

Response to Invitation to Bid
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State of California
Statewide Technology Procurement Division

BAFO

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VOLUME 2
Category 5, Managed Internet
Prepared for:
CALNET 3

By:
Level 3 Communications, LLC

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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 3.3.2.5 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 ☒ No ☐

Description:

Level 3 Level 3's Internet services combine superior performance with global reach and scalability. We own and operate one of the world's largest IP backbones, enabling us to offer customers best-in-class service, even for standard requirements. We are also the largest provider of wholesale internet to other carriers, both domestically and worldwide.

Level 3 has deployed dual-stack, IPv6 in our network with full routing tables and, as with IPv4, it is available on all standard port types. Level 3 uses a dual-stack IPv4/IPv6 architecture to deliver our service over the same infrastructure that supports the native IPv4 offering, which results in the same high-quality experience that they have come to expect from Level 3. This allows us to support a seamless migration between protocol versions.

Level 3 provides high-speed dedicated Internet access with a global reach and high reliability in a flexible variety of speeds ranging from DS-1 to 10 Gigabit Ethernet ports. Level 3's Internet service is available in all standard port types, including FE, GE, 10GE, DS-1, DS-3, OC-3, OC-12, and OC-48. Our Internet service is available as a standalone or a managed service that includes a managed router.

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 ☒ 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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, 5.2.4.2b and in Catalog A, Column E (Feature Restrictions, Limitations and Additional Information).

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ 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)	T1 T3 OC-3c OC-12c	IPv4/v6 over ATMS
2	Cable High Speed Access	N/A	Point-to-Point Protocol, IPv4/v6
3	Ethernet Interface	1 Mbps up to 1 GbE (Gigabit Ethernet) 10 GbE	IPv4/v6 over Ethernet
4	Frame Relay Service (FRS)	Fractional T1 T1 Fractional T3 T3	IPv4/v6 over FRS
5	IP over SONET Service	OC-3c OC-12c OC-48c OC-192c	IP/PPP over SONET
6	Private Line Service (PLS)	Fractional T1 T1 Fractional T3 T3 OC-3c OC-12c OC-48c 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.	X		IPS-CA-0008
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 1.544 Mbps.				
	Interface/Access Type: Private Line Service (PLS)				
	Network Side Interface: T1				
	Protocol: IPv4/v6 over PLS				
2	InFRa @ 2Mbps	Internet Flat Rate Service (InFRa) at 2Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0009
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 2Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: 10 Mbps				
	Protocol: IPv4/v6 over Ethernet				
3	InFRa @ 3Mbps	Internet Flat Rate Service (InFRa) at 3Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0010
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 3 Mbps.				
	Interface/Access Type: Ethernet, 2xT1				
	Network Side Interface: Private Line Service (PLS)				
	Protocol: IPv4/v6 over PLS				
4	InFRa @ 4Mbps	Internet Flat Rate Service (InFRa) at 4Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0011
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 4Mbps.				
	Interface/Access Type: Ethernet				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Identifier	Product
	Network Side Interface:10 Mbps					
	Protocol: IPv4/v6 over Ethernet					
5	InFRa @ 4.5Mbps	Internet Flat Rate Service (InFRa) at 4.5Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0012	
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 4.5 Mbps.					
	Interface/Access Type: Private Line Service (PLS)					
	Network Side Interface:3xT1					
	Protocol: IPv4/v6 over PLS					
6	InFRa @ 5Mbps	Internet Flat Rate Service (InFRa) at 5Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0013	
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 5 Mbps.					
	Interface/Access Type: Ethernet					
	Network Side Interface: 10Mbps					
	Protocol: IPv4/v6 over Ethernet					
7	InFRa @ 6Mbps	Internet Flat Rate Service (InFRa) at 6Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0014	
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 6 Mbps.					
	Interface/Access Type: Private Line Service (PLS)					
	Network Side Interface: 4xT1					
	Protocol: IPv4/v6 over PLS					
8	InFRa @ 7Mbps	Internet Flat Rate Service (InFRa) at 7Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0015	
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 7 Mbps.					
	Interface/Access Type: Ethernet					
	Network Side Interface: Fast Ethernet					
	Protocol: IPv4/v6 over Ethernet					

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
9	InFRa @ 7.5Mbps	Internet Flat Rate Service (InFRa) at 7.5Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0016
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 7.5 Mbps.				
	Interface/Access Type: Private Line Service (PLS)				
	Network Side Interface: 5xT1				
	Protocol: IPv4/v6 over PLS				
10	InFRa @ 8Mbps	Internet Flat Rate Service (InFRa) at 8Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0017
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 8 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
11	InFRa @ 9Mbps	Internet Flat Rate Service (InFRa) at 9Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0018
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 9 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
12	InFRa @ 10Mbps	Internet Flat Rate Service (InFRa) at 10Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0019
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 10 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: Pv4/v6 over Ethernet				
13	InFRa @ 10.5Mbps	Internet Flat Rate Service (InFRa) at 10.5Mbps. Includes dedicated Internet port and transport.	x		IPS-CA-0020

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Identifier	Product
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 10.5 Mbps.				
	Interface/Access Type: Private Line Service (PLS)				
	Network Side Interface: 7xT1				
	Protocol: IPv4/v6 over PLS				
14	InFRa @ 12Mbps	Internet Flat Rate Service (InFRa) at 12Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0021
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 12 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
15	InFRa @ 15Mbps	Internet Flat Rate Service (InFRa) at 15Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0022
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 15 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
16	InFRa @ 20Mbps	Internet Flat Rate Service (InFRa) at 20Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0023
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 20 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
17	InFRa @ 25Mbps	Internet Flat Rate Service (InFRa) at 25Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0024
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 25 Mbps.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Identifier	Product
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
18	InFRa @ 30Mbps	Internet Flat Rate Service (InFRa) at 30Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0025
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 30 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
19	InFRa @ 35Mbps	Internet Flat Rate Service (InFRa) at 35Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0026
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 35 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
20	InFRa @ 40Mbps	Internet Flat Rate Service (InFRa) at 40Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0027
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 40 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
21	InFRa @ 45Mbps	Internet Flat Rate Service (InFRa) at 45Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0028
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 45 Mbps.				
	Interface/Access Type: Private Line Service (PLS)				
	Network Side Interface: DS-3				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Identifier	Product
	Protocol: IPv4/v6 over Ethernet				
22	InFRa @ 60Mbps	Internet Flat Rate Service (InFRa) at 60Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0029
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 60 Mbps.				
	Interface/Access Type: Ethernet				
	Network Side Interface: Fast Ethernet				
	Protocol: IPv4/v6 over Ethernet				
23	InFRa @ 155Mbps	Internet Flat Rate Service (InFRa) at 155Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0030
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 155 Mbps.				
	Interface/Access Type: IP Over SONET Service				
	Network Side Interface: OC-3				
	Protocol: IP/PPP over SONET				
24	InFRa @ 622Mbps	Internet Flat Rate Service (InFRa) at 622Mbps. Includes dedicated Internet port and transport.	X		IPS-CA-0031
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 622 Mbps.				
	Interface/Access Type: IP Over SONET Service				
	Network Side Interface: OC-12				
	Protocol: IP/PPP over SONET				
25	InFRa @ 2.45Gbps	Internet Flat Rate Service (InFRa) at 2.45Gbps. Includes dedicated Internet port and transport.	X		IPS-CA-0032
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 2.45 Gbps.				
	Interface/Access Type: IP Over SONET Service				
	Network Side Interface: OC-48				
	Protocol: IP/PPP over SONET				

Table 5.2.4.1.c – Unsolicited Internet Flat Rate Service

	Feature Name	Feature Description	Bidder's Product Identifier
1			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
2			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
3			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
4			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
5			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
6			
	Bidder's Product Description:		
	Interface/Access Type:		

	Feature Name	Feature Description	Bidder's Product Identifier
	Network Side Interface:		
	Protocol:		
7			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
8			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
9			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
10			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		

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:

Level 3 shall provide Internet Flat Rate pricing 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 Level 3 Point of Presence (POP). The service shall include all equipment, cabling and labor required to provide a UNI at the Customer premise MPOE and a Level 3 owned, maintained and managed router.

Level 3 Managed Router Service provides full-service as well as physical management. Physical management includes procurement, installation and maintenance of the router as well as notification and acceptance testing.

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)	T1 T3 OC-3c OC-12c	IPv4/v6 over ATMS
2	Cable High Speed Access	N/A	Point-to-Point Protocol, IPv4/v6
3	Ethernet Interface	1 Mbps up to 1 GbE (Gigabit Ethernet) 10 GbE	IPv4/v6 over Ethernet
4	Frame Relay Service (FRS)	Fractional T1 T1 Fractional T3 T3	IPv4/v6 over FRS
5	IP over SONET Service	OC-3c OC-12c OC-48c OC-192c	IP/PPP over SONET
6	Private Line Service (PLS)	Fractional T1 T1 Fractional T3 T3 OC-3c OC-12c OC-48c 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.	X		IPS-CA-0108
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 1.544 Mbps bundled with a router owned and managed by Level 3.				
	Interface/Access Type: Private Line Service (PLS)				
	Network Side Interface: T-1				
	Protocol: IPv4/v6 Over PLS				
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.	X		IPS-CA-0109
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 2 Mbps bundled with a router owned and managed by Level 3.				
	Interface/Access Type: Ethernet				
	Network Side Interface: 10 Mbps				
	Protocol: IPv4/v6 Over Ethernet				
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.	X		IPS-CA-0110

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 3 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Private Line Service (PLS)			
	Network Side Interface: NxT-1			
	Protocol: IPv4/v6 Over PLS			
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.	X	IPS-CA-0111
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 4 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Ethernet			
	Network Side Interface: 10 Mbps			
	Protocol: IPv4/v6 Over Ethernet			
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.	X	IPS-CA-0112
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 4.5 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Private Line Service (PLS)			
	Network Side Interface: NxT-1			
	Protocol: IPv4/v6 Over PLS			

	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.	X		IPS-CA-0113
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 5 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: 10 Mbps					
Protocol: IPv4/v6 Over Ethernet					
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.	X		IPS-CA-0114
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 6 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Private Line Service (PLS)					
Network Side Interface: NxT-1					
Protocol: IPv4/v6 Over PLS					
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.	X		IPS-CA-0115
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 7 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Protocol: IPv4/v6 Over Ethernet			
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.	X	IPS-CA-0116
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 7.5 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Private Line Service (PLS)			
	Network Side Interface: NxT-1			
	Protocol: IPv4/v6 Over PLS			
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.	X	IPS-CA-0117
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 8 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Ethernet			
	Network Side Interface: Fast Ethernet			
	Protocol: IPv4/v6 Over Ethernet			
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.	X	IPS-CA-0118
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 9 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Ethernet			
	Network Side Interface: Fast Ethernet			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Protocol: IPv4/v6 Over Ethernet			
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.	X	IPS-CA-0119
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 10 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Ethernet			
	Network Side Interface: Fast Ethernet			
	Protocol: IPv4/v6 Over Ethernet			
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.	X	IPS-CA-0120
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 10. 5 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Private Line Service (PLS)			
	Network Side Interface: NxT-1			
	Protocol: IPv4/v6 Over PPP			
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.	X	IPS-CA-0121
	Bidder's Product Description: Internet service with symmetrical download and upload speeds of 12 Mbps bundled with a router owned and managed by Level 3.			
	Interface/Access Type: Ethernet			
	Network Side Interface: Fast Ethernet			
	Protocol: IPv4/v6 Over Ethernet			

	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.	X		IPS-CA-0122
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 15 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					
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.	X		IPS-CA-0123
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 20 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					
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.	X		IPS-CA-0124
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 25 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					

	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.	X		IPS-CA-0125
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 30 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					
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.	X		IPS-CA-0126
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 35 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					
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.	X		IPS-CA-0127
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 40 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					

	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.	X		IPS-CA-0128
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 45 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Private Line Service (PLS)					
Network Side Interface: DS-3					
Protocol: IPv4/v6 Over PPP					
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.	X		IPS-CA-0129
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 60 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: Ethernet					
Network Side Interface: Fast Ethernet					
Protocol: IPv4/v6 Over Ethernet					
23	InFRaM @ 155Mbps	Internet Flat Rate Service with Managed Router (InFRaM) at 155 Mbps. Includes dedicated Internet port, transport, and a Contractor owned, maintained and managed router.	X		IPS-CA-0130
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 155 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: IP Over SONET Service					
Network Side Interface: OC-3					
Protocol: IP/PPP Over SONET 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.	X		IPS-CA-0131
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 622 Mbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: IP Over SONET Service					
Network Side Interface: OC-12					
Protocol: IP/PPP Over SONET Service					
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.	X		IPS-CA-0132
Bidder's Product Description: Internet service with symmetrical download and upload speeds of 2.45 Gbps bundled with a router owned and managed by Level 3.					
Interface/Access Type: IP Over SONET Service					
Network Side Interface: OC-48					
Protocol: IP/PPP Over SONET Service					

Table 5.2.4.2.c – Unsolicited Internet Flat Rate with Managed Router Service

	Feature Name	Feature Description	Bidder's Product Identifier
1			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
2			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
3			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
4			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
5			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
6			
	Bidder's Product Description:		
	Interface/Access Type:		

	Feature Name	Feature Description	Bidder's Product Identifier
	Network Side Interface:		
	Protocol:		
7			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
8			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
9			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		
10			
	Bidder's Product Description:		
	Interface/Access Type:		
	Network Side Interface:		
	Protocol:		

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 ☒ 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 Mbps up to 1 GbE (Gigabit Ethernet) 10 GbE	IPv4/v6 over Ethernet

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ No ☐

Bidders shall provide the InSBET services detailed in Table 5.2.5.15.2.5.2.1.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.	X		IPS-CA- 0201
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 2 Mbps				
2	InSBET 100-Base-TX 4 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 4Mbps	X		IPS-CA- 0202
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 4 Mbps				
3	InSBET 100-Base-TX 5 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 5Mbps	X		IPS-CA- 0203
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 5 Mbps				
4	InSBET 100-Base-TX 8 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 8Mbps	X		IPS-CA- 0204
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 8 Mbps				
5	InSBET 100-Base-TX 10 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 10Mbps	X		IPS-CA- 0205
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 10 Mbps				
6	InSBET 100-Base-TX 20 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 20Mbps	X		IPS-CA- 0206
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 20 Mbps				
7	InSBET 100-Base-TX 50 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 50Mbps	X		IPS-CA- 0207

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 50 Mbps			
8	InSBET 100-Base-TX 100 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 100Mbps	X	IPS-CA-0208
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 100 Mbps			
9	InSBET 1000-Base-TX 150 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 150Mbps	X	IPS-CA-0209
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 150 Mbps			
10	InSBET 1000-Base-TX 250 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 250Mbps	X	IPS-CA-0210
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 250 Mbps			
11	InSBET 1000-Base-TX 500 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 500Mbps	X	IPS-CA-0211
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 500 Mbps			
12	InSBET 1000-Base-TX 1000 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 1000Mbps	X	IPS-CA-0212
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 1000 Mbps			
13	InSBET 10G-Base-LSR 10,000 Mbps Ethernet Transport	InSBET Service with maximum burstable data rate of 10Gbps	X	IPS-CA-0213
	Bidder's Product Description: Internet Access Service with a maximum burstable data rate of 10 Gbps			

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

Table 5.2.5.1.c – Unsolicited InSBET Services

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

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 ☒ 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 ☒ 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 ☒ 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.	X		IPS-CA-0301
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 2 Mbps				
2	InSBEP Additional Incremental Usage Charge over 2 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0302
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2 Mbps				
3	InSBEP Minimum Bandwidth Commitment Ethernet 3 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0303
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 3 Mbps				
4	InSBEP Additional Incremental Usage Charge over 3 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0304
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3 Mbps				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
5	InSBEP Minimum Bandwidth Commitment Ethernet 4 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0305
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 4 Mbps			
6	InSBEP Additional Incremental Usage Charge over 4 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0306
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4 Mbps			
7	InSBEP Minimum Bandwidth Commitment Ethernet 5 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0307
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 5 Mbps			
8	InSBEP Additional Incremental Usage Charge over 5 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0308
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5 Mbps			
9	InSBEP Minimum Bandwidth Commitment Ethernet 6 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0309
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 6 Mbps			
10	InSBEP Additional Incremental Usage Charge over 6 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0310
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6 Mbps			
11	InSBEP Minimum Bandwidth Commitment Ethernet 7 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0311

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 7 Mbps			
12	InSBEP Additional Usage Charge over 7 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0312
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7 Mbps			
13	InSBEP Minimum Bandwidth Commitment Ethernet 8 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0313
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 8 Mbps			
14	InSBEP Additional Usage Charge over 8 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0314
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8 Mbps			
15	InSBEP Minimum Bandwidth Commitment Ethernet 9 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0315
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 9 Mbps			
16	InSBEP Additional Usage Charge over 9 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0316
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9 Mbps			
17	InSBEP Minimum Bandwidth Commitment Ethernet 10 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0317
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 10 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
18	InSBEP Additional Incremental Usage Charge over 10 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0318
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 10 Mbps			
19	InSBEP Minimum Bandwidth Commitment Ethernet 15 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0319
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 15 Mbps			
20	InSBEP Additional Incremental Usage Charge over 15 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0320
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 15 Mbps			
21	InSBEP Minimum Bandwidth Commitment Ethernet 20 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0321
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 20 Mbps			
22	InSBEP Additional Incremental Usage Charge over 20 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0322
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 20 Mbps			
23	InSBEP Minimum Bandwidth Commitment Ethernet 25 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0323
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 25 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
24	InSBEP Additional Incremental Usage Charge over 25 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0324
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 25 Mbps				
25	InSBEP Minimum Bandwidth Commitment Ethernet 30 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0325
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 30 Mbps				
26	InSBEP Additional Incremental Usage Charge over 30 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0326
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 30 Mbps				
27	InSBEP Minimum Bandwidth Commitment Ethernet 35 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0327
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 35 Mbps				
28	InSBEP Additional Incremental Usage Charge over 35 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0328
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 35 Mbps				
29	InSBEP Minimum Bandwidth Commitment Ethernet 40 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0329
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 40 Mbps				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
30	InSBEP Additional Incremental Usage Charge over 40 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0330
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 40 Mbps			
31	InSBEP Minimum Bandwidth Commitment Ethernet 45 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0331
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 45 Mbps			
32	InSBEP Additional Incremental Usage Charge over 45 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0332
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 45 Mbps			
33	InSBEP Minimum Bandwidth Commitment Ethernet 50 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0333
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 50 Mbps			
34	InSBEP Additional Incremental Usage Charge over 50 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0334
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 50 Mbps			
35	InSBEP Minimum Bandwidth Commitment Ethernet 60 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0335
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 60 Mbps			

	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.	X	IPS-CA-0336
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 60 Mbps			
37	InSBEP Minimum Bandwidth Commitment Ethernet 70 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0337
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 70 Mbps			
38	InSBEP Additional Incremental Usage Charge over 70 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0338
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 70 Mbps			
39	InSBEP Minimum Bandwidth Commitment Ethernet 80 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0339
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 80 Mbps			
40	InSBEP Additional Incremental Usage Charge over 80 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0340
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 80 Mbps			
41	InSBEP Minimum Bandwidth Commitment Ethernet 90 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0341
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 90 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
42	InSBEP Additional Incremental Usage Charge over 90 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0342
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 90 Mbps			
43	InSBEP Minimum Bandwidth Commitment Ethernet 100 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0343
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 100 Mbps			
44	InSBEP Additional Incremental Usage Charge over 100 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0344
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 100 Mbps			
45	InSBEP Minimum Bandwidth Commitment Ethernet 120 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0345
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 120 Mbps			
46	InSBEP Additional Incremental Usage Charge over 120 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0346
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 120 Mbps			
47	InSBEP Minimum Bandwidth Commitment Ethernet 144 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0347
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 144 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
48	InSBEP Additional Incremental Usage Charge over 144 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0348
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 144 Mbps			
49	InSBEP Minimum Bandwidth Commitment Ethernet 155 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0349
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 155 Mbps			
50	InSBEP Additional Incremental Usage Charge over 155 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0350
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 155 Mbps			
51	InSBEP Minimum Bandwidth Commitment Ethernet 200 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0351
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 200 Mbps			
52	InSBEP Additional Incremental Usage Charge over 200 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0352
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 200 Mbps			
53	InSBEP Minimum Bandwidth Commitment Ethernet 250 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0353
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 250 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
54	InSBEP Additional Incremental Usage Charge over 250 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0354
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 250 Mbps			
55	InSBEP Minimum Bandwidth Commitment Ethernet 300 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0355
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 300 Mbps			
56	InSBEP Additional Incremental Usage Charge over 300 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0356
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 300 Mbps			
57	InSBEP Minimum Bandwidth Commitment Ethernet 350 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0357
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 350 Mbps			
58	InSBEP Additional Incremental Usage Charge over 350 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0358
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 350 Mbps			
59	InSBEP Minimum Bandwidth Commitment Ethernet 400 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0359
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 400 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
60	InSBEP Additional Incremental Usage Charge over 400 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0360
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 400 Mbps				
61	InSBEP Minimum Bandwidth Commitment Ethernet 450 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0361
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 450 Mbps				
62	InSBEP Additional Incremental Usage Charge over 450 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0362
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 450 Mbps				
63	InSBEP Minimum Bandwidth Commitment Ethernet 500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0363
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 500 Mbps				
64	InSBEP Additional Incremental Usage Charge over 500 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0364
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 500 Mbps				
65	InSBEP Minimum Bandwidth Commitment Ethernet 550 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0365
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 550 Mbps				

	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.	X	IPS-CA-0366
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 550 Mbps			
67	InSBEP Minimum Bandwidth Commitment Ethernet 600 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0367
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 600 Mbps			
68	InSBEP Additional Incremental Usage Charge over 600 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0368
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 600 Mbps			
69	InSBEP Minimum Bandwidth Commitment Ethernet 622 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0369
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 622 Mbps			
70	InSBEP Additional Incremental Usage Charge over 622 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0370
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 622 Mbps			
71	InSBEP Minimum Bandwidth Commitment Ethernet 700 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0371
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 700 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
72	InSBEP Additional Incremental Usage Charge over 700 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0372
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 700 Mbps			
73	InSBEP Minimum Bandwidth Commitment Ethernet 800 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0373
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 800 Mbps			
74	InSBEP Additional Incremental Usage Charge over 800 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0374
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 800 Mbps			
75	InSBEP Minimum Bandwidth Commitment Ethernet 900 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0375
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 900 Mbps			
76	InSBEP Additional Incremental Usage Charge over 900 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0376
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 900 Mbps			
77	InSBEP Minimum Bandwidth Commitment Ethernet 1000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0377
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 1000 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
78	InSBEP Additional Incremental Usage Charge over 1000 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0378
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 1000 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
1	10G InSBEP Minimum Bandwidth Commitment Ethernet 1500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0401
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 1500 Mbps				
2	10G InSBEP Additional Incremental Usage Charge over 1500 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0402
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 1500 Mbps				
3	10G InSBEP Minimum Bandwidth Commitment Ethernet 2000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0403
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 2000 Mbps				
4	10G InSBEP Additional Incremental Usage Charge over 2000 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0404
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2000 Mbps				
5	10G InSBEP Minimum Bandwidth Commitment Ethernet 2500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X		IPS-CA-0405
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 2500 Mbps				
6	10G InSBEP Additional Incremental Usage Charge over 2500 Mbps	Charge for bandwidth usage over minimum commitment.	X		IPS-CA-0406
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2500 Mbps				

	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.	X	IPS-CA-0407
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 3000 Mbps			
8	10G InSBEP Additional Incremental Usage Charge over 3000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0408
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3000 Mbps			
9	10G InSBEP Minimum Bandwidth Commitment Ethernet 3500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0409
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 3500 Mbps			
10	10G InSBEP Additional Incremental Usage Charge over 3500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0410
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3500 Mbps			
11	10G InSBEP Minimum Bandwidth Commitment Ethernet 4000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0411
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 4000 Mbps			
12	10G InSBEP Additional Incremental Usage Charge over 4000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0412
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4000 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
13	10G InSBEP Minimum Bandwidth Commitment Ethernet 4500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0413
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 4500 Mbps			
14	10G InSBEP Additional Incremental Usage Charge over 4500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0414
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4500 Mbps			
15	10G InSBEP Minimum Bandwidth Commitment Ethernet 5000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0415
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 5000 Mbps			
16	10G InSBEP Additional Incremental Usage Charge over 5000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0416
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5000 Mbps			
17	10G InSBEP Minimum Bandwidth Commitment Ethernet 5500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0417
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 5500 Mbps			
18	10G InSBEP Additional Incremental Usage Charge over 5500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0418
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5500 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
19	10G InSBEP Minimum Bandwidth Commitment Ethernet 6000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0419
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 6000 Mbps			
20	10G InSBEP Additional Incremental Usage Charge over 6000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0420
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6000 Mbps			
21	10G InSBEP Minimum Bandwidth Commitment Ethernet 6500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0421
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 6500 Mbps			
22	10G InSBEP Additional Incremental Usage Charge over 6500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0422
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6500 Mbps			
23	10G InSBEP Minimum Bandwidth Commitment Ethernet 7000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0423
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 7000 Mbps			
24	10G InSBEP Additional Incremental Usage Charge over 7000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0424
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7000 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
25	10G InSBEP Minimum Bandwidth Commitment Ethernet 7500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0425
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 7500 Mbps			
26	10G InSBEP Additional Incremental Usage Charge over 7500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0426
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7500 Mbps			
27	10G InSBEP Minimum Bandwidth Commitment Ethernet 8000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0427
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 8000 Mbps			
28	10G InSBEP Additional Incremental Usage Charge over 8000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0428
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8000 Mbps			
29	10G InSBEP Minimum Bandwidth Commitment Ethernet 8500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0429
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 8500 Mbps			
30	10G InSBEP Additional Incremental Usage Charge over 8500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0430
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8500 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
31	10G InSBEP Minimum Bandwidth Commitment Ethernet 9000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0431
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 9000 Mbps			
32	10G InSBEP Additional Incremental Usage Charge over 9000 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0432
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9000 Mbps			
33	10G InSBEP Minimum Bandwidth Commitment Ethernet 9500 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0433
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 9500 Mbps			
34	10G InSBEP Additional Incremental Usage Charge over 9500 Mbps	Charge for bandwidth usage over minimum commitment.	X	IPS-CA-0434
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9500 Mbps			
35	10G InSBEP Minimum Bandwidth Commitment Ethernet 10000 Mbps	Ethernet minimum monthly bandwidth commitment charge.	X	IPS-CA-0435
	Bidder's Product Description: Ethernet minimum monthly bandwidth commitment of 10000 Mbps			
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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 Contractors 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 ☒ No ☐

Description:

Level 3 will provide Internet Sustained Bandwidth Ethernet Port with Managed Router Service. Level 3 will provide a port configuration that allows Customer to select a monthly minimum bandwidth commitment. Customer will then pay an additional incremental usage charge for sustained usage above the monthly minimum bandwidth commitment. Service will allow Customer to "burst" up to the full capacity of the InSBET when needed. Level 3 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.

Level 3 Managed Router Service provides full-service as well as physical management. Physical management includes procurement, installation and maintenance of the router as well as notification and acceptance testing.

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 ☒ 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:

1. Poll Access Router every 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 top 5% (or 864 measurements in a 30 day bill cycle); and
5. The highest remaining data point is the Sustained Usage value for billing purposes.

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ 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.	X		IPS-CA-0501
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 2 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
2	InSBEPM Additional Incremental Usage Charge over 2 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0502
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2 Mbps				
3	InSBEPM Minimum Bandwidth Commitment Ethernet 3 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0503
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 3 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
4	InSBEPM Additional Incremental Usage Charge over 3 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0504
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3 Mbps				
5	InSBEPM Minimum Bandwidth Commitment Ethernet 4 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0505
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 4 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
6	InSBEPM Additional Usage Charge over 4 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0506
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4 Mbps				
7	InSBEPM Minimum Bandwidth Commitment Ethernet 5 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0507
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 5 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
8	InSBEPM Additional Usage Charge over 5 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0508
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5 Mbps				
9	InSBEPM Minimum Bandwidth Commitment Ethernet 6 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0509
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 6 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
10	InSBEPM Additional Usage Charge over 6 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0510
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6 Mbps				
11	InSBEPM Minimum Bandwidth Commitment Ethernet 7 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0511
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 7 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
12	InSBEPM Additional Usage Charge over 7 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0512
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7 Mbps				
13	InSBEPM Minimum Bandwidth Commitment Ethernet 8 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0513
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 8 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
14	InSBEPM Additional Usage Charge over 8 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0514
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8 Mbps				
15	InSBEPM Minimum Bandwidth Commitment Ethernet 9 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0515
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 9 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
16	InSBEPM Additional Usage Charge over 9 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0516
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9 Mbps				
17	InSBEPM Minimum Bandwidth Commitment Ethernet 10 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0517
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 10 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
18	InSBEPM Additional Usage Charge over 10 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0518
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 10 Mbps				
19	InSBEPM Minimum Bandwidth Commitment Ethernet 15 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0519
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 15 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
20	InSBEPM Additional Usage Charge over 15 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0520
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 15 Mbps				
21	InSBEPM Minimum Bandwidth Commitment Ethernet 20 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0521
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 20 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
22	InSBEPM Additional Usage Charge over 20 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0522
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 20 Mbps				
23	InSBEPM Minimum Bandwidth Commitment Ethernet 25 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0523
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 25 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
24	InSBEPM Additional Usage Charge over 25 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0524
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 25 Mbps				
25	InSBEPM Minimum Bandwidth Commitment Ethernet 30 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0525
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 30 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
26	InSBEPM Additional Usage Charge over 30 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0526
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 30 Mbps				
27	InSBEPM Minimum Bandwidth Commitment Ethernet 35 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0527
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 35 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
28	InSBEPM Additional Usage Charge over 35 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0528
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 35 Mbps				
29	InSBEPM Minimum Bandwidth Commitment Ethernet 40 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0529
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 40 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
30	InSBEPM Additional Usage Charge over 40 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0530
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 40 Mbps				
31	InSBEPM Minimum Bandwidth Commitment Ethernet 45 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0531
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 45 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
32	InSBEPM Additional Usage Charge over 45 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0532
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 45 Mbps				
33	InSBEPM Minimum Bandwidth Commitment Ethernet 50 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0533
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 50 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
34	InSBEPM Additional Usage Charge over 50 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0534
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 50 Mbps				
35	InSBEPM Minimum Bandwidth Commitment Ethernet 60 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0535
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 60 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
36	InSBEPM Additional Usage Charge over 60 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0536
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 60 Mbps				
37	InSBEPM Minimum Bandwidth Commitment Ethernet 70 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0537
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 70 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
38	InSBEPM Additional Usage Charge over 70 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0538
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 70 Mbps				
39	InSBEPM Minimum Bandwidth Commitment Ethernet 80 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0539
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 80 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				
40	InSBEPM Additional Usage Charge over 80 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0540
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 80 Mbps				
41	InSBEPM Minimum Bandwidth Commitment Ethernet 90 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0541
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 90 Mbps and the ability to burst to full port capacity (100 Mbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
42	InSBEPM Additional Incremental Usage Charge over 90 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0542
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 90Mbps				
43	InSBEPM Minimum Bandwidth Commitment Ethernet 100 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0543
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 100 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
44	InSBEPM Additional Incremental Usage Charge over 100 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0544
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 100 Mbps				
45	InSBEPM Minimum Bandwidth Commitment Ethernet 120 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0545
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 120 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
46	InSBEPM Additional Incremental Usage Charge over 120 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0546
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 120 Mbps				
47	InSBEPM Minimum Bandwidth Commitment Ethernet 144 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0547

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 144 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
48	InSBEPM Additional Incremental Usage Charge over 144 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0548
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 144 Mbps			
49	InSBEPM Minimum Bandwidth Commitment Ethernet 155 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0549
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 155 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
50	InSBEPM Additional Incremental Usage Charge over 155 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0550
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 155 Mbps			
51	InSBEPM Minimum Bandwidth Commitment Ethernet 200 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0551
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 200 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
52	InSBEPM Additional Incremental Usage Charge over 200 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0552
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 200 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
53	InSBEPM Minimum Bandwidth Ethernet Commitment 250 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0553
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 250 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
54	InSBEPM Additional Incremental Usage Charge over 250 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0554
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 250 Mbps				
55	InSBEPM Minimum Bandwidth Ethernet Commitment 300 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0555
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 300 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
56	InSBEPM Additional Incremental Usage Charge over 300 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0556
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 300 Mbps				
57	InSBEPM Minimum Bandwidth Ethernet Commitment 350 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0557
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 350Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
58	InSBEPM Additional Incremental Usage Charge over 350 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0558

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 350 Mbps			
59	InSBEPM Minimum Bandwidth Commitment Ethernet 400 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0559
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 400 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
60	InSBEPM Additional Incremental Usage Charge over 400 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0560
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 400 Mbps			
61	InSBEPM Minimum Bandwidth Commitment Ethernet 450 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0561
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 450 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
62	InSBEPM Additional Incremental Usage Charge over 450 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0562
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 450 Mbps			
63	InSBEPM Minimum Bandwidth Commitment Ethernet 500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0563
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 500 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
64	InSBEPM Additional Incremental Usage Charge over 500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0564
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 500 Mbps				
65	InSBEPM Minimum Bandwidth Commitment Ethernet 550 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0565
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 550 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
66	InSBEPM Additional Incremental Usage Charge over 550 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0566
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 550 Mbps				
67	InSBEPM Minimum Bandwidth Commitment Ethernet 600 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0567
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 600 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
68	InSBEPM Additional Incremental Usage Charge over 600 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0568
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 600 Mbps				
69	InSBEPM Minimum Bandwidth Commitment Ethernet 622 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0569

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 622 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
70	InSBEPM Additional Incremental Usage Charge over 622 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0570
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 622 Mbps			
71	InSBEPM Minimum Bandwidth Commitment Ethernet 700 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0571
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 700 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
72	InSBEPM Additional Incremental Usage Charge over 700 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0572
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 700 Mbps			
73	InSBEPM Minimum Bandwidth Commitment Ethernet 800 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0573
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 800 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.			
74	InSBEPM Additional Incremental Usage Charge over 800 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0574
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 800 Mbps			

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
75	InSBEPM Minimum Bandwidth Commitment Ethernet 900 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0575
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 900 Mbps and the ability to burst to full port capacity (1 Gbps) and bundled with Router owned and managed by Level 3.				
76	InSBEPM Additional Incremental Usage Charge over 900 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0576
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 900 Mbps				
77	InSBEPM Minimum Bandwidth Commitment Ethernet 1000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0577
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 1000 Mbps and bundled with Router owned and managed by Level 3.				
78	InSBEPM Additional Incremental Usage Charge over 1000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0578
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 1000 Mbps				

**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.	X		IPS-CA-0601
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 1500 Mbps and the ability to burst to full port capacity (10Gbps) and bundled with Router owned and managed by Level 3.				
2	InSBEP Additional Incremental Usage Charge over 1500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0602
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 1500 Mbps				
3	InSBEPM Minimum Bandwidth Commitment Ethernet 2000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0603
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 2000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.				
4	InSBEP Additional Incremental Usage Charge over 2000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0604
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2000 Mbps				
5	InSBEPM Minimum Bandwidth Commitment Ethernet 2500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0605
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 2500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.				

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N		Bidder's Product Identifier
6	InSBEP Additional Usage Charge over 2500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0606
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 2500 Mbps				
7	InSBEP Minimum Bandwidth Commitment Ethernet 3000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0607
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 3000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.				
8	InSBEP Additional Usage Charge over 3000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0608
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3000 Mbps				
9	InSBEP Minimum Bandwidth Commitment Ethernet 3500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0609
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 3500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.				
10	InSBEP Additional Usage Charge over 3500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X		IPS-CA-0610
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 3500 Mbps				
11	InSBEP Minimum Bandwidth Commitment Ethernet 4000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X		IPS-CA-0611

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 4000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
12	InSBEP Additional Incremental Usage Charge over 4000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0612
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4000 Mbps			
13	InSBEP Minimum Bandwidth Commitment Ethernet 4500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0613
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 4500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
14	InSBEP Additional Incremental Usage Charge over 4500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0614
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 4500 Mbps			
15	InSBEP Minimum Bandwidth Commitment Ethernet 5000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0615
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 5000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
16	InSBEP Additional Incremental Usage Charge over 5000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0616

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5000 Mbps			
17	InSBEP Minimum Bandwidth Commitment Ethernet 5500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0617
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 5500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
18	InSBEP Additional Incremental Usage Charge over 5500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0618
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 5500 Mbps			
19	InSBEP Minimum Bandwidth Commitment Ethernet 6000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0619
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 6000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
20	InSBEP Additional Incremental Usage Charge over 6000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0620
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6000 Mbps			
21	InSBEP Minimum Bandwidth Commitment Ethernet 6500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0621

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 6500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
22	InSBEP Additional Incremental Usage Charge over 6500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0622
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 6500 Mbps			
23	InSBEP Minimum Bandwidth Commitment Ethernet 7000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0623
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 7000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
24	InSBEP Additional Incremental Usage Charge over 7000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0624
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7000 Mbps			
25	InSBEP Minimum Bandwidth Commitment Ethernet 7500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0625
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 7500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
26	InSBEP Additional Incremental Usage Charge over 7500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0626

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 7500 Mbps			
27	InSBEPM Minimum Bandwidth Commitment Ethernet 8000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0627
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 8000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
28	InSBEP Additional Incremental Usage Charge over 8000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0628
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8000 Mbps			
29	InSBEPM Minimum Bandwidth Commitment Ethernet 8500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0629
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 8500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
30	InSBEP Additional Incremental Usage Charge over 8500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0630
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 8500 Mbps			
31	InSBEPM Minimum Bandwidth Commitment Ethernet 9000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0631

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 9000 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
32	InSBEP Additional Incremental Usage Charge over 9000 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0632
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9000 Mbps			
33	InSBEP Minimum Bandwidth Commitment Ethernet 9500 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0633
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 9500 Mbps and the ability to burst to full port capacity (10 Gbps) and bundled with Router owned and managed by Level 3.			
34	InSBEP Additional Incremental Usage Charge over 9500 Mbps	Charge for bandwidth usage over Minimum Bandwidth Commitment.	X	IPS-CA-0634
	Bidder's Product Description: Per Mbps charge for bandwidth usage over 9500 Mbps			
35	InSBEP Minimum Bandwidth Commitment Ethernet 10000 Mbps	Ethernet minimum monthly bandwidth commitment charge. Includes Contractor owned, managed and maintained router.	X	IPS-CA-0635
	Bidder's Product Description: Internet Access Service with minimum bandwidth commit of 10000 Mbps and bundled with Router owned and managed by Level 3.			

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	x	x	x	x
2	Agoura Hills	x	x	x	x
3	Alameda	x	x	x	x
4	Albany	x	x	x	x
5	Alhambra	x	x	x	x
6	Aliso Viejo	x	x	x	x
7	Alturas	x	x	x	x
8	Amador	x	x	x	x
9	American Canyon	x	x	x	x
10	Anaheim	x	x	x	x
11	Anderson	x	x	x	x
12	Angels Camp	x	x	x	x
13	Antioch	x	x	x	x
14	Apple Valley	x	x	x	x
15	Arcadia	x	x	x	x
16	Arcata	x	x	x	x
17	Arroyo Grande	x	x	x	x
18	Artesia	x	x	x	x

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

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

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

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
94	Corte Madera	x	x	x	x
95	Costa Mesa	x	x	x	x
96	Cotati	x	x	x	x
97	Covina	x	x	x	x
98	Crescent City	x	x	x	x
99	Cudahy	x	x	x	x
100	Culver City	x	x	x	x
101	Cupertino	x	x	x	x
102	Cypress	x	x	x	x
103	Daly City	x	x	x	x
104	Dana Point	x	x	x	x
105	Danville	x	x	x	x
106	Davis	x	x	x	x
107	Del Mar	x	x	x	x
108	Del Rey Oaks	x	x	x	x
109	Delano	x	x	x	x
110	Desert Hot Springs	x	x	x	x
111	Diamond Bar	x	x	x	x
112	Dinuba	x	x	x	x
113	Dixon	x	x	x	x
114	Dorris	x	x	x	x
115	Dos Palos	x	x	x	x
116	Downey	x	x	x	x
117	Duarte	x	x	x	x
118	Dublin	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
119	Dunsmuir	x	x	x	x
120	East Palo Alto	x	x	x	x
121	El Cajon	x	x	x	x
122	El Centro	x	x	x	x
123	El Cerrito	x	x	x	x
124	El Monte	x	x	x	x
125	El Paso De Robles	x	x	x	x
126	El Segundo	x	x	x	x
127	Elk Grove	x	x	x	x
128	Emeryville	x	x	x	x
129	Encinitas	x	x	x	x
130	Escalon	x	x	x	x
131	Escondido	x	x	x	x
132	Etna	x	x	x	x
133	Eureka	x	x	x	x
134	Exeter	x	x	x	x
135	Fairfax	x	x	x	x
136	Fairfield	x	x	x	x
137	Farmersville	x	x	x	x
138	Ferndale	x	x	x	x
139	Fillmore	x	x	x	x
140	Firebaugh	x	x	x	x
141	Folsom	x	x	x	x
142	Fontana	x	x	x	x
143	Fort Bragg	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
144	Fort Jones	x	x	x	x
145	Fortuna	x	x	x	x
146	Foster City	x	x	x	x
147	Fountain Valley	x	x	x	x
148	Fowler	x	x	x	x
149	Fremont	x	x	x	x
150	Fresno	x	x	x	x
151	Fullerton	x	x	x	x
152	Galt	x	x	x	x
153	Garden Grove	x	x	x	x
154	Gardena	x	x	x	x
155	Gilroy	x	x	x	x
156	Glendale	x	x	x	x
157	Glendora	x	x	x	x
158	Goleta	x	x	x	x
159	Gonzales	x	x	x	x
160	Grand Terrace	x	x	x	x
161	Grass Valley	x	x	x	x
162	Greenfield	x	x	x	x
163	Gridley	x	x	x	x
164	Grover Beach	x	x	x	x
165	Guadalupe	x	x	x	x
166	Gustine	x	x	x	x
167	Half Moon Bay	x	x	x	x
168	Hanford	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
169	Hawaiian Gardens	X	X	X	X
170	Hawthorne	X	X	X	X
171	Hayward	X	X	X	X
172	Healdsburg	X	X	X	X
173	Hemet	X	X	X	X
174	Hercules	X	X	X	X
175	Hermosa Beach	X	X	X	X
176	Hesperia	X	X	X	X
177	Hidden Hills	X	X	X	X
178	Highland	X	X	X	X
179	Hillsborough	X	X	X	X
180	Hollister	X	X	X	X
181	Holtville	X	X	X	X
182	Hughson	X	X	X	X
183	Humboldt	X	X	X	X
184	Huntington Beach	X	X	X	X
185	Huntington Park	X	X	X	X
186	Huron	X	X	X	X
187	Imperial	X	X	X	X
188	Imperial Beach	X	X	X	X
189	Indian Wells	X	X	X	X
190	Indio	X	X	X	X
191	Industry	X	X	X	X
192	Inglewood	X	X	X	X
193	Inyo	X	X	X	X

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

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
219	Lake Elsinore	x	x	x	x
220	Lake Forest	x	x	x	x
221	Lakeport	x	x	x	x
222	Lakewood	x	x	x	x
223	Lancaster	x	x	x	x
224	Larkspur	x	x	x	x
225	Lassen	x	x	x	x
226	Lathrop	x	x	x	x
227	Lawndale	x	x	x	x
228	Lemon Grove	x	x	x	x
229	Lemoore	x	x	x	x
230	Lincoln	x	x	x	x
231	Lindsay	x	x	x	x
232	Live Oak	x	x	x	x
233	Livermore	x	x	x	x
234	Livingston	x	x	x	x
235	Lodi	x	x	x	x
236	Loma Linda	x	x	x	x
237	Lomita	x	x	x	x
238	Lompoc	x	x	x	x
239	Long Beach	x	x	x	x
240	Loomis	x	x	x	x
241	Los Alamitos	x	x	x	x
242	Los Altos	x	x	x	x
243	Los Altos Hills	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
244	Los Angeles	x	x	x	x
245	Los Banos	x	x	x	x
246	Los Gatos	x	x	x	x
247	Loyalton	x	x	x	x
248	Lynwood	x	x	x	x
249	Madera	x	x	x	x
250	Malibu	x	x	x	x
251	Mammoth Lakes	x	x	x	x
252	Manhattan Beach	x	x	x	x
253	Manteca	x	x	x	x
254	Maricopa	x	x	x	x
255	Marina	x	x	x	x
256	Martinez	x	x	x	x
257	Marysville	x	x	x	x
258	Maywood	x	x	x	x
259	McFarland	x	x	x	x
260	Mendota	x	x	x	x
261	Menlo Park	x	x	x	x
262	Merced	x	x	x	x
263	Mill Valley	x	x	x	x
264	Millbrae	x	x	x	x
265	Milpitas	x	x	x	x
266	Mission Viejo	x	x	x	x
267	Modesto	x	x	x	x
268	Monrovia	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
269	Montague	x	x	x	x
270	Montclair	x	x	x	x
271	Monte Sereno	x	x	x	x
272	Montebello	x	x	x	x
273	Monterey	x	x	x	x
274	Monterey Park	x	x	x	x
275	Moorpark	x	x	x	x
276	Moraga	x	x	x	x
277	Moreno Valley	x	x	x	x
278	Morgan Hill	x	x	x	x
279	Morro Bay	x	x	x	x
280	Mount Shasta	x	x	x	x
281	Mountain View	x	x	x	x
282	Murrieta	x	x	x	x
283	Napa	x	x	x	x
284	National City	x	x	x	x
285	Needles	x	x	x	x
286	Nevada City	x	x	x	x
287	Newark	x	x	x	x
288	Newman	x	x	x	x
289	Newport Beach	x	x	x	x
290	Norco	x	x	x	x
291	Norwalk	x	x	x	x
292	Novato	x	x	x	x
293	Oakdale	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
294	Oakland	x	x	x	x
295	Oakley	x	x	x	x
296	Oceanside	x	x	x	x
297	Ojai	x	x	x	x
298	Ontario	x	x	x	x
299	Orange	x	x	x	x
300	Orange Cove	x	x	x	x
301	Orinda	x	x	x	x
302	Orland	x	x	x	x
303	Oroville	x	x	x	x
304	Oxnard	x	x	x	x
305	Pacific Grove	x	x	x	x
306	Pacifica	x	x	x	x
307	Palm Desert	x	x	x	x
308	Palm Springs	x	x	x	x
309	Palmdale	x	x	x	x
310	Palo Alto	x	x	x	x
311	Palos Verdes Estates	x	x	x	x
312	Paradise	x	x	x	x
313	Paramount	x	x	x	x
314	Parlier	x	x	x	x
315	Pasadena	x	x	x	x
316	Patterson	x	x	x	x
317	Perris	x	x	x	x
318	Petaluma	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
319	Pico Rivera	x	x	x	x
320	Piedmont	x	x	x	x
321	Pinole	x	x	x	x
322	Pismo Beach	x	x	x	x
323	Pittsburg	x	x	x	x
324	Placentia	x	x	x	x
325	Placerville	x	x	x	x
326	Pleasant Hill	x	x	x	x
327	Pleasanton	x	x	x	x
328	Plymouth	x	x	x	x
329	Point Arena	x	x	x	x
330	Pomona	x	x	x	x
331	Port Hueneme	x	x	x	x
332	Porterville	x	x	x	x
333	Portola	x	x	x	x
334	Portola Valley	x	x	x	x
335	Poway	x	x	x	x
336	Rancho Cordova	x	x	x	x
337	Rancho Cucamonga	x	x	x	x
338	Rancho Mirage	x	x	x	x
339	Rancho Palos Verdes	x	x	x	x
340	Rancho Santa Margarita	x	x	x	x
341	Red Bluff	x	x	x	x
342	Redding	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
343	Redlands	x	x	x	x
344	Redondo Beach	x	x	x	x
345	Redwood City	x	x	x	x
346	Reedley	x	x	x	x
347	Rialto	x	x	x	x
348	Richmond	x	x	x	x
349	Ridgecrest	x	x	x	x
350	Rio Dell	x	x	x	x
351	Rio Vista	x	x	x	x
352	Ripon	x	x	x	x
353	Riverbank	x	x	x	x
354	Riverside	x	x	x	x
355	Rocklin	x	x	x	x
356	Rohnert Park	x	x	x	x
357	Rolling Hills	x	x	x	x
358	Rolling Hills Estates	x	x	x	x
359	Rosemead	x	x	x	x
360	Roseville	x	x	x	x
361	Ross	x	x	x	x
362	Sacramento	x	x	x	x
363	Salinas	x	x	x	x
364	San Anselmo	x	x	x	x
365	San Bernardino	x	x	x	x
366	San Bruno	x	x	x	x
367	San Buenaventura	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
368	San Carlos	x	x	x	x
369	San Clemente	x	x	x	x
370	San Diego	x	x	x	x
371	San Dimas	x	x	x	x
372	San Fernando	x	x	x	x
373	San Francisco	x	x	x	x
374	San Gabriel	x	x	x	x
375	San Jacinto	x	x	x	x
376	San Joaquin	x	x	x	x
377	San Jose	x	x	x	x
378	San Juan Bautista	x	x	x	x
379	San Juan Capistrano	x	x	x	x
380	San Leandro	x	x	x	x
381	San Luis Obispo	x	x	x	x
382	San Marcos	x	x	x	x
383	San Marino	x	x	x	x
384	San Mateo	x	x	x	x
385	San Pablo	x	x	x	x
386	San Rafael	x	x	x	x
387	San Ramon	x	x	x	x
388	Sand City	x	x	x	x
389	Sanger	x	x	x	x
390	Santa Ana	x	x	x	x
391	Santa Barbara	x	x	x	x
392	Santa Clara	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
393	Santa Clarita	x	x	x	x
394	Santa Cruz	x	x	x	x
395	Santa Fe Springs	x	x	x	x
396	Santa Maria	x	x	x	x
397	Santa Monica	x	x	x	x
398	Santa Paula	x	x	x	x
399	Santa Rosa	x	x	x	x
400	Santee	x	x	x	x
401	Saratoga	x	x	x	x
402	Sausalito	x	x	x	x
403	Scotts Valley	x	x	x	x
404	Seal Beach	x	x	x	x
405	Seaside	x	x	x	x
406	Sebastopol	x	x	x	x
407	Selma	x	x	x	x
408	Shafter	x	x	x	x
409	Shasta Lake	x	x	x	x
410	Sierra Madre	x	x	x	x
411	Signal Hill	x	x	x	x
412	Simi Valley	x	x	x	x
413	Solana Beach	x	x	x	x
414	Soledad	x	x	x	x
415	Solvang	x	x	x	x
416	Sonoma	x	x	x	x
417	Sonora	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
418	South El Monte	x	x	x	x
419	South Gate	x	x	x	x
420	South Lake Tahoe	x	x	x	x
421	South Pasadena	x	x	x	x
422	South San Francisco	x	x	x	x
423	St Helena	x	x	x	x
424	Stanton	x	x	x	x
425	Stockton	x	x	x	x
426	Suisun City	x	x	x	x
427	Sunnyvale	x	x	x	x
428	Susanville	x	x	x	x
429	Sutter Creek	x	x	x	x
430	Taft	x	x	x	x
431	Tehachapi	x	x	x	x
432	Tehama	x	x	x	x
433	Temecula	x	x	x	x
434	Temple City	x	x	x	x
435	Thousand Oaks	x	x	x	x
436	Tiburon	x	x	x	x
437	Torrance	x	x	x	x
438	Tracy	x	x	x	x
439	Trinidad	x	x	x	x
440	Truckee	x	x	x	x
441	Tulare	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
442	Tulelake	x	x	x	x
443	Turlock	x	x	x	x
444	Tustin	x	x	x	x
445	Twentynine Palms	x	x	x	x
446	Ukiah	x	x	x	x
447	Union City	x	x	x	x
448	Upland	x	x	x	x
449	Vacaville	x	x	x	x
450	Vallejo	x	x	x	x
451	Vernon	x	x	x	x
452	Victorville	x	x	x	x
453	Villa Park	x	x	x	x
454	Visalia	x	x	x	x
455	Vista	x	x	x	x
456	Walnut	x	x	x	x
457	Walnut Creek	x	x	x	x
458	Wasco	x	x	x	x
459	Waterford	x	x	x	x
460	Watsonville	x	x	x	x
461	Weed	x	x	x	x
462	West Covina	x	x	x	x
463	West Hollywood	x	x	x	x
464	West Los Angeles	x	x	x	x
465	West Sacramento	x	x	x	x

	Service Location	InFRa	InFRaM	InSBET/InSBEP	InSBET/InSBEPM
466	Westlake Village	X	X	X	X
467	Westminster	X	X	X	X
468	Westmorland	X	X	X	X
469	Wheatland	X	X	X	X
470	Whittier	X	X	X	X
471	Williams	X	X	X	X
472	Willits	X	X	X	X
473	Willows	X	X	X	X
474	Windsor	X	X	X	X
475	Winters	X	X	X	X
476	Woodlake	X	X	X	X
477	Woodland	X	X	X	X
478	Woodside	X	X	X	X
479	Yorba Linda	X	X	X	X
480	Yountville	X	X	X	X
481	Yreka	X	X	X	X
482	Yuba City	X	X	X	X
483	Yucaipa	X	X	X	X
484	Yucca Valley	X	X	X	X

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.

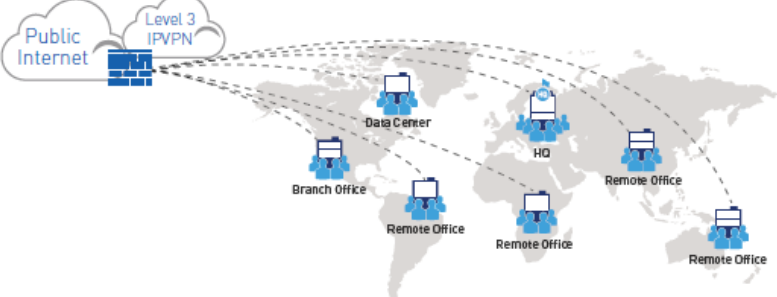
All Bidder equipment, tasks and services required for provisioning of the services shall be identified in Table 5.2.7.a.

Table 5.2.7.a – Additional Unsolicited Internet Services

	Feature Name	Feature Description	Bidder's Product Identifier
1	DDoS	Level 3 – DDoS Direct On-Demand – US (100 Mbps Clean Traffic)	IPS-CA-0637
	Bidder's Product Description: Level 3 Distributed Denial of Service Mitigation Level 3's DDoS mitigation solution is implemented using BGP route advertisements as a mechanism to re-route legitimate and attack traffic through the Level 3 Mitigation Infrastructure. Clean traffic is routed back to the Customer data center over IP VPN/EVPL logical connections between the Mitigation Infrastructure and Customer's border router(s). Level 3 is carrier-agnostic and will protect against attacks on any carrier's circuits at a specific site. Customers can enhance their cyber security strategy by utilizing a multi-layer approach, protecting attacks at all layers (including Layer 7, and SSL attack protection) either as a cloud based or a CPE based solution.		
2	DDoS	Level 3 – DDoS Direct On-Demand – US (200 Mbps Clean Traffic)	IPS-CA-0638
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
3	DDoS	Level 3 – DDoS Direct On-Demand – US (500 Mbps Clean Traffic)	IPS-CA-0639
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
4	DDoS	Level 3 – DDoS Direct On-Demand – US (1 GB Clean Traffic)	IPS-CA-0640
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		

	Feature Name	Feature Description	Bidder's Product Identifier
5	DDoS	Level 3 – DDoS Direct On-Demand – US (2 GB Clean Traffic)	IPS-CA-0641
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
6	DDoS	Level 3 – DDoS Direct On-Demand – US (3 GB Clean Traffic)	IPS-CA-0642
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
7	DDoS	Level 3 – DDoS Direct On-Demand – US (4 GB Clean Traffic)	IPS-CA-0643
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
8	DDoS	Level 3 – DDoS Direct On-Demand – US (5 GB Clean Traffic)	IPS-CA-0644
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
9	DDoS	Level 3 – DDoS Direct Always On – US (100 Mbps Clean Traffic)	IPS-CA-0645
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
10	DDoS	Level 3 – DDoS Direct Always On – US (200 Mbps Clean Traffic)	IPS-CA-0646
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
11	DDoS	Level 3 – DDoS Direct Always On – US (500 Mbps Clean Traffic)	IPS-CA-0647
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
12	DDoS	Level 3 – DDoS Direct Always On – US (1 GB Clean Traffic)	IPS-CA-0648
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		

	Feature Name	Feature Description	Bidder's Product Identifier
13	DDoS	Level 3 – DDoS Direct Always On – US (2 GB Clean Traffic)	IPS-CA-0649
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
14	DDoS	Level 3 – DDoS Direct Always On – US (3 GB Clean Traffic)	IPS-CA-0650
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
15	DDoS	Level 3 – DDoS Direct Always On – US (4 GB Clean Traffic)	IPS-CA-0651
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
16	DDoS	Level 3 – DDoS Direct Always On – US (5 GB Clean Traffic)	IPS-CA-0652
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
17	DDoS	Level 3 – DDoS Direct – FBM Monitoring	IPS-CA-0653
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
18	DDoS	Level 3 – DDoS Direct – Additional Protected Subnet (16/24 subnets)	IPS-CA-0654
	Bidder's Product Description: DDoS – Please see IPS-CA-637 for Product Description.		
19	MSS Firewall	Small Firewall	IPS-CA-0655
	Bidder's Product Description: Managed Security Services - Cloud (Secure Internet Gateway) Network-Based Firewall service provides highly secure connections for Level 3-provided transport customers along with a highly specialized staff to screen applications and administer firewalls, intrusion detection signatures, filters, patches and servers.		

	Feature Name	Feature Description	Bidder's Product Identifier
	 <p>Benefits:</p> <ul style="list-style-type: none"> • Eliminates the need to install customer premises firewalls and dedicated Internet connectivity at each of your locations • Helps increase the security of your Internet, Intranet and extranet environments • Provides central application of outbound or inbound/outbound security policies across your locations • Allows easy upgrade of bandwidth to and from the Internet as your company and traffic grows • Available globally to enable local exit points to the Internet 		
20	MSS Firewall	Small Firewall Intrusion Protection	IPS-CA-0656
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
21	MSS Firewall	Small Firewall Web Content Filtering	IPS-CA-0657
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
22	MSS Firewall	Small Firewall Anti-Virus	IPS-CA-0658
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
23	MSS Firewall	Small Firewall Anti-Spam	IPS-CA-0659
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		

	Feature Name	Feature Description	Bidder's Product Identifier
24	MSS Firewall	Medium Firewall	IPS-CA-0660
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
25	MSS Firewall	Medium Firewall Intrusion Prevention	IPS-CA-0661
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
26	MSS Firewall	Medium Firewall Web Content Filtering	IPS-CA-0662
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
27	MSS Firewall	Medium Firewall Anti-Virus	IPS-CA-0663
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
28	MSS Firewall	Medium Firewall Anti-Spam	IPS-CA-0664
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
29	MSS Firewall	Large Firewall	IPS-CA-0665
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
30	MSS Firewall	Large Firewall Intrusion Protection	IPS-CA-0666
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
31	MSS Firewall	Large Firewall Web Content Filtering	IPS-CA-0667
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		

	Feature Name	Feature Description	Bidder's Product Identifier
32	MSS Firewall	Large Firewall Anti-Virus	IPS-CA-0668
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
33	MSS Firewall	Large Firewall Anti-Spam	IPS-CA-0669
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
34	MSS Firewall	XL Firewall	IPS-CA-0670
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
35	MSS Firewall	XL Firewall Intrusion Protection	IPS-CA-0671
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
36	MSS Firewall	XL Firewall Web Content Filtering	IPS-CA-0672
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
37	MSS Firewall	XL Firewall Anti-Virus	IPS-CA-0673
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
38	MSS Firewall	XL Firewall Anti-Spam	IPS-CA-0674
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		
39	Changes first five free – charge per change after	Changes after first five free	IPS-CA-0675
	Bidder's Product Description: MSS Firewall – Please see IPS-CA-655 for Product Description.		

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:

Please see the map below.



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 ☒ 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 ☒ 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 ☒ 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?		Bidder's Product Identifier
			Y	N	
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.	X		OTH-CA-5401

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
	Bidder's Product Description: Extended Demarcation – Copper four-Pair – Regular Hours			
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.	X	OTH-CA-5402
	Bidder's Product Description: Extended Demarcation – Copper four-Pair - Overtime Hours Mon-Fri 5:00 pm to 7:59 am and all day Saturday			
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.	X	OTH-CA-5403
	Bidder's Product Description: Extended Demarcation – Copper four-Pair - any hours worked 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.	X	OTH-CA-5404
	Bidder's Product Description: Extended Demarcation – Copper 25 Pair – Regular Hours.			

	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.	X	OTH-CA-5405
Bidder's Product Description: Extended Demarcation – Copper 25 Pair - Overtime Hours Mon-Fri 5:00 pm to 7:59 am and all day Saturday				
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.	X	OTH-CA-5406
Bidder's Product Description: Extended Demarcation – Copper 25 Pair - any hours worked 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.	X	OTH-CA-5407

	Feature Name	Feature Description	Bidder Meets or Exceeds? Y N	Bidder's Product Identifier
Bidder's Product Description: Extended Demarcation – Optical Fiber Link– Regular Hours				
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.	X	OTH-CA-5408
Bidder's Product Description: Extended Demarcation – Optical Fiber Link- Overtime Hours Mon-Fri 5:00 pm to 7:59 am and all day Saturday				
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.	X	OTH-CA-5409
Bidder's Product Description: Extended Demarcation – Optical Fiber Link- any hours worked on Sunday or State of California holidays				

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

Table 5.4.2.b Unsolicited Extended Demarcation Wiring Services and Features

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

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 ☒ 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.	X	OTH-CA-5501
	Bidder's Product Description: Field Services Repair Technician Hours 8:00AM to 4:59PM, Monday through Friday.			
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.	X	OTH-CA-5502
	Bidder's Product Description: Field Service Repair Technician Overtime Hours Mon-Fri 5:00 pm to 7:59 am and all day Saturday			
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.	X	OTH-CA-5503
	Bidder's Product Description: Field Services Technician any hours worked 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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 ☒ 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.
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.

#	Stop Clock Condition (SCC)	SCC Definition
4	WIRING	Restoration cannot be achieved because the problem has been isolated to wiring that is not maintained by Contractor or any of its Subcontractors or Affiliates. If it is later determined the wiring is not the cause of failure, the SCC shall not apply.
5	POWER	Trouble caused by a power problem outside of the responsibility of the Contractor.
6	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: Access necessary to correct the problem is not available because access has not been arranged by site contact or End-User representative; Site contact refuses access to technician who displays proper identification; 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, 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.

#	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 ☒ 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)

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%	P
T3/FT3	≥ 99.7%	≥ 99.8%	≥ 99.9%	P
OCX/OCXc	≥ 99.7%	≥ 99.8%	≥ 99.9%	P
Ethernet 1 Mbps up to 1 GbE (Gigabit Ethernet)	≥ 99.2%	≥ 99.5%	≥ 99.8%	P
Ethernet 10 GbE	≥ 99.2%	≥ 99.5%	≥ 99.8%	P

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%:

Access SLA Objective Table 2 – Additional InFRa's		
	<i>Additional Network Side Interface</i>	Bidder's Objective Commitment (%)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

Rights and Remedies	Per Occurrence: N/A
	<p>Monthly Aggregated Measurements:</p> <p>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.</p> <p>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.</p> <p>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.</p>

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ No ☐

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	B
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 ☒ No ☐

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	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 2 fault			
	Monthly Aggregated Measurements: N/A			

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ No ☐

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 Service	Internet	≤ 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 ☒ No ☐

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 Service	Internet	16 hours	12 hours	8 hours	B
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 ☒ No ☐

5.5.8.6 Managed Service Proactive Notification (M-S)

SLA Name: Managed Service Proactive Notification	
<p>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.</p>	
<p>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.</p>	
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 ☒ No ☐

5.5.8.7 Notification

SLA Name: Notification	
<p>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.</p>	
<p>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.</p>	
Service(s): All Services	
<p>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.</p>	
Rights and Remedies	Per Occurrence: Senior Management Escalation
	Monthly Aggregated Measurements: N/A

Bidder understands the Requirement and shall meet or exceed it? Yes ☒ No ☐

5.5.8.8 Provisioning (M-S)

SLA Name: Provisioning		
<p>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).</p> <p>Provisioning SLAs have two (2) objectives:</p> <p>Objective 1: Individual Service Request; and</p> <p>Objective 2: Successful Install Monthly Percentage by Service Type.</p> <p>Note: Provisioning timelines include extended demarcation wiring, when appropriate.</p>		
<p>Measurement Process:</p> <p><u>Objective 1: Individual Service Request:</u> 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.</p> <p><u>Objective 2: Successful Install Monthly Percentage per service Type:</u> 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.</p>		
Service (Features must be installed in conjunction with the service except when listed below)	Committed Interval Calendar Days	
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

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 ☒ No ☐

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:					
		Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B or S)
Managed Service	Internet	6 hours	4 hours	N/A	B
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 ☒ 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 ☒ 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 ☒ 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 ☒ No ☐