

Attachment B – Scope of Services Awarded to Contractor

I. Data Communications Award Categories

The scope for this contract is as provided below. Contractor may offer products (i.e. white box, artificial intelligence, etc.) and services within the Categories it received an award in. Each category also allows for Internet of Things (IoT) products. These products must be an IoT product that can be deployed within, upon, or integrated into a government agency's physical asset to address government line of business needs. Proposals are expected to include IoT products designed to support common government lines of business in specific subcategories i.e. routers, switches, end points, etc. IoT products can only be provided in categories that the vendor is awarded in and can include endpoints that support items in that category.

Category 1.1: UNIFIED COMMUNICATIONS (UC).

A set of products that provides a consistent unified user interface and user experience across multiple devices and modes of communications. Unified Communications that is able to provide services such as session management, voice, video, messaging, mobility, and meeting solutions (i.e., web, audio, IM&P, file sharing, white boarding, guest support, etc.). It can provide the foundation for advanced unified communications capabilities of IM and presence-based services and extends telephony features and capabilities to packet telephony network devices such as IP phones, media processing devices, Voice over IP (VoIP) gateways, and multimedia applications. Additional services, such as unified messaging, multimedia conferencing, collaborative contact centers, and interactive multimedia response systems, are made possible through open telephony APIs. General UC solution capabilities should include:

- High Availability for Call Processing
- Hardware Platform High Availability
- Network Connectivity High Availability
- PSTN Access resiliency
- Call Processing Redundancy
- Optional Branch Office Survivability Services

1.1.1 IP Telephony — Solutions utilized to provide the delivery of the telephony application (for example, call setup and teardown, and telephony features) over IP, instead of using circuit-switched or other modalities. Capabilities should include:

- Support for analog, digital, and IP endpoints
- Centralized Management
- Enterprise Telephony Features (CFx, Transfer, CID, Shared line appearance, One Number Service, etc.)
- Provide basic hunt group and call queuing capabilities
- Flexibility to configure queue depth and hold time, play unique announcements and Music on Hold (MoH), log in and log out users from a queue and basic queue statistics (from the phone)
- E911 Support
 - National E911 Routing Services (proper PSAP routing when PSTN access is centralized)
 - 911 Device Tracking Services
 - 911 On-Site Notification Services

1.1.2 Instant messaging/ Presence — Solutions that allow communication over the Internet Protocol, within the enterprise, and remotely, as well as with guest users that offers quick transmission of text-based messages from sender to receiver. In push mode between two or more people using personal computers, Desktop (Windows/Mac/VDI/Linux), Mobile/Smartphone, Tablet, along with shared clients, instant messaging basically offers real-time direct written language-based online chat. Instant messaging may also provide video calling, file sharing, PC-to-PC voice calling and PC-to-regular-phone calling.

- IM Persistency / Workstream Collab
- File Sharing Services, Desktop Sharing Services

1.1.3 Unified messaging — Integration of different electronic messaging and communications media (e-mail, SMS, Fax, voicemail, video messaging, etc.) technologies into a single interface, accessible from a variety of different devices.

- Ability to access and manage voice messages in a variety of ways, using email inbox, Web browser, desktop client, VoIP phone, or mobile phone
- Visual Voicemail Support (Optional)
- ASR / Transcription Services for recorded messages

1.1.4 Contact Center — A computer-based system that provides call and contact routing for high-volume telephony transactions, with specialist answering “agent” stations and a sophisticated real-time contact management system. The definition includes all contact center systems that provide inbound contact handling capabilities, outbound call/contact center and automatic contact distribution, combined with a high degree of sophistication in terms of dynamic contact traffic routing management.

1.1.5 Communications End Points and Applications

- Attendant Consoles (Telephone Station)
- IP Phones (desktop devices and accessories)
- Room Based Conferencing Endpoints (Conf Phones, SparkBoard, JamBoard, Surface Hub)

1.1.6 UC Network Monitoring — Provides end-to-end service management for Unified Communications. Capabilities include testing, performance monitoring, configuration management, accounting/billing, analytics (capacity planning), contact center specialized reports (utilization, queue KIs, call abandonment ratios, etc.), and business intelligence reporting.

1.1.7 Collaboration — Voice, video, workstream collaboration, and web conferencing; messaging; mobile applications; and enterprise social software. Doesn’t include the audio visual software or hardware.

1.1.8 Collaborative Video — A set of immersive video technologies that enable people to feel or appear as if they were present in a location that they are not physically in. Immersive video consists of a multiple codec video system, where each meeting attendee uses an immersive video room to “dial in” and can see/talk to every other member on a screen (or screens) as if they were in the same room and provides call control that enables intelligent video bandwidth management.

1.1.9 Content Delivery Systems (CDS) — A large distributed system of servers deployed in multiple data centers connected by the Internet. The purpose of the content delivery system is to serve content to a very large number of end-users (i.e., quarterly all hands meetings/webinar) with high availability and high performance. CDSs serve content over the Internet, including web objects (text, graphics, URLs, and scripts), downloadable objects (media files, software, documents), applications (e-commerce, portals), live streaming media, on-demand streaming media, and social networks.

Category 1.2: NETWORKING.

1.2.1 Network Application Services.

Application networking solutions and technologies that enable the successful and secure delivery of applications to local, remote, and branch-office users using technology to accelerate, secure, and increase availability of both application traffic and computing resources.

1.2.1.1 Virtualized Load Balancers — Virtual devices that act like a reverse proxy to distribute network and/or application traffic across multiple servers to improve the concurrent user capacity and overall reliability of applications. Capabilities should include:

- SSL (Secure Sockets Layer) Off-loading
- Caching capabilities
- Layer 4 Load Balancing
- Layer 7 Load Balancing
- Detailed Reporting
- Supports multiple load balancers in the same system for multiple groups
- Supports TLS1.2

1.2.1.2 WAN Optimization — An appliance utilizing a collection of techniques for increasing data-transfer efficiencies across wide-area networks (WAN). Capabilities should include:

- CIFS (Common Internet File System) acceleration
- Data Compression
- SSL encryption/decryption for acceleration (Optional)
- Layer 4-7 visibility
- Application Specific optimization
- Network analysis tools (solutions utilized to collect, classify, analyze, and securely store log messages)

1.2.2 Networking Software.

Software that runs on a server, or within the Cloud, and enables the server to manage data, users, groups, security, applications, and other networking functions. The network operating system is designed to allow transfer of data among multiple computers in a network, typically a local area network (LAN), a private network or to other networks. Networking software capabilities should include:

- Restartable Process
- High availability options
- Targeted operating systems, i.e. DC, campus, core, wan, etc.
- Operating System Efficiencies
- Network analysis tools (solutions utilized to collect, classify, analyze, and securely store log messages).

1.2.2.1 Network Management and Automation — Software products and solutions for network automation, cloud computing, and IT systems management.

1.2.2.2 Data Center Management and Automation — Software products and solutions that capture and automate manual tasks across servers, network, applications, and virtualized infrastructure.

1.2.2.3 Cloud Portal and Automation — Software products and solutions for cloud management with policy-based controls for provisioning virtual and physical resources.

1.2.2.4 Branch Office Management and Automation — Software products and solutions for management of branch offices. Capabilities include remote troubleshooting, device management, and WAN performance monitoring.

1.2.3 Network Optimization and Acceleration.

Devices and tools for increasing data-transfer efficiencies across wide-area networks.

1.2.3.1 Data Analytics — Appliance for improving network management by more effectively factoring in issues related to congestion, such as utilization, service consumption and routing. Provides real-time insights into network traffic to determine the value of different portions of that traffic.

1.2.3.2 Dynamic Load Balancing (Network Traffic Management) — An appliance that performs a series of checks and calculations to determine which server can best service each client request in order to select the server that can successfully fulfill the client request and do so in the shortest amount of time without overloading either the server or the server farm as a whole.

1.2.3.3 WAN Acceleration — Appliance that optimizes bandwidth to improve the end user's experience on a wide area network (WAN). Capabilities should include:

- CIFS acceleration
- Data Compression
- SSL encryption/decryption for acceleration (Optional)
- Layer 4-7 visibility
- Application Specific optimization

1.2.3.4 High Availability and Redundancy — Limits any disruption to network uptime should an appliance face unforeseen performance issues. Transparently redistributes workloads to surviving cluster appliances without impacting communication throughout the cluster.

1.2.4 Optical Networking.

High capacity networks based on optical technology and components that provide routing, grooming, and restoration at the wavelength level as well as wavelength based services.

1.2.4.1 Core DWDM (Dense Wavelength Division Multiplexing) Switches — Switches used in systems designed for long haul and ultra long-haul optical networking applications.

1.2.4.2 Edge Optical Switches — Provide entry points into the enterprise or service provider core networks.

1.2.4.3 Optical Network Management — Provides capabilities to manage the optical network and allows operators to execute end-to-end circuit creation.

1.2.4.4 IP over DWDM (IPoDWDM) — A device utilized to integrate IP Routers and Switches in the OTN (Optical Transport Network).

Category 1.3: ROUTERS, SWITCHES, SECURITY, AND NETWORKING STORAGE.

1.3.1 Routers.

A device that forwards data packets along networks. A router is connected to at least two networks, commonly two LANs or WANs or a LAN and its ISP's network. Routers are located at gateways, the places where two or more networks connect, and are the critical device that keeps data flowing between networks and keep the networks connected to the Internet.

1.3.1.1 Branch Routers — A multiservice router typically used in branch offices or locations with limited numbers of users and supports flexible configurations/feature. For example: security, VoIP, wan acceleration, etc.

1.3.1.2 Network Edge Routers — A specialized router residing at the edge or boundary of a network. This router ensures the connectivity of its network with external networks, a wide area network or the Internet. An edge router uses an External Border Gateway Protocol, which is used extensively over the Internet to provide connectivity with remote networks.

1.3.1.3 Core Routers - High performance, high speed, low latency routers that enable Enterprises to deliver a suite of data, voice, and video services to enable next-generation applications such as IPTV and Video on Demand (VoD), and Software as a Service (SaaS).

1.3.1.4 Service Aggregation Routers — Provides multiservice adaptation, aggregation and routing for Ethernet and IP/MPLS networks to enable service providers and enterprise edge networks simultaneously host resource-intensive integrated data, voice and video business and consumer services.

1.3.1.5 Carrier Ethernet Routers — High performance routers that enable service providers to deliver a suite of data, voice, and video services to enable next-generation applications such as IPTV, Video on Demand (VoD), and Software as a Service (SaaS).

1.3.2 Security.

1.3.2.1 Data Center and Virtualization Security Products and Appliances — Products designed to protect high-value data and data center resources with threat defense and policy control.

1.3.2.2 Intrusion Detection/Protection and Firewall Appliances — Provide comprehensive inline network firewall security from worms, Trojans, spyware, key loggers, and other malware. This includes Next-Generation Firewalls (NGFW), which offer a wire-speed integrated network platform that performs deep inspection of traffic and blocking of attacks. Intrusion Detection/Protection and Firewall Appliances should provide:

- Non-disruptive in-line bump-in-the-wire configuration
- Standard first-generation firewall capabilities, e.g., network-address translation (NAT), stateful protocol inspection (SPI) and virtual private networking (VPN), etc.
- Application awareness, full stack visibility and granular control
- Capability to incorporate information from outside the firewall, e.g., directory-based policy, blacklists, white lists, etc.
- Upgrade path to include future information feeds and security threats
- SSL decryption to enable identifying undesirable encrypted applications (Optional)

1.3.2.3 Logging Appliances and Analysis Tools — Solutions utilized to collect, classify, analyze, and securely store log messages.

1.3.2.4 Secure Edge and Branch Integrated Security Products — Network security, VPN, and intrusion prevention for branches and the network edge. Products typically consist of appliances or routers.

1.3.2.5 Secure Mobility Products — Delivers secure, scalable access to corporate applications across multiple mobile devices.

1.3.2.6 Encryption Appliances — A network security device that applies crypto services at the network transfer layer - above the data link level, but below the application level.

1.3.2.7 On-premise and Cloud-based services for Network Communications Integrity — Solutions that provide threat protection, data loss prevention, message level encryption, acceptable use and application control capabilities to secure web and email communications. This could include cloud access security brokers (CASBs) and DNS security.

1.3.2.8 Secure Access — Products that provide secure access to the network for any device, including personally owned mobile devices (laptops, tablets, and smart phones). Capabilities should include:

- Management visibility for device access
- Self-service on-boarding

- Centralized policy enforcement
- Differentiated access and services
- Device Management

1.3.3 Storage Networking.

High-speed network of shared storage devices connecting different types of storage devices with data servers.

1.3.3.1 Director Class SAN (Storage Area Network) Switches and Modules — A scalable, high-performance, and protocol-independent designed primarily to fulfill the role of core switch in a core-edge Fibre Channel (FC), FCOE or similar SAN topology. A Fibre Channel director is, by current convention, a switch with at least 128 ports. It does not differ from a switch in core FC protocol functionality. Fibre Channel directors provide the most reliable, scalable, high-performance foundation for private cloud storage and highly virtualized environments.

1.3.3.2 Fabric and Blade Server Switches — A Fibre Channel switch is a network switch compatible with the Fibre Channel (FC) protocol. It allows the creation of a Fibre Channel fabric, which is currently the core component of most SANs. The fabric is a network of Fibre Channel devices, which allows many-to-many communication, device name lookup, security, and redundancy. FC switches implement zoning; a mechanism that disables unwanted traffic between certain fabric nodes.

1.3.3.3 Enterprise and Data Center SAN and VSAN (Virtual Storage Area Network) Management - Management tools to provisions, monitors, troubleshoot, and administers SANs and VSANs.

1.3.3.4 SAN Optimization — Tools to help optimize and secure SAN performance (ie. Encryption of data- at-rest, data migration, capacity optimization, data reduction, etc.

1.3.4: Switches.

Layer 2/3 devices that are used to connect segments of a LAN (local area network) or multiple LANs and to filter and forward packets among them.

1.3.4.1 Campus LAN – Access Switches — Provides initial connectivity for devices to the network and controls user and workgroup access to internetwork resources. The following are some of the features a campus LAN access switch should support:

1. Security
 - a. SSHv2 (Secure Shell Version 2)
 - b. 802.1X (Port Based Network Access Control)
 - c. Port Security
 - d. DHCP (Dynamic Host Configuration Protocol) Snooping
2. VLANs
3. Fast Ethernet/Gigabit Ethernet
4. PoE (Power over Ethernet)
5. link aggregation
6. 10 Gb support
7. Port mirroring
8. Span Taps
9. Support of IPv6 and IPv4
10. Standards-based rapid spanning tree
11. NetFlow Support (Optional).

1.3.4.2 Campus LAN – Core Switches — Campus core switches are generally used for the campus backbone and are responsible for transporting large amounts of traffic both reliably and quickly. Core switches should provide:

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Security
 - SSHv2
 - MacSec encryption
 - Role-Based Access Control Lists (ACL)
- Support of IPv6 and IPv4
- 1/10/40/100 Gbps support
- IGP (Interior Gateway Protocol) routing
- EGP (Exterior Gateway Protocol) routing
- VPLS (Virtual Private LAN Service) Support
- VRRP (Virtual Router Redundancy Protocol) Support
- NetFlow Support.

1.3.4.3 Campus Distribution Switches — Collect the data from all the access layer switches and forward it to the core layer switches. Traffic that is generated at Layer 2 on a switched network needs to be managed, or segmented into Virtual Local Area Networks (VLANs), Distribution layer switches provides the inter-VLAN routing functions so that one VLAN can communicate with another on the network. Distribution layer switches provides advanced security policies that can be applied to network traffic using Access Control Lists (ACLs).

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Security (SSHv2 and/or 802.1X)
- Support of IPv6 and IPv4
- Jumbo Frames Support
- Dynamic Trunking Protocol (DTP)
- Per-VLAN Rapid Spanning Tree (PVRST+)
- Switch-port auto recovery
- NetFlow Support or equivalent

1.3.4.4 Data Center Switches — Data center switches, or Layer 2/3 switches, switch all packets in the data center by switching or routing good ones to their final destinations, and discard unwanted traffic using Access Control Lists (ACLs) a minimum of 10 Gigabit speeds. High availability and modularity differentiates a typical Layer 2/3 switch from a data center switch. Capabilities should include:

- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- Ultra-low latency through wire-speed ports with nanosecond port-to-port latency and hardware-based Inter-Switch Link (ISL) trunking
- Load Balancing across Trunk group able to use packet based load balancing scheme
- Bridging of Fibre Channel SANs and Ethernet fabrics
- Jumbo Frame Support

- Plug and Play Fabric formation that allows a new switch that joins the fabric to automatically become a member
- Ability to remotely disable and enable individual ports
- Support NetFlow or equivalent

1.3.4.5 Software Defined Networks (SDN) — An application in SDN that manages flow control to enable intelligent networking.

1.3.4.6 Software Defined Networks (SDN) - Virtualized Switches and Routers — Technology utilized to support software manipulation of hardware for specific use cases.

1.3.4.7 Software Defined Networks (SDN) — Controllers - is an application in software-defined networking (SDN) that manages flow control to enable intelligent networking. SDN controllers are based on protocols, such as OpenFlow, that allow servers to tell switches where to send packets. The SDN controller lies between network devices at one end and applications at the other end. Any communications between applications and devices have to go through the controller. The controller uses multiple routing protocols including OpenFlow to configure network devices and choose the optimal network path for application traffic.

1.3.4.8 Carrier Aggregation Switches — Carrier aggregation switches route traffic in addition to bridging (transmitted) Layer 2/Ethernet traffic. Carrier aggregation switches' major characteristics are:

- Designed for Metro Ethernet networks
- Designed for video and other high bandwidth applications
- Supports a variety of interface types, especially those commonly used by Service Providers

Capabilities should include:

- Redundant Processors
- Redundant Power
- IPv4 and IPv6 unicast and multicast
- High bandwidth
- Low latency
- Hot swappable power supplies and fans
- MPLS (Multiprotocol Label Switching)
- BGP (Border Gateway Protocol)
- Software router virtualization and/or multiple routing tables
- Policy based routing
- Layer 2 functionality
 - Per VLAN Spanning Tree
 - Rapid Spanning Tree
 - VLAN IDs up to 4096
 - Layer 2 Class of Service (IEEE 802.1p)
 - Link Aggregation Control Protocol (LACP)
 - QinQ (IEEE 802.1ad)

1.3.4.9 Carrier Ethernet Access Switches — A carrier Ethernet access switch can connect directly to the customer or be utilized as a network interface on the service side to provide layer 2 services.

- Hot-swappable and field-replaceable integrated power supply and fan tray
- AC or DC power supply with minimum DC input ranging from 18V to 32 VDC and 36V to 72 VDC
- Ethernet and console port for manageability

- SD flash card slot for additional external storage
- Stratum 3 network clock
- Line-rate performance with a minimum of 62-million packets per second (MPPS) forwarding rate
- Support for dying gasp on loss of power
- Support for a variety of small form factor pluggable transceiver (SFP and SFP+) with support for Device Object Model (DOM)
- Timing services for a converged access network to support mobile solutions, including Radio Access Network (RAN) applications
- Support for Synchronous Ethernet (SyncE) services
- Supports Hierarchical Quality of Service (H-QoS) to provide granular traffic-shaping policies
- Supports Resilient Ethernet Protocol REP/G.8032 for rapid layer-two convergence

Category 1.4: WIRELESS.

Provides connectivity to wireless devices within a limited geographic area. System capabilities should include:

- Redundancy and automatic failover
- IPv6 compatibility
- NTP Support

1.4.1 Access Points — A wireless Access Point (AP) is a device that allows wireless devices to connect to a wired network using Wi-Fi, or related standards. Capabilities should include:

- 802.11a/b/g/n
- 802.11n
- 802.11ac
- Capable of controller discovery method via DHCP (onsite controller or offsite through Cloud Architecture)
- UL2043 plenum rated for safe mounting in a variety of indoor environments
- Support AES-CCMP (128-bit)
- Provides real-time wireless intrusion monitoring and detection

1.4.2 Outdoor Wireless Access Points — Outdoor APs are rugged, with a metal cover and a DIN rail or other type of mount. During operations they can tolerate a wide temperature range, high humidity and exposure to water, dust, and oil. Capabilities should include:

- Flexible Deployment Options
- Provides real-time wireless intrusion monitoring and detection
- Capable of controller discovery method via DHCP (onsite controller or offsite through Cloud Architecture)

1.4.3 Wireless LAN Controllers — An onsite or offsite solution utilized to manage Light-weight access points in large quantities by the network administrator or network operations center. The WLAN controller automatically handles the configuration of wireless access-points. Capabilities should include:

- Ability to monitor and mitigate RF interference/self-heal
- Support seamless roaming from AP to AP without requiring re-authentication
- Support configurable access control lists to filter traffic and denying wireless peer to peer traffic
- System encrypts all management layer traffic and passes it through a secure tunnel

- Policy management of users and devices provides ability to de-authorize or deny devices without denying the credentials of the user, nor disrupting other AP traffic
- Support configurable access control lists to filter traffic and denying wireless peer to peer traffic

1.4.4 Wireless LAN Network Services and Management — Enables network administrators to quickly plan, configure and deploy a wireless network, as well as provide additional WLAN services. Some examples include wireless security, asset tracking, and location services. Capabilities should include:

- Provide for redundancy and automatic failover
- Historical trend and real time performance reporting is supported
- Management access to wireless network components is secured
- SNMPv3 enabled
- RFC 1213 compliant
- Automatically discover wireless network components
- Capability to alert for outages and utilization threshold exceptions
- Capability to support Apple's Bonjour Protocol / mDNS
- QoS / Application identification capability

1.4.5 Cloud-based services for Access Points — Cloud-based management of campus-wide WiFi deployments and distributed multi-site networks. Capabilities include:

- Zero-touch access point provisioning
- Network-wide visibility and control
- RF optimization,
- Firmware updates

1.4.6 Mobile Device Management (MDM) — MDM technology utilized to allow employees to bring personally owned mobile devices (laptops, tablets, and smart phones) to their workplace, and use those devices to access privileged government information and applications in a secure manner. Capabilities should include:

- Ability to apply corporate policy to new devices accessing the network resources, whether wired or wireless
- Provide user and devices authentication to the network
- Provide secure remote access capability
- Support 802.1x
- Network optimization for performance, scalability, and user experience

Category 1.5: FACILITY MANAGEMENT, MONITORING, AND CONTROL.

Technology utilized in the management, monitoring and control of facilities. Technologies include:

- a. Access control systems
- b. Detection/Identification systems, such as surveillance systems, closed circuit television cameras, or IP camera networks and the associated monitoring systems.
- c. Response systems such as alert systems, desktop monitoring systems, radios, and digital signage.
- d. Building and energy controls

II. Value Added Services

For each Award Category above, the following valued services should also be available for procurement at the time of product purchase or anytime afterwards. This provided list of value added services is not intended to be exhaustive, and may be updated pursuant to the terms of the resulting Master Agreement

2.1 Maintenance Services — Capability to provide technical support, software maintenance, flexible hardware coverage, and smart, proactive device diagnostics for hardware.

2.2 Professional Services

- a. Deployment Services
 - i. Survey/ Design Services — Includes, but not limited to, discovery, design, architecture review/validation, and readiness assessment.
 - ii. Implementation Services — Includes, but not limited to, basic installation and configuration or end-to-end integration and deployment.
 - iii. Optimization — Includes, but not limited to, assessing operational environment readiness, identify ways to increase efficiencies throughout the network, and optimize Customer's infrastructure, applications and service management.
- b. Remote Management Services — Includes, but not limited to, continuous monitoring, incident management, problem management, change management, and utilization and performance reporting that may be on a subscription basis.
- c. Consulting/Advisory Services — Includes, but not limited to, assessing the availability, reliability, security and performance of Customer's existing solutions.
- d. Data Communications Architectural Design Services — Developing architectural strategies and roadmaps for transforming Customer's existing network architecture and operations management.
- e. Statement of Work (SOW) Services — Customer-specific tasks to be accomplished and/or services to be delivered based on Customer's business and technical requirements.
- f. Testing Services – Includes, but not limited to, testing the availability, reliability, security and performance of Customer's existing solutions

2.3 Fulfillment Partner's Services — Provided by Contractor's Fulfillment Partners.

- a. Subject to Contractor's approval and the certifications held by its Fulfillment Partner, many Fulfillment Partners can also offer and provide some or all of the Services as listed above at competitive pricing, along with local presence and support. Contractor, as the prime, has sole discretion to determine what Services as listed above may be provided by the Fulfillment Partners. As the primary Contractor (OEM), Contractor is ultimately responsible for the service and performance of its Fulfillment Partners. Customers may have the option to purchase the Services to be directly delivered by Contractor (OEM) or its certified Fulfillment Partners.

2.4 Training — Learning offerings for IT professionals on networking technologies, including but not limited to designing, implementing, operating, configuring, and troubleshooting network systems pertaining to items provided under the master agreement.