

**Schools and Libraries
Eligible Service Lists
Internal Connections List
Funding year 2008
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NOTE: Internal Connections are components located at the applicant site that are necessary to transport information to classrooms, publicly accessible rooms of a library and to eligible administrative areas or buildings. Internal Connections include connections within, between or among instructional buildings that comprise a school campus or library branch.

Service	Category	Description	Eligibility Yes/No	Qwest Spin Number
Access Point	Internal Connections	An Access Point is a base station in a wireless LAN. Access points are typically stand-alone devices that may plug into an Ethernet hub or server or may provide a repeater function for	YES	In Region and Out of Region 143001157
Antennas	Internal Connections	An antenna is a device for transmitting and/or receiving radio frequency signals.	YES	In Region :143005231 Out of Region: 143001157
Application Software	Internal Connections	Application software applies to software accessed directly by end users, such as word processors, spreadsheets, utility, anti-virus, and graphics programs.	NO	N/A
Asbestos Removal	Internal Connections	Some older buildings were constructed using products that contain asbestos, which has been determined to be harmful to health. Renovations and installations in such buildings require special treatment such as asbestos removal.	NO	N/A
Automatic Call Distribution System (ACD)	Internal Connections	An Automatic Call Distribution (ACD) system, typically used with a PBX, provides a means of automatically distributing calls evenly, on a next available agent basis so that productivity is maintained and inbound calls are handled efficiently. The system also allows the monitoring of operation on a real-time basis. Additionally, some systems compile historic reports that enable better utilization of resources in the handling of	NO	N/A
Automatic Route Selection (ARS)	Internal Connections	Automatic Route Selection (ARS) is a PBX and Centrex service that allows for automatic selection of the most efficient and cost-effective route. It may also be referred to as "least cost routing". By using the ARS feature, outgoing phone calls from PBX and Centrex stations are routed to the most cost-efficient	YES	In Region and Out of Region 143005231

Bridge	Internal Connections	A bridge is a data communications device that connects two or more network segments, often translating information from one type of network protocol to another.	YES	N/A
Broadcast and Cable Television Equipment	Internal Connections	Broadcast/cable equipment applies to equipment used in the transmission or receipt of broadcast TV, broadcast radio, broadcast satellite, or cable television service.	NO	N/A
Cable Modem	Internet Access or Internal Connection	A cable modem is a modem designed for use on a TV coaxial cable circuit and provides a high-speed data path. It can provide high-speed access to the Internet over a cable television line.	YES	In Region :143005231 Out of Region: 143001157
Cabling	Internal Connections	Cabling refers to the wires or groups of wires capable of carrying voice, video, or data transmissions. Cabling provides electrical (or, in the case of fiber optics, lightwave) connectivity between points.	YES	In Region and Out of Region 143001157
Caching	Internal Connections	Caching is a method that stores recently accessed information. Caching components such as caching servers store information locally so that the information is accessible more quickly than if it must be transmitted across a network from a distant server.	NO	N/A
Call Accounting System	Internal Connections	A Call Accounting System records information about telephone calls. It can provide comprehensive information about call costs by associating call records with users, phone extensions, or	NO	N/A
Call Sequencer	Internal Connections	An Automatic Call Sequencer is a component used with a PBX or Key system. The call sequencer distributes incoming telephone calls among a select number of stations or telephones. Some call sequencers are designed to generate statistical reports on number of calls and how calls were	NO	N/A
Cartridge Magnetic Tape	Internal Connections	Cartridge magnetic tape is used in tape backup devices, and provides replaceable and archivable storage capacity.	NO	N/A
CD/ DVD Player	Internal Connections	A Compact Disc or Digital Video Disc (CD/DVD) Player is a device that plays or reproduces the music, voice, and/or video from a CD or Digital Video Disc.	NO	N/A
Change Fees	Follows the category the service is under	Change fees are charges imposed for the modification of an existing service.	YES	Follows the SPIN the service is under
Channel Service Unit /Data Service Unit (CSU/DSU)	Internal Connections	A CSU/DSU is a device that terminates a digital channel at a customer's premises. A CSU/DSU often serves as a demarcation between a local network and wide area network facilities.	YES	In Region and Out of Region 143001157
Circuit Cards	Internal Connections	Circuit cards provide microprocessors, transistors, and other components on a circuit board. Circuit cards often are designed to fit into a slot of a larger component, such as a telephone PBX, router, or computer.	YES	In Region and Out of Region 143001157

Client Access Licenses	Internal Connections	A Client Access License is a software licensing approach used by some vendors that provides authorization to access a software product.	YES	In Region and Out of Region 143001157
CODEC / Video Encoder	Internal Connections	A CODEC (coder/decoder), also known as a video encoder, is a device comprising an encoder and decoder in the same equipment. The CODEC produces a coded output and compresses and decompresses audio and video signals.	YES	In Region and Out of Region 143001157
Conduit and Raceway	Internal Connections	Conduit and raceway are metal or plastic pipe or channels used to protect cable.	YES	In Region and Out of Region 143001157
Connectors	Internal Connections	Connectors are devices that connect wires or fibers.	YES	In Region and Out of Region 143001157
Consumable Components	Internal Connections	Consumables consist of miscellaneous components that are depleted with use, such as tape, splicing materials, labels, and .	YES	In Region and Out of Region 143001157
Contingency Fee	Follows the category the service is under	A contingency fee is a specific dollar allowance for possible unforeseeable elements that may occur within the scope of a project.	YES	Follows the SPIN the service is under
Copper-to-fiber (TX-to-FX) Converter	Internal Connections	A Copper-to-fiber converter, also known as a TX-to-FX converter, is a device that converts a copper connection to a fiber optic connection.	YES	In Region and Out of Region 143001157
Couplers	Internal Connections	Couplers are passive devices that accepts one input broadband signal and replicate it onto another or multiple outputs.	YES	In Region and Out of Region 143001157
Disaster Recovery	Internal Connections	Disaster recovery describes a means of restoring service to a computer network that has suffered a disaster. Such costs may include the rental of a site that houses links and equipment that is modeled after the damaged network.	NO	N/A
Documentation	Internal Connections	Documentation includes support material provided in the form of paper or electronic media. It may include diagrams, blueprints, equipment specifications, or instruction manuals for services and products.	YES	In Region and Out of Region 143001157
Domain Name Service (DNS)	Internet Access or Internal Connection	<u>Domain names, such as www.fcc.gov, are alphabetic, so they are easier to remember than the IP addresses on which the Internet is based. A Domain Name Service translate the alphabetical names input by users into the IP addresses used by Internet devices.</u>	YES	In Region :143005231 Out of Region: 143001157
Dynamic Host Configuration Protocol (DHCP)	Internet Access or Internal Connection	Standard networks need each computer to have a unique address for communication to take place. Dynamic Host Configuration Protocol (DHCP) is a system that provides this unique address from a central computer, so that each individual computer does not need to be separately configured.	Yes	In Region and Out of Region: 143001157

E911 Reader Board	Internal Connections	The E911 Reader Board is adjunct hardware for a PBX and is used to access E911 Emergency service.	YES	In Region and Out of Region 143001157
Electrical System Upgrades	Internal Connections	Electrical system upgrades refer to products and services that provide, upgrade, or enhance the provision of electrical power.	NO	N/A
E-mail	Internal Connections	E-mail stands for "electronic mail." E-mail, or electronic mail, is a system for sending text messages and other information across a network.	YES	In Region and Out of Region 143001157
Environmental Monitoring Components	Internal Connections	Environmental monitoring components provide information about heat, humidity, or other factors in order to provide a warning system for conditions that may affect the correct operation of equipment. For example, an environmental monitoring card is sometimes available as an optional feature of an uninterruptible power supply and is used to monitor the environmental conditions of a rack, computer room, or data	NO	N/A
Faceplates	Internal Connections	Faceplates are covers that fit over a jack, outlet, or dial.	YES	In Region and Out of Region 143001157
Fax Machine	Internal Connections	A facsimile, or fax, machine is a device in which the image of a document is electronically transferred over the telephone network and printed out elsewhere.	NO	N/A
Firewall	Internet Access or Internal Connection	A firewall is a hardware and software combination that sits at the boundary between an organization's network and the outside world, and protects the network against unauthorized	YES	In Region :143005231 Out of Region: 143001157
FRAD	Internal Connections	A Frame Relay Assembler/Disassembler (FRAD) is a communications device that breaks a data stream into frames for transmission over a Frame Relay network and recreates a data stream from incoming frames. A Frame Relay router serves the same purpose but provides more intelligence in avoiding congestion.	YES	In Region and Out of Region 143001157
Freight Assurances	Follows the category the service is under	Freight assurance fees are fees assessed to the purchaser for the guarantee of safe delivery to their premises of goods, <i>i.e.</i> , they provide shipping insurance.	YES	Follows the SPIN the service is under
Gateway	Internal Connections	A gateway is a network device that acts as an entrance to another network and often is used to connect two otherwise incompatible networks.	Yes	In Region and Out of Region 143001157
Hard Disk Drives	Internal Connections	Hard disk drives are storage devices that consist of magnetic platters that spin like a record player and magnetic pickup devices, called heads, that are like the needle of a record player. All this is sealed in a vacuum in order to maintain tight tolerances and enhance service life.	YES	In Region :143005231 Out of Region: 143001157

Homework Hotline Equipment	Internal Connections	Homework Hotline equipment provides an automated response or call routing system that provides information to callers about school assignments.	NO	N/A
Hub	Internal Connections	Hubs are central connection points for some types of local area networks with interconnecting cabling from many individual devices, such as computer workstations, printers, servers, and other hubs.	Yes	In Region and Out of Region 143001157
Intercom	Internal Connections	An intercom is an internal communication system, originally consisting of multiple speaker/microphone devices connected into an amplifier system. Now most intercoms are a part of telephone systems, although separate intercom systems continue to be used in many schools.	NO	N/A
Interface/Edge Device	Internal Connections	<u>An Interface or Edge Device is a physical device that can pass packets between some types of networks and an Asynchronous Transfer Mode (ATM) network. The device may be a router or Ethernet-to-ATM switch that directly connects to an ATM network.</u>	YES	In Region and Out of Region 143001157
Key System (KSU)	Internal Connections	A Key System, also known as Com Key System or a KSU, is a type of phone system that permits more than one telephone line, PBX extension, private line, or intercom line to appear on a single telephone.	YES	In Region and Out of Region 143001157
KVM Switch	Internal Connections	A keyboard-video-mouse (KVM) switch is a switchbox that is used to control two or more computers from a single keyboard, monitor, and computer mouse.	YES	In Region and Out of Region 143001157
Laptop / Notebook Computer	Internal Connections	A laptop or notebook computer is a lightweight portable computer designed for mobility.	NO	N/A
Lightning Arrestor	Internal Connections	A lightning arrestor is a device that protects equipment from lightning strikes and static.	NO	N/A
Local Area Network	Internal Connections	A Local Area Network (LAN) is a short distance data communications network used to link together computers and peripheral devices under some form of standard control. The LAN is most often connected by cabling or wireless links within the same building. A LAN consists of several components, including cabling, servers, computer workstations, network interface cards, printers, and data distribution equipment, such as network switches, hubs, and routers.	YES	In Region and Out of Region 143001157
Mast	Internal Connections	A mast is a pole or structure on which an antenna is placed.	YES	In Region and Out of Region 143001157
Master Control Unit	Internal Connections	A Master Control Unit (MCU) is a device that controls the main operating functions of a video system.	YES	In Region and Out of Region 143001157

Media Converter	Internal Connections	A media converter is a module that converts one type of media to another type of media for network compatibility. The actual media can vary, such as fiber, coax, or twisted pair.	YES	In Region and Out of Region 143001157
Memory Modules / Random Access Memory (RAM)	Internal Connections	A memory module is the electronic holding place for instructions and data that a computer's microprocessor can reach quickly. The module usually holds multiple Random Access Memory (RAM) chips. Common types are SIMM, DIMM, RDRAM, SDRAM.	YES	In Region and Out of Region 143001157
Monitor	Internal Connections	A monitor is the video display unit (television screen) that is used to display information from a computer.	YES	In Region and Out of Region 143001157
Multimedia Kits	Internal Connections	Multimedia kits provide a package of hardware and software that adds multimedia capabilities to a computer. A multimedia kit may include a CD ROM or DVD player, a sound card, speakers, and a bundle of CD ROMs.	NO	N/A
Multiplexer	Internal Connections	A multiplexer is electronic equipment that allows two or more signals to pass over one communications circuit. The circuit may be a telephone line, dedicated line, or radio signal. It provides an economic approach for transporting, for example, up to 24 voice-grade lines on a single circuit.	YES	In Region and Out of Region 143001157
Multipoint Control Unit	Internal Connections	A Multipoint Control Unit (MCU) is a bridging or switching device used for multipoint videoconferencing.	YES	In Region and Out of Region 143001157
Network Interface Cards (NICs)	Internal Connections	Network interface cards (NICs) are electronic devices that connect workstations, servers, or other devices to a network. NICs work with the network software and computer operating system to transmit and receive messages on the network.	YES	In Region and Out of Region 143001157
Network Interface Device	Internal Connections	A Network Interface Device (NID) is a component installed between a telephone network and the inside wire of a customer premises. The NID is usually provided by the telephone company and is the transition, or demarcation point, between the company's network and the customer's inside wiring.	YES	In Region and Out of Region 143001157
Network Management	Internal Connections	Network Management is a system of equipment or software used in monitoring, controlling, and managing a	NO	N/A
Network Switch	Internal Connections	<u>A switch is a mechanical or electronic device that completes or breaks an electrical path or that selects the paths for communication. More specifically, network switches provide capability similar to a network hub, but provide a dedicated bandwidth at each network port, rather than shared bandwidth among all ports.</u>	YES	In Region and Out of Region 143001157

Operating System Software	Internal Connections	Operating System software enables the basic operations of a computer system or other electronic device. For example, it can configure the communication paths between memory and storage, and provides basic functions for other software to <u>operate correctly</u> .	YES	In Region and Out of Region 143001157
Pager	Internal Connections	A Pager (also known as a Beeper) is the receiving end of a paging service and is a small device worn on the belt or carried in a handbag. Pagers provide text or voice messages or both.	NO	N/A
Per Diem	Follows the category the service is under	Per diem is a dollar amount designated to a vendor for daily expenses such as lodging and food. It may or may not include travel time.	YES	Follows the SPIN the service is under
Performance Bond	Follows the category the service is under	A Performance Bond, also known as a Bid Bond, is a legal obligation, generally obtained by the vendor or contractor from a third party, that guarantees the terms of the contract or agreement are met. In the event of default or failure to meet the terms, the bond would be used to complete the contracted	NO	N/A
Personal Computers/ Workstations	Internal Connections	Personal computers, or workstations, are computers designated or designed as end-user equipment. They may operate in a stand-alone environment or may be connected to a host computer as part of a network. They are differentiated from computers configured as servers that are designed to route information to and from end-user equipment.	NO	N/A
Personal Digital Assistant (PDA)	Internal Connections	A Personal Digital Assistant (PDA) is a handheld device that can provide several functions such as calendaring, telephone, and e-mail. Some PDAs have wireless networking features.	NO	N/A
Phone Modems	Internal Connections	Phone modems are devices that convert data signals into suitable form for transmission and receipt over a telephone	YES	In Region and Out of Region 143001157
Printer	Internal Connections	A printer is a device that receives computer information and prints it on paper.	NO	N/A
Private Branch Exchange (PBX)	Internal Connections	A PBX is a centralized telephone switching system located at a business or organization site. The PBX provides internal station-to-station dialing and access to the public switched network.	YES	In Region and Out of Region 143001157
Processor Terminator Card	Internal Connections	A processor terminator card is a device installed in a multi-processor computer to signal the computer that only one processor is installed.	YES	In Region and Out of Region 143001157
Proxy Server	Internal Connections	A proxy server is a device that sits between "trusted clients" (e.g., workstations inside an organization) and "untrusted clients" (e.g., the Internet) and provides security features and oftentimes address translation. To the untrusted clients, communication appears to be taking place with the proxy, even though the communication is passed to and from the trusted	YES	In Region and Out of Region 143001157

Public Address (PA) System	Internal Connections	A Public Address System allows the user to make announcements through the use of amplifiers and speakers.	NO	N/A
PVBX	Internal Connections	A Private Video Branch Exchange (PVBX) is a PBX designed for video information. A PVBX can link classrooms or other locations together and can interconnect end-user and other equipment, such as cameras, monitors, and videocassette recorders.	YES	In Region and Out of Region 143001157
Racks and Cabinets	Internal Connections	A rack is a metal supporting framework for mounting cables, equipment, and/or wires. A cabinet is an enclosure for equipment, terminating cables, connection devices, and/or	YES	In Region and Out of Region 143001157
Relay I/O Module	Internal Connections	A Relay I/O Module allows protection by an Uninterruptible Power Supply (UPS) for equipment not pre-designed for a UPS	YES	In Region and Out of Region 143001157
Remote Access Components	Internal Connections	Remote access components, such as a remote access router or communications server, allow users to access network resources by dialing in from an off-site location in order to connect their local computer with network devices. Dialing in most typically utilizes standard telephone lines but, in some cases, can be based on other technologies.	YES	In Region and Out of Region 143001157
Router	Internal Connections	Routers are switching devices that can act as an interface between two networks and connect different segments, such as departments or floors in a building. Functionally, routers select the routing path for traffic, may provide features such as load balancing, and can provide trouble-shooting diagnostic capabilities.	YES	In Region and Out of Region 143001157
Satellite Dishes	Internal Connections	Satellite Dishes are antennas capable of receiving signals from and, in some cases, transmitting signals to communications	YES	In Region and Out of Region 143001157
Servers	Internal Connections	Servers are computers on a local area network that can provide access to files, software, printers, or other features that are shared among multiple users.	YES	In Region and Out of Region 143001157
<u>Shipping Charges</u> (Miscellaneous Fees and Charges)	Follows the category the service is under	Shipping Charges are the charges associated with the delivery of products from their point of origin to the customer premises.	YES	Follows the SPIN the service is under
Software	Internal Connections	Software refers to the detailed instructions that operate a computer, distinct from the computer hardware.	YES	In Region and Out of Region 143001157
Spare Parts	Internal Connections	Spare parts are components on hand to replace hardware that fails	NO	N/A
Speakers	Internal Connections	Speakers are the components that provide sound from a computer, phone, intercom, or other device.	NO	N/A

Station Message Detail Recording (SMDR)	Internal Connections	Station Message Detail Recording (SMDR) and Call Detail Recording (CDR) are software/hardware PBX components that provide the ability to generate reports on call details. Those details include, but are not limited to, call duration, PBX station numbers, time and date, trunk route, dialed number, and cost of call.	NO	N/A
Storage Media	Internal Connections	Storage media includes products such as floppy disks and recordable CD ROM that provide replaceable storage.	NO	N/A
<u>Surge Protector (Data Protection—Ineligible)</u>	Internal Connections	Surge protectors provide electrical AC power outlets with circuitry that protects equipment against voltage spikes and	NO	N/A
Switchboard / Attendant Console	Internal Connections	The operation of a PBX or Centrex system may require the use of a switchboard or attendant console for the transfer of incoming calls to the appropriate extension when systems are not equipped with Direct Inward Dialing. The switchboard or attendant console may include Direct Station Selection (DSS), which provides an easy means for transferring calls.	YES	In Region and Out of Region 143001157
System Improvements and Upgrades	Internal Connections	A system improvement or upgrade provides enhanced functionality to an existing product or configuration of products.	YES	In Region and Out of Region 143001157
Tape Backup	Internal Connections	Tape Backup units provide copies of computer files on magnetic tape, for protection against a catastrophic failure. Tape backup technologies include QIC, DAT, 8mm, DLT, AIT, and ADR.	YES	In Region :143005231 Out of Region: Region: 143001157
Telephones	Internal Connections	Telephones, also known as telephone sets, telephone instruments, digital voice terminals, and voice terminals, are the end-user equipment used to transmit and receive telephone communications.	NO	N/A
Terminal Adapter	Internal Connections	A Terminal Adapter (TA) is a device that connects a computer to an external digital communications line, such as an ISDN line.	YES	In Region and Out of Region 143001157
Terminal Server	Internal Connections	<u>A Terminal Server is a specialized server that connects multiple terminals into a network. Traditionally, terminal servers were used to connect multiple "dumb" terminals into network resources but today are additionally used to provide increased connectivity and performance for older computer workstations or to provide remote access.</u>	YES	In Region and Out of Region 143001157
Termination Charges	Follows the category the service is under	Termination charges are fees assessed for the removal or discontinuation of a product or service.	NO	N/A
Test Equipment	Internal Connections	Test Equipment is used to test hardware, software, cable continuity, telecommunications links, etc.	NO	N/A

Transceiver	Internal Connections	A transceiver is a device that transmits and receives analog or digital signals. The term is used most frequently to describe the component in local area networks (LANs) that actually applies signals onto the network wire and detects signals passing through the wire. For many LANs, the transceiver is built into the network interface card (NIC).	YES	In Region and Out of Region 143001157
Travel Time	Follows the category the service is under	Travel time refers to the time required for service provider personnel to travel to and/or from locations necessary to provide eligible services.	YES	Follows the SPIN the service is under
Two-Way Radio	Internal Connections	Two-way radios are wireless end-user devices used to communicate, typically over short distances.	NO	N/A
Uninterruptible Power Supply (UPS) / Battery Backup	Internal Connections	An Uninterruptible Power Supply (UPS), also called a battery backup, is a device that provides backup electric energy to a piece of equipment in the event of a power failure.	YES	In Region and Out of Region 143001157
UPS Interface Expander	Internal Connections	A UPS Interface Expander allows an Uninterruptible Power Supply (UPS) to provide power management to multiple	YES	In Region and Out of Region 143001157
Video Amplifier	Internal Connections	A Video Amplifier is a device that strengthens the level of a video signal.	YES	In Region and Out of Region 143001157
Video Channel Modulator	Internal Connections	A Video Channel Modulator is a distribution box that takes standard video and audio input from video cameras, recorders, and other video components and distributes the signals to end users.	YES	In Region and Out of Region 143001157
Video Components	Internal Connections	Video components provide the capabilities and technologies to enable moving images on television screens or computer monitors.	YES	In Region and Out of Region 143001157
Virtual Private Network (VPN) Components	Internal Connections	A Virtual Private Network (VPN) uses encryption and/or tunneling services in order to provide highly secure communication over the public Internet or in some cases over point-to-point links.	YES	In Region and Out of Region 143001157
Voice Compression Module	Internal Connections	A Voice Compression Module allows voice and fax traffic to share the same lines as data and LAN traffic.	YES	In Region and Out of Region 143001157
Voice Interface Card	Internal Connections	Voice Interface Cards (VIC) are usually components of a router or PBX system that interface with internal systems and the public switched telephone network. Examples are FXO Cards, E&M Cards, and FXS Cards.	YES	In Region and Out of Region 143001157
Voice Mail Components	Internal Connections	Voice mail components allow users to receive voice messages left by telephone callers and may have other features, such as message forwarding.	YES	In Region and Out of Region 143001157

Voice/Fax Network Module	Internal Connections	A Voice/Fax module is an access product that enables the transmission of multiprotocol data--voice, fax and LAN--over telecommunications services.	YES	In Region and Out of Region 143001157
Voice/Video over IP (VoIP) Components	Internal Connections	Voice/video over IP (VoIP) components refer to equipment that utilizes the TCP/IP suite of protocols to provide voice and/or video communications.	YES	In Region and Out of Region 143001157
Web Server	Internal Connections	A web server is a computer server used to provide information to Internet users and can also be used to provide web-based software applications and other web-based functions.	YES	In Region and Out of Region 143001157
Wire Managers	Internal Connections	Wire managers are wire restraints to house or arrange wiring and cabling. They can be aluminum or plastic and may be rack-	YES	In Region and Out of Region 143001157
Wireless Local Area Network	Internal Connections	A Wireless Local Area Network provides the functionality of a local area network using wireless components rather than	YES	In Region and Out of Region 143001157
Wireless PBX Adjunct	Internal Connections	A Wireless PBX Adjunct functions in conjunction with a Private Branch Exchange to enable use of cordless telephones on an organization's premises.	YES	In Region and Out of Region 143001157