INVITATION FOR BID

IFB C4DNCS19
Data Networks and Communications Services

CATEGORY 22 – CLOUD-HOSTED VOIP SERVICES

Charter Communications Operating, LLC

Statement of Work

TECHNICAL REQUIREMENTS

September 14, 2020

BAFO

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AMENDMENT LOG

Amendment #	Date	Amendment Description
6	03/19/2024	Changed Addendum Log to Amendment Log Added Headers Updated: Table 22.2.3.b - Unsolicited Cloud-Hosted VoIP Table 22.2.4.b – Unsolicited Additional Cloud-Hosted VoIP Services Table 22.2.5.b – Unsolicited International Off-Net Calling with Landline Termination Table 22.2.5.d – Unsolicited International Off-Net Calling with Mobile Termination Table 22.2.6.a – Voice Mail Services Table 22.2.6.b – Unsolicited Voice Mail Features Table 22.3.3.b – Unsolicited Migration Professional Services
7	08/08/2024	Updated: Table 22.2.3.b – Unsolicited Cloud-Hosted VoIP Service Package Features
8	1/28/25	Updated document header with Am 8 Updated Amendment Log with Am 8 content Updated Table of Contents Pagination Updated Table 22.2.3.a – Cloud Hosted VoIP Services Packages Added services, Table 22.2.3.b – Unsolicited Cloud-Hosted VoIP Service Package Features
11	3/24/2025	Updated: Table 22.2.4.1– Cloud-Hosted VoIP Services Site Survivability Network Failure. Table 22.3.3.a – Migration Professional Services. Table 22.3.3.b – Unsolicited Migration Professional Services

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TECHNICAL REQUIREMENTS

CATEGORY 22 – Cloud-Hosted VoIP Services

22.1 OVERVIEW

This Category 22 IFB C4DNCS19 (IFB) provides the State's solicitation for best value solutions for Cloud-Hosted VoIP Services. This IFB also describes the technical requirements necessary to support the CALNET program requirements.

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

22.1.1 Bidder Response Requirements

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

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

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

Or,

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

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

Bidder's Description:

Or,

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

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

22.1.2 Designation of Requirements

All Technical Requirements specified in this IFB are Mandatory and must be responded to as identified in IFB C4DNCS19 Part 1, SOW Mandatory Technical Requirements by the Bidder. Additionally, some Mandatory requirements are "Mandatory-Scorable" and are designated as "(M-S)".
Costs associated with services shall be included in the prices provided by the Bidder for the individual items included in the Category Cost Worksheets. Items not listed in the Category Cost Worksheets will not be billable by the Contractor. If additional unsolicited items include the features described in this IFB and are not included as billable in the Category Cost Worksheets, the cost associated with the features shall not be included in the unsolicited price.
Services and features included in the Category Cost Worksheets are those that the Bidder must provide. All Bidders must provide individual prices as indicated in the Category Cost Worksheets in the Bidder's Final Proposal. Items submitted with no price will be considered as offered at no cost.

22.1.3 Pacific Time Zone

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

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

22.2 CLOUD-HOSTED VOIP SERVICES

22.2.1 Cloud-Hosted VoIP Services Requirements

22.2.1.1 Hosted Services

- The Contractor's Cloud-Hosted VoIP Services shall be hosted by the Contractor with all components residing outside of the Customer's premises.

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

- The Contractor shall not use State property for the deployment, collocation, or supplementation of the Contractor's network signaling and management, call control and setup, or access to other Public Switched Telephone Network (PSTN) or VoIP network providers with the exception of equipment required to provide Site Survivability Network Failure as described in Section 22.2.4.1.

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

22.2.1.2 Logical Design

The Contractor's logical design for the Cloud-Hosted VoIP Services shall take into consideration telephony services that can be accessed both internally among directly-connected Customers and externally by remote End-Users.

22.2.1.2.1 Directly-Connected Customers

The Contractor shall only allow End-Users working within their Customer office location to access Cloud-Hosted VoIP Services over a CALNET Contractor's private network connection, as depicted in Figure 22.2.1.2.

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

22.2.1.2.2 Remote End-Users

The Cloud-Hosted VoIP Services shall allow Remote End-Users working outside of their Customer office location to access Cloud-Hosted VoIP Services over a public internet connection, as depicted in Figure 22.2.1.2.

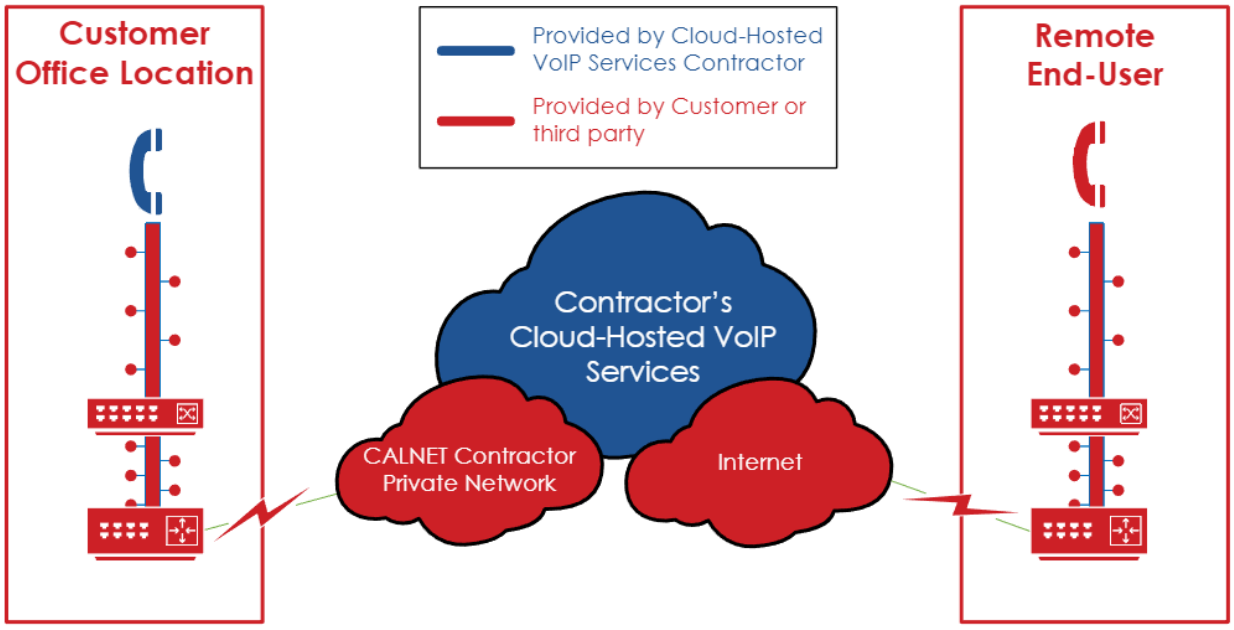
Bidder understands the Requirement and shall meet or exceed it? Yes

22.2.1.2.3 LAN and WAN Access

All LAN and WAN functionality, components, cabling, equipment, and remediation shall be the responsibility of the Customer and shall be acquired elsewhere, as depicted in Figure 22.2.1.2.

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

Figure 22.2.1.2 Cloud-Hosted VoIP Services Logical Design



22.2.1.3 Cloud-Hosted VoIP Services Connectivity Diagrams

The Bidder shall provide electronic connectivity diagrams with their proposal. The electronic drawings shall be in .dwg, .dfx, .vsd, .pdf, or any mutually agreed format. Connectivity diagrams shall include logical representations of all critical elements, including where services are hosted and how access to the PSTN is provided.

The Contractor shall provide revisions or hard copies upon CALNET Program request.

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

22.2.1.4 Cloud-Hosted VoIP Services Implementation

22.2.1.4.1 Cloud-Hosted VoIP Services Site Survey

The Contractor shall provide a Site Survey Analysis to the Customer included in the nonrecurring Cloud-Hosted VoIP Service Package per seat price. The Contractor's Site Survey Analysis shall identify the steps required to facilitate a successful Cloud-Hosted VoIP Services implementation and identify the steps required to correct any deficiencies.

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

The Contractor's Site Survey shall include, at a minimum, the following details:

1. Customer site bandwidth requirements;
2. Customer LAN and WAN routing requirements;
3. Customer LAN and WAN security requirements;
4. Customer site wiring requirements; and,
5. Quality of Service (QoS) requirements, including configuration options, traffic prioritization, and queuing methods.

The Contractor shall describe anything else included in their Site Survey.

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

Bidder's Description: Yes, Spectrum's site survey includes the required details.

22.2.1.4.2 Implementation Schedule

The Contractor shall provide the Customer with an Implementation Schedule for completing the installation of the Cloud-Hosted VoIP Services. The Implementation Schedule shall include milestones for all facets of the engineering, implementation, and testing activities required to implement the Cloud-Hosted VoIP Services.

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

22.2.1.4.3 Testing and Acceptance

The Contractor shall execute acceptance testing in accordance with the Testing and Acceptance Plan.

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

22.2.1.4.3.1 Testing and Acceptance Plan

The Contractor shall create a Testing and Acceptance Plan, approved by the Customer, prior to performing any testing activities. The Testing and Acceptance Plan shall outline the testing activities to be performed, describe roles and responsibilities, and define acceptance criteria.

The Contractor shall provide the Customer with an updated Testing and Acceptance Plan upon completion of each testing activity.

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

22.2.1.5 Cloud-Hosted VoIP Services Security

22.2.1.5.1 Network Security

The Contractor shall implement security measures that detect and prevent unauthorized access to the network, Telephony Denial of Service (TDoS) Denial of Service (DoS), and Man-in-the-Middle (MITM) attacks.

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

22.2.1.5.2 Physical Security

The Contractor shall comply with all 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

22.2.1.5.3 Data Breach Reporting

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

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

22.2.1.6 Emergency Services

The Contractor shall comply with Federal Communications Commission (FCC) emergency service requirements, including Enhanced 911 (E911), Kari's Law, and the Ray Baum's Act, to identify the location of an originating station and route the call to the appropriate Public Safety Answering Point (PSAP).

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

22.2.1.6.1 Enhanced 911 Database Updates

The Contractor shall be responsible for updating the E911 database when notified End-User equipment is moving to a new location with a different street address and Local Area Network.

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

22.2.1.6.1.1 Dynamic Location Mapping

The Contractor shall provide Customers with a solution to map logical network attributes (e.g. port, subnet, VLAN, Wireless AP, etc.) to dispatchable locations. Dispatchable locations shall include the street address and additional information such as room number, floor number, or other information necessary to identify the location of the calling party.

The Bidder shall describe their Dynamic Location Mapping solution in the Bidder's Description. The Bidder's Description shall be no more than three pages and must include a technical description of the following items.

1. How the Bidder's solution will allow a Customer to configure dispatchable locations. This description should include the level of detail that can be configured in terms of dispatchable locations and network attributes.
2. How the Bidder's solution will provide a dispatchable location to the PSAP when an End-User dials 911.

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

Bidder's Description: There are 2 methods to configure a dispatchable location. The Customer Admin has the ability to define locations (street address, more granular information) in the Admin portals provided to manage the service, devices, and users. Each device / user needs to be assigned to a defined location. The End User has the ability to enter specific address they may be working at (typically home) through the soft client. Up to 10 frequently used addresses are retained by the application and end user has ability to define a new address on demand (e.g. coffee shop).

When an end user dials 911, the RingCentral platform will route the call to the PSAP that supports the dispatchable location which was entered by the end user.

22.2.1.6.1.2 Remote End-User Location Mapping

All mobility solutions provided by the Contractor shall automatically locate remote End-Users based on the most accurate location data available. Location data sources may include, but are not limited to, GPS, Wi-Fi, Bluetooth, and mobile networks.

In situations where location data is not available, the Contractor's solution shall require the End-User to immediately designate their physical location upon connecting to an unknown network.

The Bidder shall describe their Remote End-User Location Mapping solution in the Bidder's Description. The Bidder's Description shall be no more than three pages and must include a technical description of the following items.

1. How the Bidder's solution will determine the most accurate location data available. The Bidder must include device-specific detail if determining location varies across different types of devices.
2. How the Bidder's solution will require the End-User to immediately designate their physical location. The Bidder must demonstrate how End-Users are able to designate their physical location within the softphone application. Requiring an End-User to call in or use a separate portal to designate their location is not an acceptable solution.
3. Any other means used to pass the End-User's dispatchable location to the PSAP.

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

Bidder's Description: The UC with RingCentral soft client provided is either assigned to a pre-defined address or recognizes it is at a different address and prompts the user to enter the address information. The application will not allow calling until the user enters a valid address.

22.2.1.7 Softphone Support

The Contractor shall support softphone applications for personal computers and mobile devices that allow End-Users to place and receive calls without a dedicated telephone.

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

22.2.1.8 Software Updates

The Contractor shall provide all software and ongoing software patches or upgrades required to deliver the Cloud-Hosted VoIP Services.

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

22.2.1.9 Interoperability with Other CALNET Technologies

If the Contractor is awarded a CALNET Contract for Converged VoIP services, SIP Trunking services, or Standalone VoIP services, this Cloud-Hosted VoIP Services shall be interoperable with the other services and the State shall not incur any charges for calls between these services.

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

22.2.1.10 On-Net Calling

The Contractor's Cloud-Hosted VoIP Services shall provide unlimited On-Net calling for both domestic and international calls at no additional charge. On-net calling is defined as calling from an End-User who uses the Contractor's Cloud-Hosted VoIP Services to another End-User who uses the Contractor's Cloud-Hosted VoIP Services. If the Contractor offers SIP Trunking, Converged VoIP, or Standalone VoIP under another CALNET contract, Cloud-Hosted VoIP Services calls terminating at such a site shall be considered On-Net.

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

22.2.1.11 Off-Net Calling

The Contractor's Cloud-Hosted VoIP Services shall provide Off-Net calling within the 50 United States, the District of Columbia, the Virgin Islands, and Puerto Rico at no additional charge.

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

22.2.1.12 Mobile Integration

Mobile Integration provides End-Users with a single identity that lets them handle calls with equal ease via any Endpoint Device.

22.2.1.12.1 Mobile Device APIs

If the Contractor's Cloud-Hosted VoIP Services integrate with other call-related apps on mobile devices, the Contractor shall utilize Apple CallKit and/or Google ConnectionService Application Programming Interfaces (APIs).

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

22.2.1.12.2 Ongoing Call Transfer

The Contractor's Cloud-Hosted VoIP Services shall allow End-Users to transfer an ongoing call between a mobile phone, softphone, or desktop phone.

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

22.2.1.12.3 Find Me/Follow Me

The Contractor's Cloud-Hosted VoIP Services shall allow End-Users to configure incoming calls to ring multiple phones simultaneously or sequentially. End-Users may designate mobile phones, softphones, and/or desktop phones to participate in Find Me Follow Me Call Forwarding.

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

22.2.1.13 Cloud-Hosted VoIP Services Minimum Features

The Contractor shall provide the following features included in the Cloud-Hosted VoIP Service Packages.

22.2.1.13.1 Audio Compression Format

The Contractor's Cloud-Hosted VoIP Services shall utilize low-latency audio codecs (e.g., Internet Low Bit Rate Codec (iLBC), Opus, etc).

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

22.2.1.13.2 Number Portability

The Contractor shall comply with the Local Number Portability (LNP) regulations set forth by the Federal Communications Commission (FCC).

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

22.2.1.13.3 Call Quality

The Contractor's Cloud-Hosted VoIP Services call quality shall have a Mean Opinion Score (MOS) of 3.7 or higher.

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

22.2.1.13.4 Facsimile over Internet Protocol Support

The Contractor shall support Facsimile over Internet Protocol (FoIP) as a hosted service.

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

22.2.1.13.5 9XX Blocking

The Contractor shall not process any calls to or from 9xx-xxx-xxxx numbers.

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

22.2.1.13.6 Auto Attendant

The Contractor's Cloud-Hosted VoIP Services shall allow Customers to configure and modify an Auto Attendant service that automatically answers incoming calls within a predefined number of rings without assistance from a live attendant.

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

22.2.1.13.7 Call Hold

The Contractor's Cloud-Hosted VoIP Services shall allow an End-User to put a caller on hold and retrieve them from the hold state.

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

22.2.1.13.8 Call Notify

The Contractor's Cloud-Hosted VoIP Services shall allow an End-User to define criteria that causes missed calls to initiate an email notification.

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

22.2.1.13.9 Call Park

The Contractor's Cloud-Hosted VoIP Services shall allow a call to be parked at an End-User's number for retrieval by another End-User line. This capability shall be administered on an individual station basis according to the Customer's needs.

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

22.2.1.13.10 Conference

The Contractor's Cloud-Hosted VoIP Services shall allow an End-User to establish a multiparty conference connection of a minimum of three conferees, including themselves, without attendant assistance.

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

22.2.1.13.11 Call Waiting

The Contractor's Cloud-Hosted VoIP Services shall alert the End-User to a second incoming call when the End-User is currently engaged in a call.

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

22.2.1.13.12 Caller ID

The Contractor's Cloud-Hosted VoIP Services shall display the phone number of the calling party on the End-User's Endpoint Device.

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

22.2.1.13.13 Conference Bridge

The Contractor's Cloud-Hosted VoIP Services shall allow callers from diverse locations and platforms to dial into a specified telephone number to participate in a conference call.

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

22.2.1.13.14 Direct Inward Dial

The Contractor's Cloud-Hosted VoIP Services shall allow Direct Inward Dial (DID), including single line appearance.

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

22.2.1.13.15 Directory Phone Display

The Contractor's Cloud-Hosted VoIP Services shall display a directory of the Customer's End-Users via the Endpoint Device.

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

22.2.1.13.16 Extension Dialing

The Contractor's Cloud-Hosted VoIP Services shall allow an End-User to reach all other On-Net End-Users within the same Customer by dialing the fewest number of digits, taking into account size of deployment, number contention, and E911 emergency requirements.

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

22.2.1.13.17 Group Pickup

The Contractor's Cloud-Hosted VoIP Services shall allow an incoming call to be picked up from any one of a predefined group of Endpoint Devices.

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

22.2.1.13.18 Hunt Groups

The Contractor's Cloud-Hosted VoIP Services shall allow inbound calls to be routed to a predetermined sequence of telephone numbers until it is answered.

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

22.2.1.13.19 Message Waiting Indicator

The Contractor's Cloud-Hosted VoIP Services shall provide a visual indication on an Endpoint Device that a message is in queue for review.

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

22.2.1.13.20 Multi-Line Appearance

The Contractor's Cloud-Hosted VoIP Services shall allow multiple line appearances on an End-User's Endpoint Device.

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

22.2.1.13.21 Redial

The Contractor's Cloud-Hosted VoIP Services shall allow an End-User to automatically originate a call to the last number dialed from their Endpoint Device.

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

22.2.1.13.22 Unified Messaging

The Contractor's Cloud-Hosted VoIP Services shall provide End-Users access to voicemail and fax messages through the same inbox or interface as the Customer's email client. The Bidder shall identify which email clients are supported by their Cloud-Hosted VoIP Services in the Bidder's Description.

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

Bidder's Description: Yes, a user can receive notifications to their email that they have received a voicemail and/or fax. Any valid email address and client that is capable of playing a WAV (voicemail) and/or PDF (fax document) file.

22.2.2 Desktop Handsets

The Contractor shall make Desktop Handsets available as part of the Cloud-Hosted VoIP Service Packages described in Section 22.2.3. Desktop Handsets shall be provided by the Contractor, but will connect directly to the Customer’s LAN infrastructure.

Desktop Handsets shall be available in the configurations defined below.

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

22.2.2.1 Standard Handset Features

Standard handsets shall include the following features:

1. Single line;
2. LCD Display;
3. Full Duplex Hands Free Speakerphone;
4. Visual message waiting indicator;
5. Ring volume control;
6. Minimum of three programmable function keys or a soft key interface;
7. Single Ethernet port;
8. ADA Compliant Section 508;
9. Power over Ethernet (PoE) Support; and,
10. Alternating Current (AC) power supply.

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

22.2.2.2 Midrange Handset Features

Midrange handsets shall include the following features in addition to the standard handset features described in Section 22.2.2.1:

1. Minimum three lines;
2. Intercom feature;
3. Two Ethernet Ports;
4. 3 Way conferencing; and,
5. End-User Configurable Contact Directory.

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

22.2.2.3 Attendant Handset Features

Attendant handsets shall include the following features in addition to the midrange handset features described in Section 22.2.2.2:

1. Minimum of six lines;
2. Expansion Module(s) capability; and,
3. Directory integration.

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

22.2.2.4 Conference Room Speakerphone Features

Conference room speakerphones shall include the following features:

1. Full duplex;
2. Expansion microphone compatible;
3. Ethernet Connection;
4. LCD display;
5. Lightweight Directory Access Protocol (LDAP) and/or Active Directory (AD) integration;
6. PoE Support; and,
7. AC Power Supply.

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

22.2.3 Cloud-Hosted VoIP Service Packages

The Contractor shall provide the following five per-seat pricing options.

1. Cloud-Hosted VoIP Service package that includes a Standard Handset.
2. Cloud-Hosted VoIP Service package that includes a Midrange Handset.
3. Cloud-Hosted VoIP Service package that includes an Attendant Handset.
4. Cloud-Hosted VoIP Service package that includes a Conference Room Speakerphone.
5. Cloud-Hosted VoIP Service package that does not include a Desktop Handset. This package is for End-Users who are working remotely or wish to enhance existing CALNET VoIP services where Desktop Handsets are already present.

The Bidder shall provide the Cloud-Hosted VoIP Service Packages described in Table 22.2.3.a

Table 22.2.3.a – Cloud-Hosted VoIP Service Packages

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
1	Cloud-Hosted VoIP Service Package with Standard Handset	Cloud-Hosted VoIP Service package that includes a Standard Handset as described in Section 22.2.2.1.	Poly VVX 250- 4 line desktop with HD voice, GigE ports Cisco CP6821- 2 lines, grayscale display or equivalent models	22.UCRC.SH	Yes
2	Cloud-Hosted VoIP Service Package with Midrange Handset	Cloud-Hosted VoIP Service package that includes a Midrange Handset as described in Section 22.2.2.2.	Poly VVX 450- 12 lines w/ HD Voice, GigE ports Cisco CP7841- 4 lines keys, 3.5" grayscale display or equivalent models	22.UCRC.MH	**Yes**
3	Cloud-Hosted VoIP Service Package with Attendant Handset	Cloud-Hosted VoIP Service package that includes an Attendant Handset as described in Section 22.2.2.3.	Poly VVX 450 w/ EM-includes Expansion Module that adds 30 multi-functional keys Cisco CP 8851 w/ 1 EXP Module- includes 1 expansion module with programmable buttons.	22.UCRC.AH	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			Cisco CP 8851 w/ 2 EXP Modules- includes 2 expansion modules with programmable buttons or equivalent models.		
4	Cloud-Hosted VoIP Service Package with Conference Room Speakerphone	Cloud-Hosted VoIP Service package that includes a Conference Room Speakerphone as described in Section 22.2.2.4.	Poly Trio 8300 Poly Trio C60	22.UCRC.CRS	**Yes**
5	Cloud-Hosted VoIP Service Package Without Desktop Handset	Cloud-Hosted VoIP Service package that does not include a Desktop Handset.	RingCentral Desktop App. RingCentral Mobile app for IOS and Android.	22.UCRC.WO.DH	**Yes**

The Contractor may offer additional Unsolicited Cloud-Hosted VoIP Service Package features in Table 22.2.3.b.

Table 22.2.3.b – Unsolicited Cloud-Hosted VoIP Service Package Features

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
1	Large Meeting Upgrade (200)	22.UCRC.LMU	Provides up to 200 participants to a user's video conference

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
2	Limited Extension Seat	22.UCRC.LES	Intended for unassigned applications (lobbies, wall phones, etc.)
3	Live Reports	22.UCRC.LR	Inbound/outbound calls include usage analysis with filtering options. License required for each user being monitored and each user with monitoring capability.
4	Rooms License	22.UCRC.RL	License for videoconferencing room systems running on RingCentral video meetings platform.
5	Rooms Connector	22.UCRC.RC	License to connect third party SIP based hardware to RingCentral video meetings platform
6	Toll Free Number	22.UCRC.TFN	For Toll Free Numbers, does not include usage.
7	Additional Telephone Numbers	22.UCRC.ATN	Per TN not assigned to a seat/application
8	Hot Desking	22.UCRC.HD	Permits common phones to be used by end users. Requires hot desking position to have compatible seat
9	Premium Seat	22.UCRC.PS	Supports additional features in support of analytics and reporting.
10	Toll Free Usage - UC with RingCentral	22.UCRC.TFU	Inbound Toll Free usage is charged per minute. A Toll Free Number (22.UCRC.TFN) is required to receive Toll Free calls.
11	Directory Assistance Usage - UC with RingCentral	22.UCRC.DAU	A call to Directory Assistance is charged on a per call basis. Other operative services including collect calls are not included.
12	Limited Extension Seat with Standard Handset	22.UCRC.LESSH	Cisco CP 6821 standard phone. Or equivalent models
13	Premium Seat with Standard Handset	22.UCRC.PSSH	GigE ports, Cisco CP6821- 2 lines, grayscale display. Or equivalent models

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
14	Premium Seat with Midrange Handset	22.UCRC.MHSH	Poly Edge E350/GigE ports Cisco CP7841 – 8 line desktop phone with HD Voice, BlueTooth and Wi-Fi. Or equivalent models
15	Premium Seat with Attendant Handset	22.UCRC.AHSH	"Poly Edge E450 w 1 Expansion Module/Cisco CP 8851 w. 1 expansion – 8 line primary screen + 6 line secondary screen desktop phone with HD voice, Bluetooth, WiFi and 1 Expansion Module. Or equivalent models
16	Premium Seat with Attendant Handset2	22.UCRC.AHSH2	Poly Edge E550 w 1 Expansion Module//Cisco CP 8851 w. 2 expansion – 12 line primary screen desktop phone with HD voice, Bluetooth, WiFi and 1 Expansion Module. Or equivalent models
17	Push To Talk Feature	22.UCRC.PTT	Sold per Seat (assigned User). On the RingCentral mobile app, allows for instant voice communicaiton with team using channels. Acts like a walkie-talkie device

22.2.4 Additional Cloud-Hosted VoIP Services

The Contractor shall provide the additional Cloud-Hosted VoIP services and features described below.

22.2.4.1 Cloud-Hosted VoIP Services Site Survivability Network Failure

The Contractor shall provide Standalone VoIP Site Survivability in the event of a network failure. The Contractor's Site Survivability options shall maintain station-to-station calling functionality for all handsets on premises. The Contractor's Site Survivability options shall be configured to allow the number of concurrent calls to outside lines specified by the Feature Descriptions in Table 22.2.4.a.

The Contractor is not required to include the backup circuit or wireless connection in their Site Survivability options.

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

Failure of a Customer to select this option does not release the Contractor from its SLA obligations as described in the Availability SLAs Section.

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

Site Survivability Network Failure is for backup purposes only. The Contractor shall only offer this service in conjunction with a Cloud-Hosted VoIP Service Package. The Contractor shall only utilize on premise connections to the PSTN in the event of a Cloud-Hosted VoIP Services failure.

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

The Contractor shall only route traffic originating from the locally served Customer of record.

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

The Cloud-Hosted VoIP Services Site Survivability Network Failure solution shall provide alarm notification by electronic means to the CALNET Program whenever traffic routes through the site survivability option.

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

This service is exempt from the provisions of Section 22.2.1.1 Hosted Services.

The Bidder shall describe the Network Failure Site Survivability solution that will be used to satisfy this requirement.

Any additional Bidder proposed unsolicited site survivability solutions must conform to these requirements and will fall under the SLA's established in the Service Level Agreements Section.

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

Bidder's Description: The UC with RingCentral solution can support survivability with the appropriately sized secondary and tertiary (if desired) Internet access. Charter Communications will provide recommendations on IP routing rules and the appropriate bandwidth size based on the amount of users at the location.

22.2.4.2 Direct Inward Dial Number Reservation

The Contractor shall provide an option that allows the Customer to purchase an additional block of twenty DID numbers for future

requirements. The charge shall only apply for the reservation of the block of numbers. Upon utilization of all twenty reserved DIDs, this charge shall be terminated.

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

The Bidder shall provide the Additional Cloud-Hosted VoIP Services described in Table 22.2.4.a

Table 22.2.4.a – Additional Cloud-Hosted VoIP Services

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
1	Cloud-Hosted VoIP Services Small Site Survivability Network Failure	Site Survivability option for a site with 100 Endpoint Devices and 15 concurrent calls to outside lines.	Backup circuit or wireless connection provided separately for Cloud Hosted VoIP Site Survivability.	22.CHVS.SSS.NF	Yes
2	Cloud-Hosted VoIP Services Medium Site Survivability Network Failure	Site Survivability option for a site with 500 Endpoint Devices and 75 concurrent calls to outside lines.	Backup circuit or wireless connection provided separately for Cloud Hosted VoIP Site Survivability.	22.CHVS.MSS.NF	Yes
3	Cloud-Hosted VoIP Services Large Site Survivability Network Failure	Site Survivability option for a site with 1000 Endpoint Devices and 150 concurrent	Backup circuit or wireless connection provided separately for Cloud Hosted VoIP Site Survivability.	22.CHVS.LSS.NF	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
		calls to outside lines.			
4	Direct Inward Dial Number Reservation	Block of 20 DID numbers held in reserve.	Can be done at a cost per number-see Unsolicited Cloud-Hosted VoIP Packages.	22.DI.DNR	**Yes**

The Contractor may offer Unsolicited Additional Cloud-Hosted VoIP Services in Table 22.2.4.b.

Table 22.2.4.b – Unsolicited Additional Cloud-Hosted VoIP Services

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
1			
2			
3			

22.2.5 International Off-Net Calling

The Contractor shall provide international off-net calling to the countries listed in Table 22.2.5.a. The Bidder's rates as provided in the Category Cost Worksheets shall be based on end-point termination (landline or mobile). If the Contractor charges the same rate for both landline and mobile termination, the Bidder may use the same Product Identifier for both products. All usage shall be billed in accordance with SOW Business Requirements Section G.6.1 (Billing and Invoicing Requirements).

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

22.2.5.1 United States Based Services Waiver

The Provisions detailed in General Provisions – eVAQ, Section 92, (U.S. Based Services) will not apply to the Contractor's International Long Distance Calling Services.

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

Table 22.2.5.a – International Off-Net Calling with Landline Termination

Line Item	Country	Landline Termination Product Identifier	Bidder Meets or Exceeds? Yes or No.
1	Brazil	BR.LL	Yes
2	Canada	CA.LL	**Yes**
3	China	CN.LL	**Yes**
4	France	FR.LL	Yes
5	Germany	DE.LL	Yes
6	Israel	IL.LL	Yes
7	Italy	IT.LL	Yes
8	Japan	JP.LL	Yes
9	Korea	SK.LL	Yes
10	Mexico	MX.LL	Yes
11	Spain	ES.LL	Yes
12	Switzerland	CH.LL	Yes
13	United Kingdom	UK.LL	Yes

The Contractor may offer International Off-Net Calling with Landline Termination to unsolicited countries in Table 22.2.5.b.

Table 22.2.5.b – Unsolicited International Off-Net Calling with Landline Termination

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
1	Afghanistan		AF.LL
2	Albania		AL.LL
3	Algeria		DZ.LL
4	American Samoa		AS.LL
5	Andorra		AD.LL
6	Angola		AO.LL
7	Anguilla		AI.LL
8	Antarctica		AQ.LL
9	Antigua and Barbuda		AG.LL
10	Argentina		AR.LL
11	Armenia		AM.LL
12	Aruba		AW.LL
13	Ascension Island		AC.LL
14	Australia		AU.LL
15	Austria		AT.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
16	Azerbaijan		AZ.LL
17	Bahamas		BS.LL
18	Bahrain		BH.LL
19	Bangladesh		BD.LL
20	Barbados		BB.LL
21	Belarus		BY.LL
22	Belgium		BE.LL
23	Belize		BZ.LL
24	Benin		BJ.LL
25	Bermuda		BM.LL
26	Bhutan		BT.LL
27	Bolivia		BO.LL
28	Bosnia and Herzegovina		BA.LL
29	Botswana		BW.LL
30	Brunei Darussalam		BN.LL
31	Bulgaria		BG.LL
32	Burkina Faso		BF.LL
33	Burundi		BI.LL
34	Cambodia		KH.LL
35	Cameroon		CM.LL
36	Cape Verde		CV.LL
37	Cayman Islands		KY.LL
38	Central African Republic		CF.LL
39	Chad		TD.LL
40	Chile		CL.LL
41	Colombia		CO.LL
42	Comoros		KM.LL
43	Congo		CG.LL
44	Congo, Democratic Republic		CD.LL
45	Cook Islands		CK.LL
46	Costa Rica		CR.LL
47	Croatia		HR.LL
48	Cuba		CU.LL
49	Cyprus		CY.LL
50	Czech Republic		CZ.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
51	Denmark		DK.LL
52	Diego Garcia		DG.LL
53	Djibouti		DJ.LL
54	Dominica		DM.LL
55	Dominican Republic		DO.LL
56	Ecuador		EC.LL
57	Egypt		EG.LL
58	El Salvador		SV.LL
59	Ellipso Satellite System		ESS.LL
60	Emsat		EMS.LL
61	Equatorial Guinea		GQ.LL
62	Eritrea		ER.LL
63	Estonia		EE.LL
64	Ethiopia		ET.LL
65	Falkland Islands (Malvinas)		FK.LL
66	Faroe Islands		FO.LL
67	Fiji		FJ.LL
68	Finland		FI.LL
69	French Guiana		GF.LL
70	French Polynesia		PF.LL
71	Gabon		GA.LL
72	Gambia		GM.LL
73	Georgia		GE.LL
74	Ghana		GH.LL
75	Gibraltar		GI.LL
76	Globalstar		GBS.LL
77	Greece		GR.LL
78	Greenland		GL.LL
79	Grenada		GD.LL
80	Guadeloupe		GP.LL
81	Guam		GU.LL
82	Guatemala		GT.LL
83	Guinea		GN.LL
84	Guinea-Bissau		GW.LL
85	Guyana		GY.LL
86	Haiti		HT.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
87	Honduras		HN.LL
88	Hong Kong		HK.LL
89	Hungary		HU.LL
90	Iceland		IS.LL
91	ICO Global		ICO.LL
92	India		IN.LL
93	Indonesia		ID.LL
94	Inmarsat		INM.LL
95	International Networks		INN.LL
96	Iran		IR.LL
97	Iraq		IQ.LL
98	Ireland		IE.LL
99	Iridium		IRD.LL
100	Ivory Coast		CI.LL
101	Jamaica		JM.LL
102	Jordan		JO.LL
103	Kazakhstan		KZ.LL
104	Kenya		KE.LL
105	Kiribati		KI.LL
106	Kosovo		XK.LL
107	Kuwait		KW.LL
108	Kyrgyzstan		KG.LL
109	Laos		LA.LL
110	Latvia		LV.LL
111	Lebanon		LB.LL
112	Lesotho		LS.LL
113	Liberia		LR.LL
114	Libya		LY.LL
115	Liechtenstein		LI.LL
116	Lithuania		LT.LL
117	Luxembourg		LU.LL
118	Macao		MO.LL
119	Macedonia		MK.LL
120	Madagascar		MG.LL
121	Malawi		MW.LL
122	Malaysia		MY.LL
123	Maldives		MV.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
124	Mali		ML.LL
125	Malta		MT.LL
126	Marshall Islands		MH.LL
127	Martinique		MQ.LL
128	Mauritania		MR.LL
129	Mauritius		MU.LL
130	Mayotte		YT.LL
131	MCP Network		MCP.LL
132	Micronesia, Federated States		FM.LL
133	Moldova		MD.LL
134	Monaco		MC.LL
135	Mongolia		MN.LL
136	Montenegro		ME.LL
137	Montserrat		MS.LL
138	Morocco		MA.LL
139	Mozambique		MZ.LL
140	Myanmar		MM.LL
141	Namibia		NA.LL
142	Nauru		NR.LL
143	Nepal		NP.LL
144	Netherlands		NL.LL
145	Netherlands Antilles		AN.LL
146	New Caledonia		NC.LL
147	New Zealand		NZ.LL
148	Nicaragua		NI.LL
149	Niger		NE.LL
150	Nigeria		NG.LL
151	Niue		NU.LL
152	Norfolk Island		NF.LL
153	North Korea		KP.LL
154	Northern Mariana Islands		MP.LL
155	Norway		NO.LL
156	Oman		OM.LL
157	Pakistan		PK.LL
158	Palau		PW.LL
159	Palestinian Territory		PS.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
160	Panama		PA.LL
161	Papua New Guinea		PG.LL
162	Paraguay		PY.LL
163	Peru		PE.LL
164	Philippines		PH.LL
165	Poland		PL.LL
166	Portugal		PT.LL
167	Qatar		QA.LL
168	Reunion		RE.LL
169	Romania		RO.LL
170	Russia		RU.LL
171	Rwanda		RW.LL
172	Saint Helena		SH.LL
173	Saint Kitts and Nevis		KN.LL
174	Saint Lucia		LC.LL
175	Saint Pierre and Miquelon		PM.LL
176	Saint Vincent and the Grenadines		VC.LL
177	Samoa		WS.LL
178	San Marino		SM.LL
179	Sao Tome and Principe		ST.LL
180	Satellite		SAT.LL
181	Saudi Arabia		SA.LL
182	Senegal		SN.LL
183	Serbia		RS.LL
184	Seychelles		SC.LL
185	Sierra Leone		SL.LL
186	Singapore		SG.LL
187	Sint Maarten		SX.LL
188	SITAONAIR		SIT.LL
189	Slovakia		SK.LL
190	Slovenia		SI.LL
191	Solomon Islands		SB.LL
192	Somalia		SO.LL
193	South Africa		ZA.LL
194	South Sudan		SS.LL

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
195	Sri Lanka		LK.LL
196	Sudan		SD.LL
197	Suriname		SR.LL
198	Swaziland		SZ.LL
199	Sweden		SE.LL
200	Syria		SY.LL
201	Taiwan		TW.LL
202	Tajikistan		TJ.LL
203	Tanzania, United Republic		TZ.LL
204	Thailand		TH.LL
205	Timor-Leste		TL.LL
206	Togo		TG.LL
207	Tokelau		TK.LL
208	Tonga		TO.LL
209	Trinidad and Tobago		TT.LL
210	Tunisia		TN.LL
211	Turkmenistan		TM.LL
212	Turks and Caicos Islands		TC.LL
213	Tuvalu		TV.LL
214	Türkiye		TR.LL
215	Uganda		UG.LL
216	Ukraine		UA.LL
217	United Arab Emirates		AE.LL
218	UPT		UPT.LL
219	Uruguay		UY.LL
220	Uzbekistan		UZ.LL
221	Vanuatu		VU.LL
222	Vatican City		VA.LL
223	Venezuela		VE.LL
224	Vietnam		VN.LL
225	Virgin Islands, British		VG.LL
226	Virgin Islands, U.S.		VI.LL
227	Wallis and Futuna		WF.LL
228	Yemen		YE.LL
229	Zambia		ZM.LL
230	Zimbabwe		ZW.LL

Table 22.2.5.c – International Off-Net Calling with Mobile Termination

Line Item	Country	Mobile Termination Product Identifier	Bidder Meets or Exceeds? Yes or No.
1	Brazil	BR.ML	Yes
2	Canada	CA.ML	**Yes**
3	China	CN.ML	Yes
4	France	FR.ML	Yes
5	Germany	DE.ML	Yes
6	Israel	IL.ML	Yes
7	Italy	IT.ML	Yes
8	Japan	JP.ML	Yes
9	Korea	SK.ML	Yes
10	Mexico	MX.ML	Yes
11	Spain	ES.ML	Yes
12	Switzerland	CH.ML	Yes
13	United Kingdom	UK.ML	Yes

The Contractor may offer International Off-Net Calling with Mobile Termination to unsolicited countries in Table 22.2.5.d.

Table 22.2.5.d – Unsolicited International Off-Net Calling with Mobile Termination

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
1	Afghanistan		AF.ML
2	Albania		AL.ML
3	Algeria		DZ.ML
4	Andorra		AD.ML
5	Angola		AO.ML
6	Anguilla		AI.ML
7	Antigua and Barbuda		AG.ML
8	Argentina		AR.ML
9	Armenia		AM.ML
10	Aruba		AW.ML
11	Australia		AU.ML
12	Austria		AT.ML
13	Azerbaijan		AZ.ML
14	Bahamas		BS.ML

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
15	Bahrain		BH.ML
16	Bangladesh		BD.ML
17	Barbados		BB.ML
18	Belarus		BY.ML
19	Belgium		BE.ML
20	Belize		BZ.ML
21	Benin		BJ.ML
22	Bermuda		BM.ML
23	Bhutan		BT.ML
24	Bolivia		BO.ML
25	Bosnia and Herzegovina		BA.ML
26	Botswana		BW.ML
27	Brunei Darussalam		BN.ML
28	Bulgaria		BG.ML
29	Burkina Faso		BF.ML
30	Cambodia		KH.ML
31	Cameroon		CM.ML
32	Cape Verde		CV.ML
33	Cayman Islands		KY.ML
34	Chad		TD.ML
35	Chile		CL.ML
36	Colombia		CO.ML
37	Comoros		KM.ML
38	Congo		CG.ML
39	Congo, Democratic Republic		CD.ML
40	Costa Rica		CR.ML
41	Croatia		HR.ML
42	Cuba		CU.ML
43	Cyprus		CY.ML
44	Czech Republic		CZ.ML
45	Denmark		DK.ML
46	Djibouti		DJ.ML
47	Dominica		DM.ML
48	Dominican Republic		DO.ML
49	Ecuador		EC.ML
50	Egypt		EG.ML

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
51	El Salvador		SV.ML
52	Equatorial Guinea		GQ.ML
53	Eritrea		ER.ML
54	Estonia		EE.ML
55	Ethiopia		ET.ML
56	Fiji		FJ.ML
57	Finland		FI.ML
58	French Guiana		GF.ML
59	French Polynesia		PF.ML
60	Gabon		GA.ML
61	Gambia		GM.ML
62	Georgia		GE.ML
63	Ghana		GH.ML
64	Gibraltar		GI.ML
65	Greece		GR.ML
66	Greenland		GL.ML
67	Grenada		GD.ML
68	Guadeloupe		GP.ML
69	Guatemala		GT.ML
70	Guinea		GN.ML
71	Guinea-Bissau		GW.ML
72	Guyana		GY.ML
73	Haiti		HT.ML
74	Honduras		HN.ML
75	Hong Kong		HK.ML
76	Hungary		HU.ML
77	Iceland		IS.ML
78	India		IN.ML
79	Indonesia		ID.ML
80	Iran		IR.ML
81	Iraq		IQ.ML
82	Ireland		IE.ML
83	Ivory Coast		CI.ML
84	Jamaica		JM.ML
85	Jordan		JO.ML
86	Kazakhstan		KZ.ML
87	Kenya		KE.ML
88	Kosovo		XK.ML

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
89	Kuwait		KW.ML
90	Kyrgyzstan		KG.ML
91	Laos		LA.ML
92	Latvia		LV.ML
93	Lebanon		LB.ML
94	Lesotho		LS.ML
95	Liberia		LR.ML
96	Libya		LY.ML
97	Liechtenstein		LI.ML
98	Lithuania		LT.ML
99	Luxembourg		LU.ML
100	Macao		MO.ML
101	Macedonia		MK.ML
102	Madagascar		MG.ML
103	Malawi		MW.ML
104	Malaysia		MY.ML
105	Maldives		MV.ML
106	Mali		ML.ML
107	Malta		MT.ML
108	Martinique		MQ.ML
109	Mauritania		MR.ML
110	Mauritius		MU.ML
111	Mayotte		YT.ML
112	Moldova		MD.ML
113	Monaco		MC.ML
114	Mongolia		MN.ML
115	Montenegro		ME.ML
116	Montserrat		MS.ML
117	Morocco		MA.ML
118	Mozambique		MZ.ML
119	Myanmar		MM.ML
120	Namibia		NA.ML
121	Nepal		NP.ML
122	Netherlands		NL.ML
123	Netherlands Antilles		AN.ML
124	New Zealand		NZ.ML
125	Nicaragua		NI.ML
126	Nigeria		NG.ML

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
127	Norway		NO.ML
128	Oman		OM.ML
129	Pakistan		PK.ML
130	Palau		PW.ML
131	Palestinian Territory		PS.ML
132	Panama		PA.ML
133	Paraguay		PY.ML
134	Peru		PE.ML
135	Philippines		PH.ML
136	Poland		PL.ML
137	Portugal		PT.ML
138	Qatar		QA.ML
139	Reunion		RE.ML
140	Romania		RO.ML
141	Russia		RU.ML
142	Saint Kitts and Nevis		KN.ML
143	Saint Lucia		LC.ML
144	Saint Pierre and Miquelon		PM.ML
145	Saint Vincent and the Grenadines		VC.ML
146	Samoa		WS.ML
147	Saudi Arabia		SA.ML
148	Senegal		SN.ML
149	Serbia		RS.ML
150	Sierra Leone		SL.ML
151	Singapore		SG.ML
152	Sint Maarten		SX.ML
153	Slovakia		SK.ML
154	Slovenia		SI.ML
155	South Africa		ZA.ML
156	South Sudan		SS.ML
157	Sri Lanka		LK.ML
158	Sudan		SD.ML
159	Suriname		SR.ML
160	Swaziland		SZ.ML
161	Sweden		SE.ML
162	Syria		SY.ML

Line Item	Country, Countries, Regions, or Groupings	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier
163	Taiwan		TW.ML
164	Tanzania, United Republic		TZ.ML
165	Thailand		TH.ML
166	Trinidad and Tobago		TT.ML
167	Tunisia		TN.ML
168	Turks and Caicos Islands		TC.ML
169	Türkiye		TR.ML
170	Uganda		UG.ML
171	Ukraine		UA.ML
172	United Arab Emirates		AE.ML
173	Uruguay		UY.ML
174	Uzbekistan		UZ.ML
175	Venezuela		VE.ML
176	Vietnam		VN.ML
177	Virgin Islands, British		VG.ML
178	Yemen		YE.ML
179	Zambia		ZM.ML
180	Zimbabwe		ZW.ML

22.2.6 Voicemail Services

The Contractor shall provide voicemail services that are interoperable with the Cloud-Hosted VoIP Services. The voicemail service shall allow callers to leave a message for End-Users to retrieve later.

22.2.6.1 Voicemail General Features

The Contractor's voicemail service shall include the general features described in Table 22.2.6.1.

Table 22.2.6.1 – Voicemail General Features

Line Item	Voicemail General Features	Bidder Meets or Exceeds? Yes or No.
1	A variety of message lengths with a minimum message length of at least two minutes each.	Yes

Line Item	Voicemail General Features	Bidder Meets or Exceeds? Yes or No.
2	Message review, including skip back or ahead.	**Yes**
3	Message saving and erasing.	**Yes**
4	Erased message retrieval.	**Yes**
5	Messaging forwarding to another voice mailbox in the system with the ability to append additional comments.	**Yes**
6	Message sending.	**Yes**
7	Password protection.	**Yes**
8	Permanent and temporary personalized greetings.	**Yes**
9	Message waiting indicator signal received at workstation handset, if applicable, within one minute.	**Yes**
10	Remote access capability from any telephone location on or off net.	**Yes**
11	Creation of Group Distribution Lists - Allow an administrator to define voice mail distribution lists to forward and reply to an individual or to a group of predefined recipients.	**Yes**
12	End-Users shall be able to access voicemail messages from Desktop Handsets, mobile phones, softphones, email, or browsers.	**Yes**

The Contractor shall offer the Voicemail services and features detailed in Table 22.2.6.a.

Table 22.2.6.a – Voice Mail Services

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
1		Voicemail Service	Included with Standard Seat	22.UCRC.VM	**Yes**

			Limitations of the voicemail-to-text feature Transcription isn't instantaneous. Depending on the voicemail message length, the email transcription may be delayed. The automated process that converts voicemails to text is not 100% accurate. Accuracy may be affected by, among other factors, the speaker's accent, the speaker's rate of speech, the speaker's voice volume, and the quality of the connection. Voicemail-to-text conversion only transcribes the first minute of a message. Note: This limit will be		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			increased for US English by the end of 2023. Voicemail-to-text won't transcribe messages that are less than six seconds long. You can't enable voicemail-to-text across accounts in bulk. Voicemail-to-text doesn't support viewing your transcripts as text messages.		

The Contractor may offer additional unsolicited voicemail features in Table 22.2.6.b.

Table 22.2.6.b – Unsolicited Voice Mail Features

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
1			
2			
3			

22.2.7 Cloud-Hosted VoIP Services Geographic Service Area

The Contractor shall provide the Cloud-Hosted VoIP Services service statewide.

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

22.3 OTHER SERVICES

22.3.1 Hourly Rates for Services

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

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

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

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

22.3.2 Services Related Hourly Support

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

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

In the Cost Worksheet, the Contractor shall provide a fixed hourly rate schedule for the labor classifications required to diagnose and/or repair the contracted services. The rates identified shall only be used for the diagnosis and/or repair of contracted services and no materials shall be included in the

rates. The total amount of labor hours permitted to be performed is ten hours per dispatch/occurrence.

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

The Contractor shall offer emergency restoration services as detailed in Table 22.3.2.

Table 22.3.2 – Services Related Hourly Support

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No
1	Field Service Repair Technician Regular Hours	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.	Support for Network issues is available 7x24 by calling Emergency Technical Support (ETS). Support for Phone issues or account issues is available by calling Client Services Manager (CSM)during regular business hours.	22.FO.LH.00.R	Yes
2	Field Service Repair Technician Overtime Hours	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.	Support for Network issues is available 7x24 by calling Emergency Technical Support (ETS).	22.FO.LH.00.O	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No
3	Field Service Repair Technician Sunday and Holiday Hours	Field technician properly trained to an expert level for the service being dispatched to diagnose and/or repair a CALNET DNCS service problem that turns out to be caused by factors outside the responsibility of the Contractor.	Support for Network issues is available 7x24 by calling Emergency Technical Support (ETS).	22.FO.LH.00.H	Yes

22.3.3 Migration Professional Services

The Contractor shall provide Professional Services that support the migration of Customer telephone services. This service is limited to efforts related to the migration from one CALNET service to another CALNET service. Some examples are assistance with Customer telephone data, number porting, site surveys, site audits, inventory and record management.
The Contractor shall offer the Migration Professional Services detailed in Table 22.3.3.a.

Table 22.3.3.a – Migration Professional Services

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
1	Migration Technical Services Support I - Standard Regular Hours	Technical Services Support I for Central Office Exchange Migration only	Migration Technical Services Support I is provided by an assigned	22.UCRC.MTS.SRH	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
		– Regular Hours	Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process order for IP phones. Customer will be responsible for initiating porting activities with assistance from IM. Customer responsible for providing IM with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are requirements specific to a project beyond services		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables, and additional costs defined and agreed to.		
2	Migration Technical Services Support I - Overtime Hours	Technical Services Support I for Central Office Exchange Migration only - Overtime Hours	Migration Technical Services Support I is provided by an assigned Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process order for IP phones. Customer will be responsible for initiating porting activities with assistance from IM. Customer responsible for	22.UCRC.MTS.OH	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			providing IM with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are requirements specific to a project beyond services provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables, and additional costs defined and agreed to. Rate will be used in the event where Overtime Hours are needed.		
3	Migration Technical	Technical Services	Migration Technical	22.UCRC. MRS.SHH	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
	Services Support I – Sunday and Holiday Hours	Support I for Central Office Exchange Migration only – Sunday and Holiday Hours	Services Support I is provided by an assigned Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process order for IP phones. Customer will be responsible for initiating porting activities with assistance from IM. Customer responsible for providing IM with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			requirements specific to a project beyond services provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables, and additional costs defined and agreed to. Rate will be used in the event where Sunday or Holiday Hours are needed.		
4	Migration Technical Services Support II - Regular Hours	Technical Services Support II for Central Office Exchange Migration only – Regular Hours	Migration Technical Services Support II is provided by an assigned Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process	22.UCRC.MTS2.RH	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			order for IP phones. Customer will be responsible for initiating porting activities with assistance from IM. Customer responsible for providing IM with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are requirements specific to a project beyond services provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables,		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			and additional costs defined and agreed to. The Technical Services Support II resource will assist with advanced call flow configuration such as call queuing and reporting.		
5	Migration Technical Services Support II - Overtime Hours	Technical Services Support II for Central Office Exchange Migration only – Overtime Hours	Migration Technical Services Support II is provided by an assigned Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process order for IP phones. Customer will be responsible for initiating porting activities with assistance from	22.UCRC.MTS2.OH	**Yes**

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			IM. Customer responsible for providing IM with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are requirements specific to a project beyond services provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables, and additional costs defined and agreed to. The Technical Services Support II resource will assist with		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			advanced call flow configuration such as call queuing and reporting. Rate will be used in the event where Overtime Hours are needed.		
6	Migration Technical Services Support II – Sunday and Holiday Hours	Technical Services Support II for Central Office Exchange Migration only – Sunday and Holiday Hours	Migration Technical Services Support II is provided by an assigned Implementation Manager (IM). IM Support is used to activate site Super Admin, provision Standard Seats, and process order for IP phones. Customer will be responsible for initiating porting activities with assistance from IM. Customer responsible for providing IM	22.UCRC.MTS2.SHH	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			with relevant information regarding call flows, user profiles. The IM will be responsible for ensuring the necessary skills are provided to deliver services ordered. If there are requirements specific to a project beyond services provided by the IM, then a specific Statement Of Work (SOW) needs to be developed with scope, deliverables, and additional costs defined and agreed to. The Technical Services Support II resource will assist with advanced call flow configuration		

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			such as call queuing and reporting. Rate will be used in the event where Sunday or Holiday Hours are needed.		
7	Migration Network Engineer – Regular Hours	Network Engineer for Central Office Exchange Migration only – Regular Hours	The Migration Network Engineer assists with deployments that involve complex porting of telephone numbers. This resource is engaged when a port includes 100 or greater telephone numbers, or if the porting is being arranged with multiple losing carriers.	22.UCRC.MNE.RH	Yes
8	Migration Network Engineer – Overtime Hours	Network Engineer for Central Office Exchange Migration only – Overtime Hours	The Migration Network Engineer assists with deployments that involve complex porting of	22.UCRC.MNE.OH	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			telephone numbers. This resource is engaged when a port includes 100 or greater telephone numbers, or if the porting is being arranged with multiple losing carriers. Rate will be used in the event where Sunday or Holiday Hours are needed.		
9	Migration Network Engineer – Sunday and Holiday Hours	Network Engineer for Central Office Exchange Migration only – Sunday and Holiday Hours	The Migration Network Engineer assists with deployments that involve complex porting of telephone numbers. This resource is engaged when a port includes 100 or greater telephone numbers, or if the porting is being arranged with multiple	22.UCRC.MNE.SHH	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			losing carriers. Rate will be used in the event where Sunday or Holiday Hours are needed.		
10	Migration Professional Services - Senior Engineer – Regular Hours	Professional Services - Senior Engineer for Central Office Exchange Migration only – Regular Hours	The Migration Professional Services - Senior Engineer service is available to assist with supporting complex network configurations that may be required in certain network setting where Charter Communications is not supplying the network.	22.UCRC.SE.RH	Yes
11	Migration Professional Services Principal Architect I – Regular Hours	Professional Services Principal Architect I for Central Office Exchange Migration only – Regular Hours	The Migration Professional Services Principal Architect I service is provided as needed to assist with complex	22.UCRC.PA.RH	Yes

Line Item	Feature Name	Feature Description	Bidder's Product Description, Restrictions and Limitations	Bidder's Product Identifier	Bidder Meets or Exceeds? Yes or No.
			network designs prior to the Migration.		
12	Migration Professional Services - Principal Architect II – Regular Hours	Professional Services - Principal Architect II for Central Office Exchange Migration only – Regular Hours	The Migration Professional Services Principal Architect II service is provided as needed to assist with complex network designs prior to the Migration. His service is offered when there are multiple Migrations being planned simultaneously.	22.UCRC.PA2.RH	Yes

Bidder may offer additional unsolicited Migration Professional Services in Table 22.3.3.b

Table 22.3.3.b – Unsolicited Migration Professional Services

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
1	Optional Remote Onboarding-Up to 3	22.UCRC.3	Remote set up of User configurations/profiles, call flows, assistance with porting, SMS/MMS registration (customer responsible for Porting and TCR). Specific option selected is based on total count of locations and end user limits per opportunity.

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
2	Optional Remote Onboarding-4 to15	22.UCRC.4.15	Remote set up of User configurations/profiles, call flows, assistance with porting, SMS/MMS registration (customer responsible for Porting and TCR). Specific option selected is based on total count of locations and end user limits per opportunity.
3	Optional Remote Onboarding-16Plus	22.UCRC.16	Remote set up of User configurations/profiles, call flows, assistance with porting, SMS/MMS registration (customer responsible for Porting and TCR). Specific option selected is based on total count of locations and end user limits per opportunity.
4	Optional Onsite Onboarding	22.UCRC.OOO	Remote set up of User configurations/profiles, call flows, and onsite deployment of phones. 25 phones per day / tech. Must add Tech T&E based on number of site visits.
5	Optional Onsite T&E	22.UCRC.OOTE	This item covers visit per site, but details are based on number of sites that need to be visited and number of days onsite. Must be selected with Onboarding (Onsite).
6	Additional Remote Training-End User Basics	22.UCRC.EUB	1 hr. session - activate and manage UC with RingCentral phone extension, make, receive, manage calls from any device, schedule, host, join an audio or video conference, collaborate with colleagues via chat or video
7	Additional Remote Training-End User for Front Office	22.UCRC.EUFO	1 hr. session - collaborate with other staff and colleagues via individual team chats, schedule, host, moderate, join a video meeting, make, receive, and manage calls from any device
8	Additional Remote Training-End User for Trainers	22.UCRC.EUT	1 hr. session - show learners how to activate and manage their extensions, best practices for demonstrating the messaging, video, phone features, navigate resources

Line Item	Feature Name	Bidder's Product Identifier	Bidder's Product Description, Restrictions and Limitations
9	Additional Remote Training-Analytics: QoS Reports	22.UCRC.AQSR	1 hr. session - set up QoS reporting, understand key data points, understand key reporting functions for monitoring call quality, diagnose and resolve common issues related to call quality
10	Additional Remote Training-Admin Basics	22.UCRC.AB	2 hr. session - build and manage basic call flows, manage end users, phones, devices, basic settings, manage moves, adds, changes, deletes
11	Remote Training-Analytics Basics	22.UCRC.RT.AB	2 hr. session - read and interpret data for available reports, customize reports using provided filters, subscribe to reports
12	Additional Remote Training-Live Reports	22.UCRC.LR	2 hr. session - set up call flow dashboard and understand agent availability and queue levels, understand each of key reporting functions for monitoring agents and queues,
13	Additional Onsite Training-Onsite Training	22.UCRC.OT	Onsite Training-Onsite Training
14	Additional Onsite Training-3rd Party Tech T&E	22.UCRC.3PTE	Onsite Training-3rd Party Tech T&E
15	Additional Network Assessment	22.UCRC.ANA	Per Site, covers assessment of LAN / WAN at a site and readiness to support UC with RingCentral services. Includes support on setting up Visual probes, monitor site over a few days, and provide report at end of assessment on key metrics including available G.711 codec, bandwidth, jitter, packet loss, latency, blocked ports, and web test. All of RingCentral's features are subject to the Spectrum Business UC with RingCentral Terms of Service.

22.4 SERVICE LEVEL AGREEMENTS (SLA)

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

22.4.1 Service Level Agreement Format

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

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

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

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

22.4.2 Technical Requirements Versus SLA Objectives

Sections 22.2 (Cloud-Hosted VoIP Services) and 22.3 (Other Services) define the technical requirements for each service. These requirements are the minimum parameters each Bidder must meet in order to qualify for Contract

award. Upon Contract award the committed technical requirements will be maintained throughout the remainder of the Contract.
Committed SLA objectives are minimum parameters which the Contractor shall be held accountable for all rights and remedies throughout Contract Term.

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

22.4.3 Methods of Outage Reporting: Customer or Contractor

There are two methods in which CALNET service failures or quality of service issues may be reported and Contractor trouble tickets opened: Customer reported or Contractor reported.
The first method of outage reporting results from a Customer reporting service trouble to the Contractor's Customer Service Center via phone call or opening of a trouble ticket using the on-line Trouble Ticket Reporting Tool (SOW Business Requirements, Trouble Ticket Reporting Tool (TTRT)).
The second method of outage reporting occurs when the Contractor opens a trouble ticket as a result of network/system alarm or other method of service failure identification. In each instance the Contractor shall open a trouble ticket using the Trouble Ticket Reporting Tool (SOW Business Requirements) and monitor and report to Customer until service is restored.

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

22.4.4 Bidder Response to Service Level Agreements

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

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

22.4.5 Contractor SLA Management Plan

Within 90 calendar days of Contract award, the Contractor shall provide CALNET CMO with one SLA Management Plan that describes how the Contractor will monitor and 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 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. Process may differ per service type;

3. Creation and delivery of SLA Reports (SOW Business Requirements Section G.10.5). The Contractor shall include a sample report in accordance with SOW Business Requirements Section G.10.5, SLA Reports for the following: SLA Service Performance Report (SOW Business Requirements Section G10.5.1), SLA Provisioning Report (SOW Business Requirements Section G.10.5.2), SLA Catastrophic Outage Reports (SOW Business Requirements Section G.10.5.3), and Trouble Ticket and Provisioning/SLA Credit Report (SOW Business Requirements Section G.10.5.4). The Contractor shall commit to a monthly due date. The reports shall be provided to the CALNET Program via the Private Oversight Website (SOW Business Requirements Section G.10.2);
4. SLA invoicing credit and refund process;
5. Contractor SLA problem resolution process for Customer SLA and SLA reporting issues. The Contractor shall provide a separate process for Customers and CALNET Program; and,
6. Contractor SLA Manager to manage all SLA compliance and reporting. The Contractor shall include the SLA Manager contact information for SLA inquiries and issues resolution for Customer and CALNET Program.

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

22.4.6 Technical SLA General Requirements

The Contractor shall adhere to the following general requirements which apply to all CALNET Technical SLAs (Section 22.4.8).

1. With the exception of Provisioning SLA (Section, 22.4.8.6) 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);
2. If a circuit or service fails to meet one or more of the performance objectives, only the SLA with the largest monthly Rights and Remedies will be credited to the Customer, per event;
3. The Contractor shall apply CALNET SLAs and remedies for services provided by Affiliates and/or Subcontractors under this Contract;
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 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 form for the Provisioning SLA (Section 22.4.8.6);
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 SLAs to CALNET Program for possible inclusion via amendments;
9. The Contractor shall apply CALNET SLAs and remedies to services provided in geographic areas which the Contractor is required to provide service;
10. The election by CALNET Program of any SLA remedy covered by this Contract shall not exclude or limit CALNET Program or any

Customer's rights and remedies otherwise available within the Contract or at law or equity;

11. The Contractor shall apply rights and remedies when a service fails to meet the SLA objective even when backup or protected services provide Customer with continuation of services;
12. The Contractor shall act as the single point of contact in coordinating all entities to meet the State's needs for provisioning, maintenance, restoration and resolution of service issues or that of their Affiliates, Subcontractors or resellers under this Contract;
13. The Customer Escalation Process and/or the CALNET CMO Escalation Process shall be considered an additional right and remedy if the Contractor fails to resolve service issues within the SLA objective(s);
14. Trouble reporting and restoration shall be provided 24x7 for CALNET services;
15. SLAs apply 24x7 unless SLA specifies an exception;
16. Contractor invoices shall clearly cross reference the SLA credit to the service Circuit ID in accordance with SOW Business Requirements Section G.6 (Billing and Invoicing);
17. The Contractor shall provide a CALNET SLA Manager responsible for CALNET SLA compliance. The SLA Manager shall attend regular meetings and be available upon request to address CALNET Program SLA oversight, report issues, and problem resolution concerns. The CALNET SLA Manager shall also coordinate SLA support for Customer SLA inquiries and issue resolution;
18. The Contractor shall provide Customer and CALNET Program support for SLA inquiries and issue resolution; and,
19. Any SLAs and remedies negotiated between Contractor and third party service provider in territories closed to competition shall be passed through to the Customer.

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

22.4.7 Trouble Ticket Stop Clock Conditions

Only the following conditions shall be allowed to stop the duration of the Service Level Agreements. The Contractor shall document durations using the Stop Clock Condition (SCC) listed in Table 22.4.7, which must include start and stop time stamps in the Contractor's Trouble Ticket Reporting Tool (SOW Business Requirements Section G.10.4) or Customer provisioning Service

Request for each application of an SCC. The Contractor shall not consider "cleared while testing" or "no trouble found" as a SCC.
Contractor observation timeframes, not requested by End-User, after incident resolution shall not be included in Outage Duration reporting.
Note: The Glossary (SOW Appendix A) defines term "End-User" as the "individual within an Entity that is receiving services and/or features provided under the Contract."

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

Stop Clock Conditions are limited to the conditions listed in Table 22.4.7.

Table 22.4.7 – Stop Clock Conditions

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

Line Item	Stop Clock Condition (SCC)	SCC Definition
4	WIRING	Restoration cannot be achieved because the problem has been isolated to wiring that is not maintained by Contractor or any of its Subcontractors or Affiliates. If it is later determined the wiring is not the cause of failure, the SCC shall not apply.
5	POWER	Trouble caused by a power problem outside of the responsibility of the Contractor.
6	CUSTOMER PROVISIONING DELAY	Delays to Provisioning caused by lack of Customer's building entrance Facilities, conduit structures that are the Customer's responsibilities or Extended demarcation wiring. If the Service Providing Contractor has been contracted by the Customer for extended demarcation, this SCC shall not apply to missed dates/times. The Customer Provisioning Delay SCC is restricted to Provisioning SLAs only.
7	ACCESS	Limited access or contact with End-User provided the Contractor documents in the trouble ticket several efforts to contact End-User for the following: a. Access necessary to correct the problem is not available because access has not been arranged by site contact or End-User representative; b. Site contact refuses access to technician who displays proper identification; c. Customer provides incorrect site contact information which prevents access, provided that Contractor takes reasonable steps to notify End-User of the improper contact information and takes steps to obtain the correct information; or, d. Site has limited hours of business that directly impacts the Contractor's ability to resolve the problem.

Line Item	Stop Clock Condition (SCC)	SCC Definition
		If it is determined later that the cause of the problem was not at the site in question, then the Access SCC shall not apply.
8	STAFF	Any problem or delay to the extent caused by End-User's staff that prevents or delays Contractor's resolution of the problem. In such event, Contractor shall make a timely request to End-User staff to correct the problem or delay and document in trouble ticket.
9	APPLICATION	End-User software applications that interfere with repair of the trouble.
10	CPE	Repair/replacement of Customer Premise Equipment (CPE) not provided by Contractor if the problem has been isolated to the CPE. If determined later that the CPE was not the cause of the service outage, the CPE SCC will not apply.
11	NO RESPONSE	Failure of the trouble ticket originator or responsible End-User to return a call from Contractor's technician for on-line close 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 DNCS service. Any such stop clock condition shall not extend beyond the scheduled period of the maintenance or upgrade. SLAs shall apply for any maintenance caused outage beyond the scheduled maintenance period. Outages occurring during a scheduled maintenance or upgrade period and not caused by the scheduled maintenance shall not be subject to the Maintenance SCC.

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

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

22.4.8 Technical Service Level Agreements (SLA)

22.4.8.1 Availability (M-S)

SLA Name: Availability

Definition:

The percentage of time a CALNET Data Networks or Cloud-Hosted VoIP Services service is fully functional and available for use each calendar month.

Measurement Process:

The monthly Availability Percentage shall be based on the accumulative total of all Unavailable Time derived from all trouble tickets closed, for the

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

Services:

Cloud-Hosted VoIP Services

Objective A:

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

Service Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Cloud-Hosted VoIP Services	≥ 99.9%	≥ 99.99%	≥ 99.999%	P

Rights and Remedies:

1. Per Occurrence:
    - 20% credit or refund of the TRMC and two Business Days of ADUC, when usage applies, for each Cloud-Hosted VoIP Services service/feature impacted by the service failure.
2. Monthly Aggregated Measurements:
    - N/A

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

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

SLA Name: Catastrophic Outage 1 (CAT 1)

Definition:

The total loss of service at a single address based on a common cause resulting in one or more of the following:

Failure of two or more service types

Measurement Process:

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

Services:

Cloud-Hosted VoIP Services

Objectives:

The objective restoral time will be:

Access Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Cloud-Hosted VoIP Services	≤ 1 Hour	≤ 30 Minutes	≤ 15 Minutes	P

Rights and Remedies:

1. Per Occurrence:
    - 100% credit or refund of the TMRC and ten Business Days ADUC for each End-User service not meeting the committed objective for each CAT 1 fault.
2. Monthly Aggregated Measurements:
    - N/A

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

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

SLA Name: Catastrophic Outage 3 (CAT 3)

Definition:

The total loss of any service type on a system wide basis.

Measurement Process:

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

Services:

Cloud-Hosted VoIP Services

Objectives:

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

Service Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Cloud-Hosted VoIP Services	≤ 30 Minutes	N/A	≤ 15 Minutes	P

Rights and Remedies:

1. Per Occurrence:
    - 100% credit or refund of the TMRC and ten Business Days ADUC for each service (Circuit ID or Service ID) not meeting the committed objective for each Cat 3 fault.
2. Monthly Aggregated Measurements:
    - N/A

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

22.4.8.4 Excessive Outage

SLA Name: Excessive Outage

Definition:

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

Measurement Process:

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

Services:

Cloud-Hosted VoIP Services

Objectives:

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

Service Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Cloud-Hosted VoIP Services	12 Hours	10 Hours	8 Hours	P

Rights and Remedies:

1. Per Occurrence:
    - 100% credit or refund of the TMRC and ten Business Days ADUC for each service (Circuit ID or Service ID) not meeting the committed objective for each Cat 3 fault.
2. Monthly Aggregated Measurements:
    - N/A

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

22.4.8.5 Notification (M-S)

SLA Name: Notification

Definition:

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

Measurement Process:

The Contractor shall adhere to the Network Outage Response requirements (SOW Business Requirements Section G.3.3, Network Outage Response) and notify the CALNET Program and designated stakeholders for all CAT 2 and CAT 3 Outages or for network outages resulting in a significant loss of service. Notification objectives will be based on the start time of the

outage failure determined by the opening of a trouble ticket or network alarm, whichever occurs first. For events based on information such as terrorist activity or threat of natural disaster, the Contractor shall notify the CALNET Program and designated stakeholder when information is available for dissemination to the Customers.

Services:

All Services

Objectives:

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

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

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

Rights and Remedies:

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

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

22.4.8.6 Provisioning (M-S)

SLA Name: Provisioning

Definition:

Provisioning shall include new services, moves, adds and changes, completed by the Contractor on or before the due dates. The Provisioning SLA shall be based on committed installation intervals established in this SLA or due dates negotiated between the Customer and the Contractor

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

Provisioning SLAs have two objectives:

Objective 1: Individual service installation; and,
Objective 2: Successful Install Monthly Percentage by service type.
Note: Provisioning timelines include extended demarcation wiring when appropriate.

Measurement Process:

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

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

Services:

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

Service	Committed Interval Days	Coordinated/Managed Project
Cloud-Hosted VoIP Services	30	Coordinated/Managed Project

Objectives:

Objective 1: Individual service installation: Service provisioned on or before the negotiated due date.
Objective 2: Successful Install Monthly Percentage per Service:

Access Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B or P)
Cloud-Hosted VoIP Services	≥ 90%	N/A	≥ 95%	P

Rights and Remedies:

1. Per Occurrence:
    - Objective 1: Individual service installations: 50% of installation fee credited to the Customer for any missed committed objective.
2. Monthly Aggregated Measurements:
    - Objective 2: 100% of the installation fee credited to the Customer for all service installations (per service type) that did not complete within the committed objective during the month if the Successful Install Monthly Percentage is below the committed objective.

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

c22.4.8.7 Time To Repair (M-S)

SLA Name: Time to Repair

Definition:

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

Measurement Process:

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

Services:

Cloud-Hosted VoIP Services

Objectives:

The Unavailable Time objective shall not exceed:

Service Type	Basic (B)	Standard (S)	Premier (P)	Bidder's Objective Commitment (B, S or P)
Cloud-Hosted VoIP Services	6 Hours	5 Hours	4 Hours	P

Rights and Remedies:

1. Per Occurrence:
    - 25% credit or refund of the TMRC and three Business Days ADUC, when applicable, per occurrence for each service (Circuit ID or Service ID) out of service for a period greater than the committed objective level.
2. Monthly Aggregated Measurements:
    - N/A

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

22.4.8.8 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

22.4.8.9 Proposed Unsolicited Offerings

The contractor shall provide SLAs as defined in SLA Section 22.4.8 for each unsolicited offering determined by the CALNET Program not to be a feature of a service or a component of an unbundled service identified in the technical requirements. SLA tables shall be amended after Contract award to include all new unsolicited services.

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

22.4.8.10 Contract Amendment Service Enhancement SLAs

All Contract amendment service enhancements shall be considered a feature of the service, therefore included as such under the SLAs as defined in Section 22.4.8.

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