet 350 Mbps	504057	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,300.00	Each	$500.00
58	InSBEP Additional Incremental Usage Charge over 350 Mbps	504058	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
59	InSBEP Minimum Bandwidth Commitment Ethernet 400 Mbps	504059	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,450.00	Each	$500.00
60	InSBEP Additional Incremental Usage Charge over 400 Mbps	504060	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
61	InSBEP Minimum Bandwidth Commitment Ethernet 450 Mbps	504061	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,600.00	Each	$500.00
62	InSBEP Additional Incremental Usage Charge over 450 Mbps	504062	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
63	InSBEP Minimum Bandwidth Commitment Ethernet 500 Mbps	504063	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,750.00	Each	$500.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
64	InSBEP Additional Incremental Usage Charge over 500 Mbps	504064	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
65	InSBEP Minimum Bandwidth Commitment Ethernet 550 Mbps	504065	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$2,900.00	Each	$500.00
66	InSBEP Additional Incremental Usage Charge over 550 Mbps	504066	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
67	InSBEP Minimum Bandwidth Commitment Ethernet 600 Mbps	504067	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$3,050.00	Each	$500.00
68	InSBEP Additional Incremental Usage Charge over 600 Mbps	504068	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
69	InSBEP Minimum Bandwidth Commitment Ethernet 622 Mbps	504069	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$3,200.00	Each	$500.00
70	InSBEP Additional Incremental Usage Charge over 622 Mbps	504070	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
71	InSBEP Minimum Bandwidth Commitment Ethernet 700 Mbps	504071	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$3,500.00	Each	$500.00
72	InSBEP Additional Incremental Usage Charge over 700 Mbps	504072	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.2.a Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000-Base-SX\LX 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G-Base-LSR 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
73	InSBEP Minimum Bandwidth Commitment Ethernet 800 Mbps	504073	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$3,650.00	Each	$500.00
74	InSBEP Additional Incremental Usage Charge over 800 Mbps	504074	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
75	InSBEP Minimum Bandwidth Commitment Ethernet 900 Mbps	504075	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$3,800.00	Each	$500.00
76	InSBEP Additional Incremental Usage Charge over 900 Mbps	504076	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00
77	InSBEP Minimum Bandwidth Commitment Ethernet 1000 Mbps	504077	Ethernet minimum monthly bandwidth commitment charge.		$500.00	$4,000.00	Each	$500.00
78	InSBEP Additional Incremental Usage Charge over 1000 Mbps	504078	Charge for bandwidth usage over minimum commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud) and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	10G InSBEP Minimum Bandwidth Commitment Ethernet 1500 Mbps	505001	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$5,400.00	Each	$1,000.00
2	10G InSBEP Additional Incremental Usage Charge over 1500 Mbps	505002	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
3	10G InSBEP Minimum Bandwidth Commitment Ethernet 2000 Mbps	505003	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$6,400.00	Each	$1,000.00
4	10G InSBEP Additional Incremental Usage Charge over 2000 Mbps	505004	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
5	10G InSBEP Minimum Bandwidth Commitment Ethernet 2500 Mbps	505005	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$7,400.00	Each	$1,000.00
6	10G InSBEP Additional Incremental Usage Charge over 2500 Mbps	505006	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
7	10G InSBEP Minimum Bandwidth Commitment Ethernet 3000 Mbps	505007	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$8,400.00	Each	$1,000.00
8	10G InSBEP Additional Incremental Usage Charge over 3000 Mbps	505008	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
9	10G InSBEP Minimum Bandwidth Commitment Ethernet 3500 Mbps	505009	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$9,400.00	Each	$1,000.00
10	10G InSBEP Additional Incremental Usage Charge over 3500 Mbps	505010	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
11	10G InSBEP Minimum Bandwidth Commitment Ethernet 4000 Mbps	505011	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$10,400.00	Each	$1,000.00
12	10G InSBEP Additional Incremental Usage Charge over 4000 Mbps	505012	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
13	10G InSBEP Minimum Bandwidth Commitment Ethernet 4500 Mbps	505013	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$11,400.00	Each	$1,000.00
14	10G InSBEP Additional Incremental Usage Charge over 4500 Mbps	505014	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
15	10G InSBEP Minimum Bandwidth Commitment Ethernet 5000 Mbps	505015	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$12,400.00	Each	$1,000.00
16	10G InSBEP Additional Incremental Usage Charge over 5000 Mbps	505016	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
17	10G InSBEP Minimum Bandwidth Commitment Ethernet 5500 Mbps	505017	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$13,400.00	Each	$1,000.00
18	10G InSBEP Additional Incremental Usage Charge over 5500 Mbps	505018	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
19	10G InSBEP Minimum Bandwidth Commitment Ethernet 6000 Mbps	505019	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$14,400.00	Each	$1,000.00
20	10G InSBEP Additional Incremental Usage Charge over 6000 Mbps	505020	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
21	10G InSBEP Minimum Bandwidth Commitment Ethernet 6500 Mbps	505021	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$15,400.00	Each	$1,000.00
22	10G InSBEP Additional Incremental Usage Charge over 6500 Mbps	505022	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
23	10G InSBEP Minimum Bandwidth Commitment Ethernet 7000 Mbps	505023	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$16,400.00	Each	$1,000.00
24	10G InSBEP Additional Incremental Usage Charge over 7000 Mbps	505024	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
25	10G InSBEP Minimum Bandwidth Commitment Ethernet 7500 Mbps	505025	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$17,400.00	Each	$1,000.00
26	10G InSBEP Additional Incremental Usage Charge over 7500 Mbps	505026	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
27	10G InSBEP Minimum Bandwidth Commitment Ethernet 8000 Mbps	505027	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$18,400.00	Each	$1,000.00
28	10G InSBEP Additional Incremental Usage Charge over 8000 Mbps	505028	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
29	10G InSBEP Minimum Bandwidth Commitment Ethernet 8500 Mbps	505029	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$19,400.00	Each	$1,000.00
30	10G InSBEP Additional Incremental Usage Charge over 8500 Mbps	505030	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
31	10G InSBEP Minimum Bandwidth Commitment Ethernet 9000 Mbps	505031	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$20,400.00	Each	$1,000.00
32	10G InSBEP Additional Incremental Usage Charge over 9000 Mbps	505032	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00

5.2.5.2.b Internet Sustained Bandwidth Ethernet Port Service (InSBEP) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 10G-Base-LSR 10,000 Mbps (to be provisioned with InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
33	10G InSBEP Minimum Bandwidth Commitment Ethernet 9500 Mbps	505033	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$21,400.00	Each	$1,000.00
34	10G InSBEP Additional Incremental Usage Charge over 9500 Mbps	505034	Charge for bandwidth usage over minimum commitment.		$0.00	$5.00	Mbps	$0.00
35	10G InSBEP Minimum Bandwidth Commitment Ethernet 10000 Mbps	505035	Ethernet minimum monthly bandwidth commitment charge.		$1,000.00	$22,400.00	Each	$1,000.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud) and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	InSBEPM Minimum Bandwidth Commitment Ethernet 2 Mbps	506001	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$150.00	Each	$500.00
2	InSBEPM Additional Incremental Usage Charge over 2 Mbps	506002	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
3	InSBEPM Minimum Bandwidth Commitment Ethernet 3 Mbps	506003	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$175.00	Each	$500.00
4	InSBEPM Additional Incremental Usage Charge over 3 Mbps	506004	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
5	InSBEPM Minimum Bandwidth Commitment Ethernet 4 Mbps	506005	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$200.00	Each	$500.00
6	InSBEPM Additional Incremental Usage Charge over 4 Mbps	506006	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
7	InSBEPM Minimum Bandwidth Commitment Ethernet 5 Mbps	506007	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$225.00	Each	$500.00
8	InSBEPM Additional Incremental Usage Charge over 5 Mbps	506008	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
9	InSBEPM Minimum Bandwidth Commitment Ethernet 6 Mbps	506009	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$250.00	Each	$500.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10	InSBEPM Additional Incremental Usage Charge over 6 Mbps	506010	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
11	InSBEPM Minimum Bandwidth Commitment Ethernet 7 Mbps	506011	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$275.00	Each	$500.00
12	InSBEPM Additional Incremental Usage Charge over 7 Mbps	506012	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
13	InSBEPM Minimum Bandwidth Commitment Ethernet 8 Mbps	506013	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$300.00	Each	$500.00
14	InSBEPM Additional Incremental Usage Charge over 8 Mbps	506014	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
15	InSBEPM Minimum Bandwidth Commitment Ethernet 9 Mbps	506015	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$325.00	Each	$500.00
16	InSBEPM Additional Incremental Usage Charge over 9 Mbps	506016	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00
17	InSBEPM Minimum Bandwidth Commitment Ethernet 10 Mbps	506017	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$350.00	Each	$500.00
18	InSBEPM Additional Incremental Usage Charge over 10 Mbps	506018	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$50.00	Mbps	$0.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19	InSBEPM Minimum Bandwidth Commitment Ethernet 15 Mbps	506019	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$375.00	Each	$500.00
20	InSBEPM Additional Incremental Usage Charge over 15 Mbps	506020	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$40.00	Mbps	$0.00
21	InSBEPM Minimum Bandwidth Commitment Ethernet 20 Mbps	506021	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$400.00	Each	$500.00
22	InSBEPM Additional Incremental Usage Charge over 20 Mbps	506022	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$40.00	Mbps	$0.00
23	InSBEPM Minimum Bandwidth Commitment Ethernet 25 Mbps	506023	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$425.00	Each	$500.00
24	InSBEPM Additional Incremental Usage Charge over 25 Mbps	506024	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$40.00	Mbps	$0.00
25	InSBEPM Minimum Bandwidth Commitment Ethernet 30 Mbps	506025	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$450.00	Each	$500.00
26	InSBEPM Additional Incremental Usage Charge over 30 Mbps	506026	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$40.00	Mbps	$0.00
27	InSBEPM Minimum Bandwidth Commitment Ethernet 35 Mbps	506027	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$475.00	Each	$500.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
28	InSBEPM Additional Incremental Usage Charge over 35 Mbps	506028	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$35.00	Mbps	$0.00
29	InSBEPM Minimum Bandwidth Commitment Ethernet 40 Mbps	506029	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$500.00	Each	$500.00
30	InSBEPM Additional Incremental Usage Charge over 40 Mbps	506030	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$35.00	Mbps	$0.00
31	InSBEPM Minimum Bandwidth Commitment Ethernet 45 Mbps	506031	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$525.00	Each	$500.00
32	InSBEPM Additional Incremental Usage Charge over 45 Mbps	506032	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$35.00	Mbps	$0.00
33	InSBEPM Minimum Bandwidth Commitment Ethernet 50 Mbps	506033	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$550.00	Each	$500.00
34	InSBEPM Additional Incremental Usage Charge over 50 Mbps	506034	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$35.00	Mbps	$0.00
35	InSBEPM Minimum Bandwidth Commitment Ethernet 60 Mbps	506035	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$600.00	Each	$500.00
36	InSBEPM Additional Incremental Usage Charge over 60 Mbps	506036	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
37	InSBEPM Minimum Bandwidth Commitment Ethernet 70 Mbps	506037	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$700.00	Each	$500.00
38	InSBEPM Additional Incremental Usage Charge over 70 Mbps	506038	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00
39	InSBEPM Minimum Bandwidth Commitment Ethernet 80 Mbps	506039	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$775.00	Each	$500.00
40	InSBEPM Additional Incremental Usage Charge over 80 Mbps	506040	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00
41	InSBEPM Minimum Bandwidth Commitment Ethernet 90 Mbps	506041	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$825.00	Each	$500.00
42	InSBEPM Additional Incremental Usage Charge over 90 Mbps	506042	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00
43	InSBEPM Minimum Bandwidth Commitment Ethernet 100 Mbps	506043	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$850.00	Each	$500.00
44	InSBEPM Additional Incremental Usage Charge over 100 Mbps	506044	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00
45	InSBEPM Minimum Bandwidth Commitment Ethernet 120 Mbps	506045	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$1,020.00	Each	$500.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
46	InSBEPM Additional Incremental Usage Charge over 120 Mbps	506046	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$20.00	Mbps	$0.00
47	InSBEPM Minimum Bandwidth Commitment Ethernet 144 Mbps	506047	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$1,224.00	Each	$500.00
48	InSBEPM Additional Incremental Usage Charge over 144 Mbps	506048	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
49	InSBEPM Minimum Bandwidth Commitment Ethernet 155 Mbps	506049	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$1,317.50	Each	$500.00
50	InSBEPM Additional Incremental Usage Charge over 155 Mbps	506050	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
51	InSBEPM Minimum Bandwidth Commitment Ethernet 200 Mbps	506051	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$1,700.00	Each	$500.00
52	InSBEPM Additional Incremental Usage Charge over 200 Mbps	506052	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
53	InSBEPM Minimum Bandwidth Commitment Ethernet 250 Mbps	506053	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,000.00	Each	$500.00
54	InSBEPM Additional Incremental Usage Charge over 250 Mbps	506054	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
55	InSBEPM Minimum Bandwidth Commitment Ethernet 300 Mbps	506055	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,150.00	Each	$500.00
56	InSBEPM Additional Incremental Usage Charge over 300 Mbps	506056	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
57	InSBEPM Minimum Bandwidth Commitment Ethernet 350 Mbps	506057	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,300.00	Each	$500.00
58	InSBEPM Additional Incremental Usage Charge over 350 Mbps	506058	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
59	InSBEPM Minimum Bandwidth Commitment Ethernet 400 Mbps	506059	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,450.00	Each	$500.00
60	InSBEPM Additional Incremental Usage Charge over 400 Mbps	506060	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
61	InSBEPM Minimum Bandwidth Commitment Ethernet 450 Mbps	506061	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,600.00	Each	$500.00
62	InSBEPM Additional Incremental Usage Charge over 450 Mbps	506062	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
63	InSBEPM Minimum Bandwidth Commitment Ethernet 500 Mbps	506063	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,750.00	Each	$500.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
64	InSBEPM Additional Incremental Usage Charge over 500 Mbps	506064	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
65	InSBEPM Minimum Bandwidth Commitment Ethernet 550 Mbps	506065	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$2,900.00	Each	$500.00
66	InSBEPM Additional Incremental Usage Charge over 550 Mbps	506066	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
67	InSBEPM Minimum Bandwidth Commitment Ethernet 600 Mbps	506067	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$3,050.00	Each	$500.00
68	InSBEPM Additional Incremental Usage Charge over 600 Mbps	506068	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
69	InSBEPM Minimum Bandwidth Commitment Ethernet 622 Mbps	506069	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$3,200.00	Each	$500.00
70	InSBEPM Additional Incremental Usage Charge over 622 Mbps	506070	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
71	InSBEPM Minimum Bandwidth Commitment Ethernet 700 Mbps	506071	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$3,500.00	Each	$500.00
72	InSBEPM Additional Incremental Usage Charge over 700 Mbps	506072	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.3.a Internet Sustained Bandwidth Ethernet Port with Managed Router Service (InSBEPM) Minimum Bandwidth Commitment and Incremental Usage Charge for InSBET 100-Base-TX 2 Mbps through 1000 Mbps Ethernet Transport (NOT to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
73	InSBEPM Minimum Bandwidth Commitment Ethernet 800 Mbps	506073	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$3,650.00	Each	$500.00
74	InSBEPM Additional Incremental Usage Charge over 800 Mbps	506074	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
75	InSBEPM Minimum Bandwidth Commitment Ethernet 900 Mbps	506075	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$3,800.00	Each	$500.00
76	InSBEPM Additional Incremental Usage Charge over 900 Mbps	506076	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00
77	InSBEPM Minimum Bandwidth Commitment Ethernet 1000 Mbps	506077	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$500.00	$4,000.00	Each	$500.00
78	InSBEPM Additional Incremental Usage Charge over 1000 Mbps	506078	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$10.00	Mbps	$0.00

5.2.5.3.b InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Distributed Denial of Service (DDoS) Mitigation, Firewall (Cloud) and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.5.3.b InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	InSBEPM Minimum Bandwidth Commitment Ethernet 1500 Mbps	507001	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$5,400.00	Each	$1,000.00
2	InSBEP Additional Incremental Usage Charge over 1500 Mbps	507002	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
3	InSBEPM Minimum Bandwidth Commitment Ethernet 2000 Mbps	507003	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$6,400.00	Each	$1,000.00
4	InSBEP Additional Incremental Usage Charge over 2000 Mbps	507004	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
5	InSBEPM Minimum Bandwidth Commitment Ethernet 2500 Mbps	507005	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$7,400.00	Each	$1,000.00
6	InSBEP Additional Incremental Usage Charge over 2500 Mbps	507006	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
7	InSBEPM Minimum Bandwidth Commitment Ethernet 3000 Mbps	507007	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$8,400.00	Each	$1,000.00
8	InSBEP Additional Incremental Usage Charge over 3000 Mbps	507008	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
9	InSBEPM Minimum Bandwidth Commitment Ethernet 3500 Mbps	507009	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$9,400.00	Each	$1,000.00

5.2.5.3.b InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10	InSBEP Additional Incremental Usage Charge over 3500 Mbps	507010	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
11	InSBEPM Minimum Bandwidth Commitment Ethernet 4000 Mbps	507011	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$10,400.00	Each	$1,000.00
12	InSBEP Additional Incremental Usage Charge over 4000 Mbps	507012	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
13	InSBEPM Minimum Bandwidth Commitment Ethernet 4500 Mbps	507013	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$11,400.00	Each	$1,000.00
14	InSBEP Additional Incremental Usage Charge over 4500 Mbps	507014	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
15	InSBEPM Minimum Bandwidth Commitment Ethernet 5000 Mbps	507015	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$12,400.00	Each	$1,000.00
16	InSBEP Additional Incremental Usage Charge over 5000 Mbps	507016	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
17	InSBEPM Minimum Bandwidth Commitment Ethernet 5500 Mbps	507017	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$13,400.00	Each	$1,000.00
18	InSBEP Additional Incremental Usage Charge over 5500 Mbps	507018	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00

5.2.5.3.b InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19	InSBEPM Minimum Bandwidth Commitment Ethernet 6000 Mbps	507019	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$14,400.00	Each	$1,000.00
20	InSBEP Additional Incremental Usage Charge over 6000 Mbps	507020	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
21	InSBEPM Minimum Bandwidth Commitment Ethernet 6500 Mbps	507021	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$15,400.00	Each	$1,000.00
22	InSBEP Additional Incremental Usage Charge over 6500 Mbps	507022	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
23	InSBEPM Minimum Bandwidth Commitment Ethernet 7000 Mbps	507023	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$16,400.00	Each	$1,000.00
24	InSBEP Additional Incremental Usage Charge over 7000 Mbps	507024	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
25	InSBEPM Minimum Bandwidth Commitment Ethernet 7500 Mbps	507025	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$17,400.00	Each	$1,000.00
26	InSBEP Additional Incremental Usage Charge over 7500 Mbps	507026	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
27	InSBEPM Minimum Bandwidth Commitment Ethernet 8000 Mbps	507027	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$18,400.00	Each	$1,000.00

5.2.5.3.b InSBEPM Minimum Bandwidth Commitment and Incremental Usage Charge 10G (to be provisioned with InSBET 10G Ethernet Transport)

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
28	InSBEP Additional Incremental Usage Charge over 8000 Mbps	507028	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
29	InSBEPM Minimum Bandwidth Commitment Ethernet 8500 Mbps	507029	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$19,400.00	Each	$1,000.00
30	InSBEP Additional Incremental Usage Charge over 8500 Mbps	507030	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
31	InSBEPM Minimum Bandwidth Commitment Ethernet 9000 Mbps	507031	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$20,400.00	Each	$1,000.00
32	InSBEP Additional Incremental Usage Charge over 9000 Mbps	507032	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
33	InSBEPM Minimum Bandwidth Commitment Ethernet 9500 Mbps	507033	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$21,400.00	Each	$1,000.00
34	InSBEP Additional Incremental Usage Charge over 9500 Mbps	507034	Charge for bandwidth usage over Minimum Bandwidth Commitment.		N/A	$5.00	Mbps	$0.00
35	InSBEPM Minimum Bandwidth Commitment Ethernet 10000 Mbps	507035	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.		$1,000.00	$22,400.00	Each	$1,000.00

5.2.7.a Cloud Firewall Service

Contractor's Summary description of service:

Integra's internet network is extensive and while nationwide it is focused on commercial and government customers in the Western United States. The entire network functions as a purpose built IP network with all elements interconnected and under one singular support and maintenance organization. This ensures that all elements are designed to provide the best possible performance. There are no third party networks within the core backbone.

The backbone is totally redundant and fully peered as single autonomous system. The backbone capacity to 4 times larger than the traffic load that is placed on it. This provides performance levels that are some of the best in the industry.

We offer internet services via many access types. Typically we provide 10/100/1000-base-T Ethernet RJ-48 jacks for all products up to 1 Gig. We can also provide fiber optic hand-offs for high bandwidth services for 100 meg and over and all 10 gig UNI interfaces.

We also provide other Internet services and features such as: Firewall (Cloud), Distributed Denial of Service (DDoS) Mitigation, and IP V6 support.

Geographic Availability:

Integra's Managed Internet Services are available in the geographic areas described in Section 5.2.6 INTERNET SERVICE GEOGRAPHIC REQUIREMENTS as outlined in the SOW Technical Requirements document for Category 5 - Managed Internet Services, , which consist of the following cities:

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

Service Limitations and Restrictions

Integra's Managed Internet Services require a no-cost customer consultation, including assessing the specific network design requirements (i.e., usage, applications, service locations, site surveys, etc.), prior to finalizing a service order and implementation.

Change Charge Applicability:

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

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	(Unsolicited item) Cloud Firewall Service Plus: 3 MB	507036	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$131.10	Per Circuit	$200.00
2	(Unsolicited item) Cloud Firewall Service Plus: 4.5 MB	507037	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$148.35	Per Circuit	$200.00
3	(Unsolicited item) Cloud Firewall Service Plus: 5 MB	507038	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$148.35	Per Circuit	$200.00
4	(Unsolicited item) Cloud Firewall Service Plus: 6 MB	507039	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$165.60	Per Circuit	$200.00
5	(Unsolicited item) Cloud Firewall Service Plus: 7.5MB	507040	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$194.35	Per Circuit	$200.00
6	(Unsolicited item) Cloud Firewall Service Plus: 9MB	507041	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$211.60	Per Circuit	$200.00
7	(Unsolicited item) Cloud Firewall Service Plus: 10MB	507042	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$217.35	Per Circuit	$200.00
8	(Unsolicited item) Cloud Firewall Service Plus: 10.5MB	507043	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$228.85	Per Circuit	$200.00
9	(Unsolicited item) Cloud Firewall Service Plus: 12MB	507044	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$246.10	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
10	(Unsolicited item) Cloud Firewall Service Plus: 15MB	507045	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$251.85	Per Circuit	$200.00
11	(Unsolicited item) Cloud Firewall Service Plus: 20MB	507046	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$286.35	Per Circuit	$200.00
12	(Unsolicited item) Cloud Firewall Service Plus: 25MB	507047	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$320.85	Per Circuit	$200.00
13	(Unsolicited item) Cloud Firewall Service Plus: 30MB	507048	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$355.35	Per Circuit	$200.00
14	(Unsolicited item) Cloud Firewall Service Plus: 35MB	507049	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$424.35	Per Circuit	$200.00
15	(Unsolicited item) Cloud Firewall Service Plus: 40MB	507050	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$424.35	Per Circuit	$200.00
16	(Unsolicited item) Cloud Firewall Service Plus: 45MB	507051	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$493.35	Per Circuit	$200.00
17	(Unsolicited item) Cloud Firewall Service Plus: 50MB	507052	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$493.35	Per Circuit	$200.00
18	(Unsolicited item) Cloud Firewall Service Plus: 55MB	507053	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$562.35	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19	(Unsolicited item) Cloud Firewall Service Plus: 60MB	507054	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$562.35	Per Circuit	$200.00
20	(Unsolicited item) Cloud Firewall Service Plus: 65MB	507055	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$631.35	Per Circuit	$200.00
21	(Unsolicited item) Cloud Firewall Service Plus: 70MB	507056	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$631.35	Per Circuit	$200.00
22	(Unsolicited item) Cloud Firewall Service Plus: 75MB	507057	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$700.35	Per Circuit	$200.00
23	(Unsolicited item) Cloud Firewall Service Plus: 80MB	507058	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$700.35	Per Circuit	$200.00
24	(Unsolicited item) Cloud Firewall Service Plus: 90MB	507059	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$769.35	Per Circuit	$200.00
25	(Unsolicited item) Cloud Firewall Service Plus: 100MB	507060	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$838.35	Per Circuit	$200.00
26	(Unsolicited item) Cloud Firewall Service Plus: 150MB	507061	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$1,183.35	Per Circuit	$200.00
27	(Unsolicited item) Cloud Firewall Service Plus: 200MB	507062	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$1,528.35	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
28	(Unsolicited item) Cloud Firewall Service Plus: 250MB	507063	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$1,615.00	Per Circuit	$200.00
29	(Unsolicited item) Cloud Firewall Service Plus: 300MB	507064	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$1,785.00	Per Circuit	$200.00
30	(Unsolicited item) Cloud Firewall Service Plus: 350MB	507065	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$1,955.00	Per Circuit	$200.00
31	(Unsolicited item) Cloud Firewall Service Plus: 400MB	507066	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,040.00	Per Circuit	$200.00
32	(Unsolicited item) Cloud Firewall Service Plus: 450MB	507067	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,125.00	Per Circuit	$200.00
33	(Unsolicited item) Cloud Firewall Service Plus: 500MB	507068	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,210.00	Per Circuit	$200.00
34	(Unsolicited item) Cloud Firewall Service Plus: 550MB	507069	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,295.00	Per Circuit	$200.00
35	(Unsolicited item) Cloud Firewall Service Plus: 600MB	507070	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,380.00	Per Circuit	$200.00
36	(Unsolicited item) Cloud Firewall Service Plus: 650MB	507071	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,465.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
37	(Unsolicited item) Cloud Firewall Service Plus: 700MB	507072	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,550.00	Per Circuit	$200.00
38	(Unsolicited item) Cloud Firewall Service Plus: 750MB	507073	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,635.00	Per Circuit	$200.00
39	(Unsolicited item) Cloud Firewall Service Plus: 800MB	507074	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,720.00	Per Circuit	$200.00
40	(Unsolicited item) Cloud Firewall Service Plus: 850MB	507075	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,805.00	Per Circuit	$200.00
41	(Unsolicited item) Cloud Firewall Service Plus: 900MB	507076	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,890.00	Per Circuit	$200.00
42	(Unsolicited item) Cloud Firewall Service Plus: 950MB	507077	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$2,975.00	Per Circuit	$200.00
43	(Unsolicited item) Cloud Firewall Service Plus: 1GB	507078	*Application and port based firewall including network Anti-Virus, Anti-Spyware and URL Filtering.*		$200.00	$3,060.00	Per Circuit	$200.00
44	(Unsolicited item) Cloud Firewall Service Premium: 3MB	507079	*Application and port based firewall including network Anti-Virus, Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering.*		$200.00	$212.50	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
45	(Unsolicited item) Cloud Firewall Service Premium: 4.5MB	507080	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$255.00	Per Circuit	$200.00
46	(Unsolicited item) Cloud Firewall Service Premium: 5MB	507081	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$259.25	Per Circuit	$200.00
47	(Unsolicited item) Cloud Firewall Service Premium: 6MB	507082	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$259.25	Per Circuit	$200.00
48	(Unsolicited item) Cloud Firewall Service Premium: 7.5MB	507083	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$276.25	Per Circuit	$200.00
49	(Unsolicited item) Cloud Firewall Service Premium: 9MB	507084	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$310.25	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
50	(Unsolicited item) Cloud Firewall Service Premium: 10MB	507085	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$323.00	Per Circuit	$200.00
51	(Unsolicited item) Cloud Firewall Service Premium: 10.5MB	507086	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$331.50	Per Circuit	$200.00
52	(Unsolicited item) Cloud Firewall Service Premium: 12MB	507087	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$340.00	Per Circuit	$200.00
53	(Unsolicited item) Cloud Firewall Service Premium: 15MB	507088	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$348.50	Per Circuit	$200.00
54	(Unsolicited item) Cloud Firewall Service Premium: 20MB	507089	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$352.75	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
55	(Unsolicited item) Cloud Firewall Service Premium: 25MB	507090	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$382.50	Per Circuit	$200.00
56	(Unsolicited item) Cloud Firewall Service Premium: 30MB	507091	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$403.75	Per Circuit	$200.00
57	(Unsolicited item) Cloud Firewall Service Premium: 35MB	507092	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$437.75	Per Circuit	$200.00
58	(Unsolicited item) Cloud Firewall Service Premium: 40MB	507093	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$493.00	Per Circuit	$200.00
59	(Unsolicited item) Cloud Firewall Service Premium: 45MB	507094	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$552.50	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
60	(Unsolicited item) Cloud Firewall Service Premium: 50MB	507095	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$552.50	Per Circuit	$200.00
61	(Unsolicited item) Cloud Firewall Service Premium: 55MB	507096	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$612.00	Per Circuit	$200.00
62	(Unsolicited item) Cloud Firewall Service Premium: 60MB	507097	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$612.00	Per Circuit	$200.00
63	(Unsolicited item) Cloud Firewall Service Premium: 65MB	507098	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$663.00	Per Circuit	$200.00
64	(Unsolicited item) Cloud Firewall Service Premium: 70MB	507099	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$663.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
65	(Unsolicited item) Cloud Firewall Service Premium: 75MB	507100	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$722.50	Per Circuit	$200.00
66	(Unsolicited item) Cloud Firewall Service Premium: 80MB	507101	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$722.50	Per Circuit	$200.00
67	(Unsolicited item) Cloud Firewall Service Premium: 90MB	507102	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$786.25	Per Circuit	$200.00
68	(Unsolicited item) Cloud Firewall Service Premium: 100MB	507103	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$845.75	Per Circuit	$200.00
69	(Unsolicited item) Cloud Firewall Service Premium: 150MB	507104	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$1,275.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
70	(Unsolicited item) Cloud Firewall Service Premium: 200MB	507105	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$1,572.50	Per Circuit	$200.00
71	(Unsolicited item) Cloud Firewall Service Premium: 250MB	507106	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$1,785.00	Per Circuit	$200.00
72	(Unsolicited item) Cloud Firewall Service Premium: 300MB	507107	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$1,955.00	Per Circuit	$200.00
73	(Unsolicited item) Cloud Firewall Service Premium: 350MB	507108	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,125.00	Per Circuit	$200.00
74	(Unsolicited item) Cloud Firewall Service Premium: 400MB	507109	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,380.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
75	(Unsolicited item) Cloud Firewall Service Premium: 450MB	507110	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,465.00	Per Circuit	$200.00
76	(Unsolicited item) Cloud Firewall Service Premium: 500MB	507111	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,550.00	Per Circuit	$200.00
77	(Unsolicited item) Cloud Firewall Service Premium: 550MB	507112	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,635.00	Per Circuit	$200.00
78	(Unsolicited item) Cloud Firewall Service Premium: 600MB	507113	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,720.00	Per Circuit	$200.00
79	(Unsolicited item) Cloud Firewall Service Premium: 650MB	507114	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,805.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
80	(Unsolicited item) Cloud Firewall Service Premium: 700MB	507115	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,890.00	Per Circuit	$200.00
81	(Unsolicited item) Cloud Firewall Service Premium: 750MB	507116	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$2,975.00	Per Circuit	$200.00
82	(Unsolicited item) Cloud Firewall Service Premium: 800MB	507117	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$3,060.00	Per Circuit	$200.00
83	(Unsolicited item) Cloud Firewall Service Premium: 850MB	507118	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$3,145.00	Per Circuit	$200.00
84	(Unsolicited item) Cloud Firewall Service Premium: 900MB	507119	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$3,230.00	Per Circuit	$200.00

5.2.7.a Cloud Firewall Service

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
85	(Unsolicited item) Cloud Firewall Service Premium: 950MB	507120	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$3,315.00	Per Circuit	$200.00
86	(Unsolicited item) Cloud Firewall Service Premium: 1GB	507121	*Application and port based firewall including network Anti-Virus , Anti-Spyware, URL Filtering, with Intrusion Detection System (IDS), Intrusion Protection System (IPS) and File Filtering*		$200.00	$3,400.00	Per Circuit	$200.00

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5.2.7.b DDoS Mitigation

Bidder's Product Description:

The DDoS Mitigation feature is used on your Integra-provided Managed Internet Service (MIS) as a network based feature for 1.544 Mbps through 10 Gbps MIS. The feature will help protect your network from Distributed Denial of Service attacks from the Internet. Once purchased, Integra will monitor your interface(s) and establish a shifting baseline of your normal network traffic. Establishing the complete baseline of your normal traffic requires 30 days, and is constantly updated. This baseline provides a fingerprint of your traffic before an attack occurs. This baseline is used to compare current traffic and aids in determining the appropriate mitigating response.

DDoS Mitigation from Integra is reactive in nature and is activated upon customer notification to our network operations center. The reactive feature keeps the customer in control of which traffic is allowed, and which is classified as a DDoS attack. The customer alone decides when they believe they are under a cyber-attack.

A mitigation event begins when Integra responds to the trouble ticket opened by the customer. Integra engineers will confirm that an attack is in progress, and Integra will reroute your traffic through our scrubbing center where your traffic will be filtered by sophisticated tools, leaving normal traffic flowing into your network. Once the attack has stopped, a normalization period begins – a period of 24 hours during which your traffic is monitored for normal activity. A mitigation event ends following the 24-hour normalization period if the attack has not re-started and if normal traffic is flowing.

Feature Details:

- *This is an optional feature. Integra will mitigate DDoS attacks only for Internet bandwidth purchased from Integra where a baseline has been established. The MIS and DDoS Mitigation bandwidth amounts must match.*
- *Integra requires 30 days following the DDoS Mitigation feature installation to establish the customer's traffic baseline profile.*
- *Integra requires a customer-provided list of potential IP target objects to establish the normal baseline traffic pattern. Integra will provide a form to complete.*
- *The customer will need to open a trouble ticket with the Integra NOC when they suspect a DDoS attack is in progress.*
- *Integra will respond to the customer trouble ticket within 15 minutes from 8:00 am-5:00 pm Monday through Friday Pacific time (excluding holidays) and within 30 minutes at all other times.*
- *Once an attack is identified, customer traffic will be rerouted to the Integra scrubbing center only after customer approval is given.*
- *When the attack subsides and the 24-hour normalization period is complete, customer traffic will be routed back to the normal traffic flow at a time agreed upon by both parties.*

Pricing: DDoS Mitigation has three distinct pricing elements:

1. *A single monthly recurring charge (MRC) applies to establish the baseline traffic patterns per bandwidth monitored, and for the mitigations per month a customer would like to include (options include: up to 5 mitigations per month, up to 10 mitigations per month, up to 15 mitigations per month, up to 20 mitigations per month, over 20 mitigations per month, unlimited mitigations per month, and 0 mitigations per month, where a customer purchases the "Baseline Only" option, and then pays for each mitigation as needed.)*
2. *Customers may increase the number of mitigations per month at any time. Customers may decrease the number of mitigations per month once per calendar quarter. Increases and decreases will result in a new MRC. No change charge applies to these changes.*
3. *If the number of mitigations exceeds the amount chosen by the customer in a given month, a per-mitigation charge will apply.*

5.2.7.b DDoS Mitigation

Geographic Availability:

Integra's DDoS Mitigation is available in the same geography that MIS is provided.

Service Limitations and Restrictions

Integra's DDoS Mitigation process will employ any and all skills and tools available to determine the type of attack and the quickest way to isolate the customer's circuit from unwanted cyber-attacks.

Baseline only feature establishes a diagnostic pattern of your traffic that is used to identify and suppress unwanted traffic at your request which mitigates that traffic for a per event charge.

Change Charge Applicability:

N/A

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline Only	507200	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.0	$75.00	Per Circuit	$0.00
2	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 5 Mitigations per month	507201	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.0	$915.00	Per Circuit	$0.00
3	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 10 Mitigations per month	507202	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,635.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
4	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 15 Mitigations per month	507203	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,355.00	Per Circuit	$0.00
5	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus up to 20 Mitigations per month	507204	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,075.00	Per Circuit	$0.00
6	DDoS Mitigation for MIS Bandwidth: 1.5 – 12 Mbps Baseline plus unlimited Mitigations per month	507205	DDoS Mitigation for 1.5 – 12 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3500.00	Per Circuit	$0.00
7	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline Only	507206	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$100.00	Per Circuit	$0.00
8	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 5 Mitigations per month	507207	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$930.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
9	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 10 Mitigations per month	507208	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,640.00	Per Circuit	$0.00
10	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 15 Mitigations per month	507209	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,360.00	Per Circuit	$0.00
11	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus up to 20 Mitigations per month	507210	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,080.00	Per Circuit	$0.00
12	DDoS Mitigation for MIS Bandwidth: 15 – 45 Mbps Baseline plus unlimited Mitigations per month	507211	DDoS Mitigation for 15 - 45 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3600.00	Per Circuit	$0.00
13	DDoS Mitigation for MIS Bandwidth: 50 – 100 Mbps Baseline Only	507212	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$125.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
14	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 5 Mitigations per month	507213	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$935.00	Per Circuit	$0.00
15	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 10 Mitigations per month	507214	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month..		$0.00	$1,640.00	Per Circuit	$0.00
16	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 15 Mitigations per month	507215	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,465.00	Per Circuit	$0.00
17	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus up to 20 Mitigations per month	507216	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,080.00	Per Circuit	$0.00
18	DDoS Mitigation for MIS Bandwidth: 50 - 100 Mbps Baseline plus unlimited Mitigations per month	507217	DDoS Mitigation for 50 - 100 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3700.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
19	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline Only	507218	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$150.00	Per Circuit	$0.00
20	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 5 Mitigations per month	507219	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$950.00	Per Circuit	$0.00
21	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 10 Mitigations per month	507220	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,650.00	Per Circuit	$0.00
22	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 15 Mitigations per month	507221	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,370.00	Per Circuit	$0.00
23	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus up to 20 Mitigations per month	507222	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,090.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
24	DDoS Mitigation for MIS Bandwidth: OC3 at 155 Mbps Baseline plus unlimited Mitigations per month	507223	DDoS Mitigation for OC3 at 155 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3800.00	Per Circuit	$0.00
25	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline Only	507224	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$150.00	Per Circuit	$0.00
26	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 5 Mitigations per month	507225	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$950.00	Per Circuit	$0.00
27	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 10 Mitigations per month	507226	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,650.00	Per Circuit	$0.00
28	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 15 Mitigations per month	507227	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,370.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
29	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus up to 20 Mitigations per month	507228	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,090.00	Per Circuit	$0.00
30	DDoS Mitigation for MIS Bandwidth: 101-199 Mbps Baseline plus unlimited Mitigations per month	507229	DDoS Mitigation for 101-199 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3800.00	Per Circuit	$0.00
31	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline Only	507230	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$175.00	Per Circuit	$0.00
32	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 5 Mitigations per month	507231	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$985.00	Per Circuit	$0.00
33	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 10 Mitigations per month	507232	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,690.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
34	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 15 Mitigations per month	507233	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,440.00	Per Circuit	$0.00
35	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus up to 20 Mitigations per month	507234	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,190.00	Per Circuit	$0.00
36	DDoS Mitigation for MIS Bandwidth: 200-299 Mbps Baseline plus unlimited Mitigations per month	507235	DDoS Mitigation for 200-299 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$3,900.00	Per Circuit	$0.00
37	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline Only	507236	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$200.00	Per Circuit	$0.00
38	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 5 Mitigations per month	507237	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month..		$0.00	$1,040.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
39	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 10 Mitigations per month	507238	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,740.00	Per Circuit	$0.00
40	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 15 Mitigations per month	507239	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,490.00	Per Circuit	$0.00
41	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus up to 20 Mitigations per month	507240	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3240.00	Per Circuit	$0.00
42	DDoS Mitigation for MIS Bandwidth: 300-399 Mbps Baseline plus unlimited Mitigations per month	507241	DDoS Mitigation for 300-399 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,000.00	Per Circuit	$0.00
43	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline Only	507242	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$225.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
44	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 5 Mitigations per month	507243	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,065.00	Per Circuit	$0.00
45	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 10 Mitigations per month	507244	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,785.00	Per Circuit	$0.00
46	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 15 Mitigations per month	507245	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,625.00	Per Circuit	$0.00
47	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus up to 20 Mitigations per month	507246	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,285.00	Per Circuit	$0.00
48	DDoS Mitigation for MIS Bandwidth: 400-499 Mbps Baseline plus unlimited Mitigations per month	507247	DDoS Mitigation for 400-499 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,100.00	Per Circuit	$0.00
49	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline Only	507248	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$250.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
50	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 5 Mitigations per month	507249	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,150.00	Per Circuit	$0.00
51	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 10 Mitigations per month	507250	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,840.00	Per Circuit	$0.00
52	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 15 Mitigations per month	507251	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,650.00	Per Circuit	$0.00
53	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus up to 20 Mitigations per month	507252	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,340.00	Per Circuit	$0.00
54	DDoS Mitigation for MIS Bandwidth: 500-599 Mbps Baseline plus unlimited Mitigations per month	507253	DDoS Mitigation for 500-599 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,200.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
55	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline Only	507254	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$275.00	Per Circuit	$0.00
56	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 5 Mitigations per month	507255	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,175.00	Per Circuit	$0.00
57	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 10 Mitigations per month	507256	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,925.00	Per Circuit	$0.00
58	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 15 Mitigations per month	507257	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,765.00	Per Circuit	$0.00
59	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus up to 20 Mitigations per month	507258	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,425.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
60	DDoS Mitigation for MIS Bandwidth: OC12 at 622 Mbps Baseline plus unlimited Mitigations per month	507259	DDoS Mitigation for OC12 at 622 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,300.00	Per Circuit	$0.00
61	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline Only	507260	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$275.00	Per Circuit	$0.00
62	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 5 Mitigations per month	507261	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,175.00	Per Circuit	$0.00
63	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 10 Mitigations per month	507262	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,975.00	Per Circuit	$0.00
64	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 15 Mitigations per month	507263	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,765.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
65	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus up to 20 Mitigations per month	507264	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,425.00	Per Circuit	$0.00
66	DDoS Mitigation for MIS Bandwidth: 600-699 Mbps Baseline plus unlimited Mitigations per month	507265	DDoS Mitigation for 600-699 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,300.00	Per Circuit	$0.00
67	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline Only	507266	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$300.00	Per Circuit	$0.00
68	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 5 Mitigations per month	507267	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,200.00	Per Circuit	$0.00
69	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 10 Mitigations per month	507268	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,950.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
70	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 15 Mitigations per month	507269	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,790.00	Per Circuit	$0.00
71	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus up to 20 Mitigations per month	507270	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,480.00	Per Circuit	$0.00
72	DDoS Mitigation for MIS Bandwidth: 700-799 Mbps Baseline plus unlimited Mitigations per month	507271	DDoS Mitigation for 700-799 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,400.00	Per Circuit	$0.00
73	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline Only	507272	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$325.00	Per Circuit	$0.00
74	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 5 Mitigations per month	507273	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,225.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
75	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 10 Mitigations per month	507274	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$1,975.00	Per Circuit	$0.00
76	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 15 Mitigations per month	507275	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,825.00	Per Circuit	$0.00
77	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus up to 20 Mitigations per month	507276	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,525.00	Per Circuit	$0.00
78	DDoS Mitigation for MIS Bandwidth: 800-899 Mbps Baseline plus unlimited Mitigations per month	507277	DDoS Mitigation for 800-899 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,500.00	Per Circuit	$0.00
79	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline Only	507278	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$350.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
80	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 5 Mitigations per month	507279	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,310.00	Per Circuit	$0.00
81	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 10 Mitigations per month	507280	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,060.00	Per Circuit	$0.00
82	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 15 Mitigations per month	507281	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$2,870.00	Per Circuit	$0.00
83	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus up to 20 Mitigations per month	507282	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,470.00	Per Circuit	$0.00
84	DDoS Mitigation for MIS Bandwidth: 900-999 Mbps Baseline plus unlimited Mitigations per month	507283	DDoS Mitigation for 900-999 Mbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,600.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
85	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline Only	507284	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$375.00	Per Circuit	$0.00
86	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 5 Mitigations per month	507285	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,455.00	Per Circuit	$0.00
87	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 10 Mitigations per month	507286	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,175.00	Per Circuit	$0.00
88	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 15 Mitigations per month	507287	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,015.00	Per Circuit	$0.00
89	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus up to 20 Mitigations per month	507288	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,675.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
90	DDoS Mitigation for MIS Bandwidth: 1 - 1.9 Gbps Baseline plus unlimited Mitigations per month	507289	DDoS Mitigation for 1 - 1.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,700.00	Per Circuit	$0.00
91	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline Only	507290	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$400.00	Per Circuit	$0.00
92	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 5 Mitigations per month	507291	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,570.00	Per Circuit	$0.00
93	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 10 Mitigations per month	507292	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,285.00	Per Circuit	$0.00
94	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 15 Mitigations per month	507293	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,095.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
95	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus up to 20 Mitigations per month	507294	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,845.00	Per Circuit	$0.00
96	DDoS Mitigation for MIS Bandwidth: OC48 at 2.48 Gbps Baseline plus unlimited Mitigations per month	507295	DDoS Mitigation for OC48 at 2.48 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,800.00	Per Circuit	$0.00
97	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline Only	507296	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$400.00	Per Circuit	$0.00
98	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 5 Mitigations per month	507297	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,570.00	Per Circuit	$0.00
99	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 10 Mitigations per month	507298	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,285.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
100	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 15 Mitigations per month	507299	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,095.00	Per Circuit	$0.00
101	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus up to 20 Mitigations per month	507300	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,845.00	Per Circuit	$0.00
102	DDoS Mitigation for MIS Bandwidth: 2 - 2.9 Gbps Baseline plus unlimited Mitigations per month	507301	DDoS Mitigation for 2 - 2.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,800.00	Per Circuit	$0.00
103	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline Only	507302	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$425.00	Per Circuit	$0.00
104	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 5 Mitigations per month	507303	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,595.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
105	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 10 Mitigations per month	507304	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,405.00	Per Circuit	$0.00
106	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 15 Mitigations per month	507305	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,215.00	Per Circuit	$0.00
107	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus up to 20 Mitigations per month	507306	DDoS Mitigation for 3 - 3.9 Gbps Mbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$3,995.00	Per Circuit	$0.00
108	DDoS Mitigation for MIS Bandwidth: 3 - 3.9 Gbps Baseline plus unlimited Mitigations per month	507307	DDoS Mitigation for 3 - 3.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$4,900.00	Per Circuit	$0.00
109	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline Only	507308	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$450.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
110	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 5 Mitigations per month	507309	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,620.00	Per Circuit	$0.00
111	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 10 Mitigations per month	507310	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,580.00	Per Circuit	$0.00
112	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 15 Mitigations per month	507311	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,420.00	Per Circuit	$0.00
113	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus up to 20 Mitigations per month	507312	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,080.00	Per Circuit	$0.00
114	DDoS Mitigation for MIS Bandwidth: 4 - 4.9 Gbps Baseline plus unlimited Mitigations per month	507313	DDoS Mitigation for 4 - 4.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,000.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
115	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline Only	507314	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$475.00	Per Circuit	$0.00
116	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 5 Mitigations per month	507315	DDoS Mitigation for 5 - 5.9 Gbps Mbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,645.00	Per Circuit	$0.00
117	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 10 Mitigations per month	507316	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,695.00	Per Circuit	$0.00
118	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 15 Mitigations per month	507317	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,505.00	Per Circuit	$0.00
119	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus up to 20 Mitigations per month	507318	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,165.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
120	DDoS Mitigation for MIS Bandwidth: 5 - 5.9 Gbps Baseline plus unlimited Mitigations per month	507319	DDoS Mitigation for 5 - 5.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,100.00	Per Circuit	$0.00
121	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline Only	507320	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$500.00	Per Circuit	$0.00
122	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 5 Mitigations per month	507321	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,670.00	Per Circuit	$0.00
123	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 10 Mitigations per month	507322	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,750.00	Per Circuit	$0.00
124	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 15 Mitigations per month	507323	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,590.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
125	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus up to 20 Mitigations per month	507324	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,250.00	Per Circuit	$0.00
126	DDoS Mitigation for MIS Bandwidth: 6 - 6.9 Gbps Baseline plus unlimited Mitigations per month	507325	DDoS Mitigation for 6 - 6.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,200.00	Per Circuit	$0.00
127	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline Only	507326	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$525.00	Per Circuit	$0.00
128	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 5 Mitigations per month	507327	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,695.00	Per Circuit	$0.00
129	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 10 Mitigations per month	507328	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,835.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
130	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 15 Mitigations per month	507329	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,645.00	Per Circuit	$0.00
131	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus up to 20 Mitigations per month	507330	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,305.00	Per Circuit	$0.00
132	DDoS Mitigation for MIS Bandwidth: 7 - 7.9 Gbps Baseline plus unlimited Mitigations per month	507331	DDoS Mitigation for 7 - 7.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,300.00	Per Circuit	$0.00
133	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline Only	507332	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$550.00	Per Circuit	$0.00
134	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 5 Mitigations per month	507333	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,720.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
135	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 10 Mitigations per month	507334	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,890.00	Per Circuit	$0.00
136	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 15 Mitigations per month	507335	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,730.00	Per Circuit	$0.00
137	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus up to 20 Mitigations per month	507336	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,390.00	Per Circuit	$0.00
138	DDoS Mitigation for MIS Bandwidth: 8 - 8.9 Gbps Baseline plus unlimited Mitigations per month	507337	DDoS Mitigation for 8 - 8.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,400.00	Per Circuit	$0.00
139	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline Only	507338	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$575.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
140	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 5 Mitigations per month	507339	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,745.00	Per Circuit	$0.00
141	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 10 Mitigations per month	507340	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,915.00	Per Circuit	$0.00
142	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 15 Mitigations per month	507341	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,75.00	Per Circuit	$0.00
143	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus up to 20 Mitigations per month	507342	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$5,500.00	Per Circuit	$0.00
144	DDoS Mitigation for MIS Bandwidth: 9 - 9.9 Gbps Baseline plus unlimited Mitigations per month	507343	DDoS Mitigation for 9 - 9.9 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,500.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
145	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline Only	507344	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, to establish a baseline of normal traffic, no mitigations are included at the Baseline Only level.	This charge contains no mitigations. An additional charge per mitigation request applies	$0.00	$600.00	Per Circuit	$0.00
146	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 5 Mitigations per month	507345	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 5 Mitigations per month.		$0.00	$1,770.00	Per Circuit	$0.00
147	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 10 Mitigations per month	507346	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 10 Mitigations per month.		$0.00	$2,940.00	Per Circuit	$0.00
148	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 15 Mitigations per month	507347	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 15 Mitigations per month.		$0.00	$3,900.00	Per Circuit	$0.00
149	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus up to 20 Mitigations per month	507348	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus up to 20 Mitigations per month.		$0.00	$4,680.00	Per Circuit	$0.00

5.2.7.b DDoS Mitigation

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
150	DDoS Mitigation for MIS Bandwidth: 10 Gbps Baseline plus unlimited Mitigations per month	507349	DDoS Mitigation for 10 Gbps of MIS purchased from Integra, including the baseline, plus unlimited mitigations per month.		$0.00	$5,600.00	Per Circuit	$0.00
151	DDoS Mitigation for MIS Bandwidth: Each mitigation with a baseline only plan	507380	This DDoS Mitigation – Per Event Charge applies when the baseline only plan has been chosen. Each mitigation is charged on a per event basis	Applies to baseline only features as a per mitigation charge	$0.00	$800.00	Per Mitigation Event	$0.00
152	DDoS Mitigation for MIS Bandwidth: Each incremental mitigation over purchased threshold	507381	This DDoS Mitigation – Per Event Charge applies when the baseline plus a number of included mitigations are exceeded. Each incremental mitigation is charged on a per mitigation event.	Applies to all features that are not baseline only or unlimited and only for incremental mitigations beyond the pre purchased mitigations	$0.00	$600.00	Per Mitigation Event	$0.00

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5.4.2 Extended Demarcation Wiring Services
Contractor's Summary description of service: Extended Demarc wiring includes wiring and cable related activities required to extend the service demarcation point to the Customer defined termination location or cross-connect point from the Contractor's Minimum Point of Entry (MPOE). Extended Demarc wiring shall include all necessary hardware including wire and/or cable, connectors, jumpers, patch panels, minor materials and jacks. Extended Demarc wiring shall also include all necessary labor required to complete the provisioning of service including installation, testing, trouble shooting, labeling and documentation. Extended Demarc wiring is limited to the following: 1. Installation of cabling for extending services from the MPOE location to the Customer's point of utilization; 2. Installation of cross-connects or rearrangement of existing jumpers; 3. Identification and testing of existing cabling beyond the MPOE to the Customer's equipment location; or, 4. Testing, trouble shooting, labeling and completing documentation.
Geographic Availability: Integra will provide Extended Demarcation (Extended Demarc) wiring to support the services covered by this contract for all Customer occupied buildings where services under this Contract are being offered.
Service Limitations and Restrictions Integra's Extended Demarcation Wiring Services require a no-cost customer consultation regarding specific wiring requirements prior to finalizing a service order and implementation.
Change Charge Applicability: N/A

5.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	Extended Demarcation – Copper four-Pair – Regular Hours	508001	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2 Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$143.00	N/A	Installation	N/A
2	Extended Demarcation – Copper four-Pair – Overtime Hours	508002	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2 Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$170.00	N/A	Installation	N/A
3	Extended Demarcation – Copper four-Pair – Sunday and Holiday Hours	508003	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2 Includes 300 feet of four-pair cable and an RJ48s or equivalent jack.		$170.00	N/A	Installation	N/A

5.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
4	Extended Demarcation – Copper 25 Pair– Regular Hours	508004	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$170.00	N/A	Installation	N/A
5	Extended Demarcation – Copper 25 Pair– Overtime Hours	508005	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$224.00	N/A	Installation	N/A

5.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
6	Extended Demarcation – Copper 25 Pair – Sunday and Holiday Hours	508006	Wiring services to extend Facilities from the Customer's MPOE to the Customer's point of utilization from a copper trunk or trunking equipment as described in Section 5.4.2. Includes 300 feet or less of Category 5 25-pair CMP cable, one (1) patch panel and mounting hardware. Ten Category 5e, three (3) meter jumpers; one (1) 24-port patch panel to be provided in the MPOE and Intermediate Distribution Frame (IDF) for all circuits being extended. Includes associated troubleshooting, testing, and labeling.		$224.00	N/A	Installation	N/A
7	Extended Demarcation – Optical Fiber Link– Regular Hours	508007	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 5.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$798.80	N/A	Installation	N/A

5.4.2 Extended Demarcation Wiring Services								
Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
8	Extended Demarcation – Optical Fiber Link– Overtime Hours	508008	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 5.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$850.00	N/A	Installation	N/A
9	Extended Demarcation – Optical Fiber Link – Sunday and Holiday Hours	508009	Wiring services to extend Facilities from the Customer's MPOE to the Customers point of utilization from a fiber trunk or trunking equipment as described in 5.4.2 with strand count required to provision one (1) each service only. Includes up to 1,000 feet of 62.5/125 – or 50/125 – micron, two-strand CMP fiber drop cable with adapters, enclosures, connectors, and two (2) SC-SC duplex patch cords for each single circuit extension. Includes associated troubleshooting, testing and labeling.		$850.00	N/A	Installation	N/A

5.4.3 Services Related Hourly Support

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

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

Service Limitations and Restrictions
Integra's Labor Services require a no-cost customer consultation regarding specific support requirements prior to finalizing a service order and implementation.

Change Charge Applicability:
N/A

Line item #	Feature Name	Contractor's Product Identifier	Feature Description	Feature Restrictions, Limitations and Additional Information	Non-Recurring Charge per item	Monthly Recurring Charge/item per unit	Unit of measure	Charge per change per item
1	Field Service Repair Technician Regular Hours	509001	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$135.00	Hour	N/A
2	Field Service Repair Technician Overtime Hours	509002	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$300.00	Hour	N/A
3	Field Service Repair Technician Sunday and Holiday Hours	509003	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET 3 service problem that turns out to be caused by factors outside the responsibility of the Contractor.		N/A	$300.00	Hour	N/A