

FUNDING COMMITMENT REPORT FOR APPLICATION NUMBER: 0000142969

Funding Request Number: 0000227849 Funding Status: Unfunded or Denied
SPIN: 143005147 Service Provider Name: United Communications Systems, Inc.
Provider Contract Number: C
Services Ordered: Internal Connections (Shared)
Earliest Possible Effective Date of Discount: 07/01/1999
Contract Expiration Date: 08/15/1999
Pre-discount Cost: \$185,036.00
Discount Percentage Approved by the SLD: N/A
Funding Commitment Decision: 30.00 - Incl. svcs./ or product(s)
Funding Commitment Decision Explanation: 30% or more of this FRN includes a request for telephone sets, voice mail, E911, etc. as JCS listed in their 24 June letter.

Funding Request Number: 0000227853 Funding Status: Funded
SPIN: 143005231 Service Provider Name: U S WEST
Provider Contract Number: T
Services Ordered: Telecommunications Services
Earliest Possible Effective Date of Discount: 07/01/1999
Contract Expiration Date: N/A
Pre-discount Cost: \$13,300.00
Discount Percentage Approved by the SLD: 60%
Funding Commitment Decision: \$7,980.00 - 471 approved as submitted

EXHIBIT D

**Updates to Eligibility List
March 16, 1999**

REFERENCE AREA

S&L AREA

PROVIDER AREA

HELP

Updates to Eligible Services List (March 16, 1999)

(soon to be incorporated into the Eligible Services List)

Telecommunications Services Update

Additional Directory Listing: Not Eligible. Additional Directory Listings, for which a fee is charged, and charges for unpublished or unlisted telephone numbers, are not eligible for discounts.

Coin Telephone Service-also called Payphone Service: Not Eligible. Coin telephone service, also called payphone service, is not eligible for discounts. Similarly, the actual payphones themselves are not eligible for discounts.

Direct Inward Dialing Service: Eligible. Direct Inward Dialing service, which allows outside calls to be directed to a Private Branch Exchange station line without the use of an operator, is eligible for discounts.

Interactive Television: Conditionally Eligible. The components of interactive television that are the communications paths used for Interactive TV and inside cabling or wiring are eligible for discounts. Set top boxes, cable modems, televisions and other equipment are not eligible for discounts.

LAN Interconnect Service: Conditionally Eligible. LAN Interconnect Service, which connects various locations of a wide area network—typically through leased private line services—through facilities leased from a telecommunications common carrier, is eligible for discounts. If the service is not leased from a telecommunications common carrier, the service is not eligible for discounts.

Message Rate Service: Eligible. Message Rate Service, which is one method for billing local telephone calls based on the number of message units used during a billing period, is eligible for discounts.

Radio Loop: Eligible. Radio Loop is provided by a local exchange telecommunications carrier and is called Basic Exchange Telecommunications Radio Service (BETRS). The service is used by local telephone companies to provide dial tone to subscribers in certain circumstances. When used as a means of providing an otherwise eligible telecommunications service such as basic local service, the Radio Loop Service or BETRS is eligible for discounts.

Switched Megabit Data Service: Eligible. Switched Megabit Data Service, which is a high speed, connectionless, packet-switched data service using cell-relay technology, is eligible for discounts.

UNI Link-Port, Channel Termination and Mileage: Eligible. UNI Link-Port, Channel Termination and Mileage, which is the physical electrical and functional demarcation point between the user and the telecommunications carrier's public switched network facilities, is eligible for discounts.

Internet Access Service Update

No new issues have been raised or resolved: Internet access is eligible and Internet access training is not eligible for discounts.

Internal Connections Update

Antenna: Eligible. Antenna, a device used for transmitting, receiving or both transmitting and receiving signals, is eligible for discounts when used in conjunction with eligible services.

Broadband Amplifier: Conditionally Eligible. Broadband Amplifier, which is a device used to amplify UHF, VHF or FM radio signals greater than 3 Khz, is conditionally eligible for discounts. If used in the transmission of voice and data signals in conjunction with eligible internal connections, the Broadband Amplifier is eligible for discounts. If used in conjunction with ineligible internal connections, the Amplifier is not eligible for discounts.

Cable Box: Conditionally Eligible. Cable Box, which is CAT5 cable boxes and part of internal connections, is eligible for discounts. If the cable box is part of a coaxial television system, it is an attachment to the end of the cable for selecting cable channels and is not eligible for discounts.

Call Accounting System: Not Eligible. Call Accounting System, which provides comprehensive call costing by translating call record detail output based on a user profile, is not eligible for discounts.

Call Sequencer: Not Eligible. Call Sequencer, also called Automatic Call Sequencer, which is a device or adjunct piece of equipment used with a PBX or key system to distribute incoming telephone calls among a select number of telephones or stations, or to answer incoming telephone calls and provide prerecorded announcements, is not eligible for discounts.

Call System Console: Eligible. Call System Console is a component of PBX or key system and is eligible for discounts.

Cartridge Magnetic Tape: Not Eligible. Cartridge Magnetic Tape, which holds magnetic data of some type and is a storage device, is not eligible for discounts.

CD Rom Server: Not Eligible. CD Rom Server, which is a CD medium storage and processing server typically consisting of CD ROM Towers and multiple CD ROM drives, is not eligible for discounts.

Connector: Eligible. Connector, which is a device that electrically connects wires or fibers in cable to equipment, or other wires or fibers, is eligible for discounts. A connector at the end of a telephone cable or wire is used to join that cable to another cable with a matching connector or to some other telecommunications device.

Coupler: Conditionally Eligible. Coupler, which is a device installed to allow users to connect more than one television set to a cable feed entering a premises, is conditionally eligible for discounts. If the coupler is part of the installation of coaxial cable, then the coupler is eligible for discounts.

Disaster Recovery: Not Eligible. Disaster Recovery, which describes the means of restoring service to a computer network that has suffered a disaster, is not eligible for discounts. Such costs may include the rental of a site that houses links and equipment that is modeled after the network.

Domain Name Server: Eligible. Domain Name Server, which is a file server connecting to the Internet or software in a file server that is connected to the Internet containing the programs and files for domain name databases, is eligible for discounts.

E-Mail Server: Eligible. E-Mail Server, which is a file server that manages the traffic of electronic mail messages for the Internet, is eligible for discounts.

E-Mail Service: Eligible. E-Mail Service, which provides for the transmission of simple text messages and other embedded data, is eligible for discounts.

E-Mail Software: Eligible. E-Mail Software, which operates an E-Mail server, is eligible for discounts.

Electronic Library: Not Eligible. Electronic Library, which is a searchable version of the reference and periodical sections of a library, is not eligible for discounts. An On-Line Public Access Catalog System is not eligible for discounts.

File Server: Eligible. File Server to LAN Software, which is used to connect file servers on a LAN, is eligible for discounts.

File Transfer Protocol: Eligible. File Transfer Protocol, which is a file sharing protocol that operates at layers 5-7 of the OSI allowing transfer of text and binary files to and from users connected to the Internet, is eligible for discounts.

Head-End Equipment-CAT/Video: Not Eligible. Head-End Equipment-CAT/Video, which is the originating point of signal in cable TV systems, is not eligible for discounts.

Intercom System: Not Eligible. Intercom System, which is a stand-alone system and not integral as a bundled component of a PBX, Centrex or key system, is not eligible for discounts.

Key System: Conditionally Eligible. Key System, also known as Com Key System, 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, and is conditionally eligible. Only the costs associated with the common control unit and not any costs associated with telephone sets are eligible for discounts.

Lightning Arrester: Not Eligible. Lightning Arrester, which protects computer equipment from lightning and static, is not eligible for discounts.

Modem Card: Not Eligible. Modem Card, which is a modem in card form fitting into a slot of a computer's hard drive, is not eligible for discounts.

Modem Eliminator: Not Eligible. Modem Eliminator, which is a wiring device used in place of a modem to interconnect cables and devices typically connected by a modem, at distances up to several hundred feet, is not eligible for discounts.

Network Administration Software: Not Eligible. Network Administration Software (different from network operating software) which provides for minimizing accidental reconfiguration and aids control of client workstations, is not eligible for discounts.

Network Management Software: Not Eligible. Network Management Software (different from network operating software) specializing in the management of automated hardware and software inventory, configuration management, software metering and auditing and extensive reporting and advanced scripting tools, is not eligible for discounts.

Power Conditioner: Not Eligible. Power Conditioner, which features both undervoltage and overvoltage regulation and filters undesired noise, is not eligible for discounts.

Raceway: Conditionally Eligible. Raceway, which is a metal or plastic channel used for holding electrical or telephone wire is conditionally eligible for discounts. Raceway located inside an eligible entity's building as well as raceway between eligible buildings located on a single school campus not crossing the public right of way is eligible for discounts. Raceway used for electrical wiring or for a wide area network is not eligible for discounts.

Web Site Construction Software: Not Eligible. Web Site Construction Software is not

eligible for discounts.

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Please send comments and suggestions to comments@universalservice.org

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Last updated: 04/15/1999

EXHIBIT E

**Letter of Appeal
October 28, 1999**



CHENEY PUBLIC SCHOOLS

Serving the West Plains and Cheney Communities

520 FOURTH STREET, CHENEY, WA 99004 (509) 235-6205 FAX 559-4508

October 28, 1999

Letter of Appeal
Schools and Libraries Corporation
Box 125-Correspondence Unit
100 South Jefferson Road
Whippany, NJ 07981

Dear Schools and Libraries Corporation:

This is a letter of appeal regarding the Funding Commitment Decision (FCD) Letter submitted to the Cheney School District No. 360 (attachment A), Form 471 application number 0000142969, and Billed Entity Number 145439. The Funding Request Number (FRN) being appealed is 0000227849.

The Funding Commitment Decision Explanation states that "30% or more of this FRN includes a request for telephone sets, voice mail, E911, etc." When our *estimate* was submitted on Form 471 telephone sets were included since they were not excluded on CC Docket No. 96-45, Schools and Libraries Eligibility List under Private Branch Exchange (PBX), page 6 of 9 (attachment B). The only place I have found a reference to telephone sets is in a subsequent Eligibility Update, on page 3 of 4 under Key System (attachment C), that states "not any costs associated with telephone sets are eligible for discounts." A Key System and a Private Branch Exchange are two separate systems and I have not been able to find anything in the original eligibility list or updates to the eligibility list stating that telephone sets are not eligible for a Private Branch Exchange.

State law requires E911 equipment that transmits the exact location for the telephones on all PBX systems installed in Washington. The expense that is included in our PBX is by mandate, not by choice. Since it is required to be a part of the PBX it was included in the amount requested for reimbursement. Again, I am not aware of exclusions in the eligibility documentation provided by the Schools and Libraries Division regarding hardware required for E911 telephone location equipment.

The Form 471 that was submitted included our best *estimate* of the cost of items that in our opinion were eligible under the rules established by the SLC. The approved pre-discount cost of \$185,036.00 was calculated by the Schools and Libraries Division from the *actual* billing that was faxed to Mr. Mel Morrison at the SLD by Mr. Chris Wicklund of the Cheney School District (attachment D). Mr. Morrison, Mr. Wicklund, and Mr. Steve Walters of United Communications Systems, Inc. discussed the invoice at length on the telephone in order to determine the allowable items. The \$185,036.00 that was agreed to by the school district and the SLD is being rejected due to the fact that items we believe were not excluded constitute 30% or more of the funding request.

I am requesting that the Schools and Libraries Corporation reconsider the rejection of Funding Request Number 0000227849 and approve the amount of \$185,036.00.

The contact information for this appeal is:

David Sackville-West, Business Manager
Cheney School District No. 360
520 Fourth Street
Cheney, WA 99004
Telephone: 509-559-4501
Fax: 509-559-4508
E-mail: dsack@iea.com

Sincerely,



David Sackville-West
Business Manager

EXHIBIT F

**Administrator's Decision
April 18, 2000**

Box 125 – Correspondence Unit
100 South Jefferson Road
Whippany, New Jersey 07981

Administrator's Decision on Appeal-Funding Year 1999-2000

April 18, 2000

David Sackville-West, Business Manager
Cheney Public Schools
520 Fourth Street
Cheney, WA 99004

Re: Billed Entity Number: 145439
Application Number: 142969
Funding Request Number(s): 227849
Your Correspondence Dated: October 28, 1999

After thorough review and investigation of your appeal, the Schools and Libraries Division (SLD) of the Universal Service Administrative Company has resolved your appeal seeking approval of additional discounts for the 1999-2000 funding year. This letter addresses our decision concerning each Funding Request Number that was included in your letter of appeal for the Application Number cited above. If your letter of appeal addressed more than one Application Number, a separate letter will be issued to inform you of our decision on the appeal of each Application Number.

Funding Request Number: 227849
Decision on Appeal: Denied in full.

Denial Reason:

- Ineligible service - Your funding request included more than 30% of ineligible services which resulted in the denial of the entire amount of the FRN. Telephone sets are unquestionably ineligible products. The CC Docket No. 96-45 that you referenced in your appeal letter does list telephones as ineligible; it is listed under "telephones and telephone instruments."

If you feel further examination of your application is in order, you may file an appeal with the Federal Communications Commission, Office of the Secretary, 445 12TH Street, SW, Room TW-A325. Washington, DC 20554. Before preparing and submitting your appeal, please be sure to review the FCC rules concerning the filing of an appeal of an Administrator's Decision, which are posted to the SLD Web Site at <www.sl.universalservice.org>. You must file your appeal with the FCC no later than 30 days from the date of the issuance of this letter, in order for your appeal to be timely filed.

You should now move ahead, if you haven't already done so, with your Form 486 and related post-commitment arrangements for services for which funds have been committed and services have begun to flow. We thank you for your continued support, patience, and cooperation during the appeal process.

Schools and Libraries Division
Universal Service Administrative Company

EXHIBIT G

**CC Docket No. 96-45
December 2, 1999**

SCHOOLS AND LIBRARIES^{2, 3}

Eligibility List

SERVICE	ELEMENT/ DESCRIPTION	ELIGIBLE YES/NO	PARAGRAPH CITE
TELECOMMUNICATIONS SERVICES			
<p>The primary purpose of the services for which support is sought must be the delivery of services to the classrooms or other places of instruction at schools and libraries that meet the statutory definition of an eligible institution. Support for the administrative functions of library or education programs is permitted so long as the services are part of the network of shared services for learning. Support will be limited to services delivered to the onsite educational facility or facilities.⁴</p> <p>The Paragraph Cite column represents the paragraph from FCC 97-157, FCC 97-420, Appendix or the FCC Public Notice "Updated Frequently Asked Questions on Universal Service and the Snowe-Rockefeller-Exon-Kerrey Amendment" that is most closely associated with the particular service. The information in the column is not intended to be all inclusive and other references should be considered.</p> <p>To be eligible for support, Telecommunications Services must be provided by an eligible Telecommunications Service provider, that is, one who provides Telecommunications Service on a common carriage basis. A provider/carrier is providing services on a common carriage basis if it holds itself out to provide service generally to the public for a fee. A State commission may upon its own motion or upon request designate a common carrier that meets the requirements as set forth in the Communications Act of 1934, Section 214 {47 U.S.C. 241} (e) (2) Designation of Eligible Telecommunications Carriers.</p>			

Items in **Bold** indicate an addition or modification of a product or service.

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¹ Federal-State Joint Board on Universal Service, CC Docket No. 96-45, Report and Order, 12 FCC Rcd 8776 (1997).
ERRATA released 6/04/97 and 12/24/97.

² Eligible schools and libraries should receive discounts of between 20 and 90 percent on all Telecommunications services, Internet access and internal connections provided by Telecommunications carriers.

³ Eligible schools and libraries will be permitted to apply their relevant discounts to information services provided by entities that consist of:

- (i) the transmission of information as a common carrier;
- (ii) the transmission of information as part of a gateway to an information service, where that transmission does not involve the generation or alteration of the content of information but may include data transmission, address translation, protocol conversion, billing management, introductory information content, and navigational systems that enable users to access information services that do not affect the presentation of such information services to users; and
- (iii) electronic mail services [e-mail].

⁴ Formal position statement adopted by the Schools and Libraries Corporation Board of Directors on November 20, 1997.

<p>900</p>	<p>"900" is an information service area code, or dial access code, used to reach a wide range of information providers. Examples of the information that may be provided via a 900 number are adult content programming, weather reports, lottery results, or caller voting for various topics such as television polls. 900 Service calls are charged to the party originating the call. Charges for accessing 900 calls are often included in the toll charges on the local telephone bill. Calls made to 900 Service providers often include a preamble identifying the charges that will be incurred if the call is completed. 900 Service and the cost of dialing into a 900 Service Provider is not eligible for discount. The charges that are reflected on the telephone bill of schools and libraries are therefore ineligible for discount.</p>	<p>No</p>	<p>431 436 437</p>
<p>900/976 Call Blocking</p>	<p>A monthly, or recurring, telephone company charge for the blocking of calls to 900 or 976 numbers. The blocking prevents callers from completing calls to 900 or 976 numbers, which are not eligible for discount.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>ADSL</p>	<p>Asymmetrical Digital Subscriber Line, or ADSL, is a modem technology that transforms ordinary phone lines (also known as "twisted copper pairs") into high-speed digital lines for ultra-fast Internet access. ADSL also enables access to corporate networks for telecommuters, as well as exciting new interactive multimedia applications such as multiplayer gaming, video on demand and video catalogs. ADSL as a Telecommunications Service is eligible for discount. Internal Connections used to support ADSL are also eligible, so long as they are not otherwise ineligible. Such ineligible Internal Connections are modems.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Asynchronous Transfer Mode (ATM)</p>	<p>ATM is a high bandwidth switching technology that can handle all types of traffic such as voice, video, data, images, high quality audio and multimedia. It uses small, fixed size cells and is asynchronous because cells are transmitted through a network on an "as needed" basis and not merely transmitted during specific time intervals. It can be used for both WAN and LAN applications and provides a seamless interworking between the two. ATM is a technology designed to combine the benefits of switching technology with those of packet switching.</p>	<p>Yes</p>	<p>431</p>
<p>Basic Telephone Service</p>	<p>The basic telephone service provided by the telephone company.⁵ Basic telephone service includes both "Plain Old Telephone Service" and long distance telephone service. See POTS for complete description.</p>	<p>Yes</p>	<p>431 FCC Q & A. Public Notice July 2, 1997 Q. 6</p>
<p>Cable TV Access</p>	<p>Only if the service is provided as a commercially available Telecommunications Service, or part of Internet access, or an internal connection that is necessary to transport information to individual classrooms. Under the cite, cable providers are not</p>	<p>Conditional</p>	<p>§ 54.703 Appendix I Final Rules</p>

⁵ Please note that if ordering ONLY Basic Telephone Service and submitting a Form 471 application ONLY for Basic Telephone Service, you are not required to prepare, submit and have an approved Technology Plan.

	normally considered providers of interstate Telecommunications.		459
Cellular Service	<p>Technology that uses radio transmissions to access other telephone-company networks. Service is provided in a particular area by a low-power transmitter.</p> <p>The cost of Cellular service is eligible for discount, but the cost of telephones, or associated maintenance on the equipment is not.</p> <p>Cellular service is eligible for discount when provided for use at a place of instruction and for educational purposes. The service is not eligible when provided for such uses as security on school buses.</p>	Yes	748 FCC Q&A Public Notice July 2, 1997
CENTREX	A private communications system which consists of a wide variety of features provided by central office software and extended to the customer's premises via local distribution facilities.	Yes	431
Coin Telephone Service (Payphone)	Telephone service provided in a public, or semi-public, place and which requires the use of coins, credit card, pre-pay card or other means of payment for the telephone call, at the time of placing the call(s). Formally called coin telephones, payphone service allows the caller to pay for the call in number of ways, including prepaid, collect and third party billed. Both the payphone service and the cost of the actual payphones are ineligible for discount.	No	453 459 460
Digital Data Service	Sub-T-1 Facilities - Provides a 4 wire synchronous circuit at rates of 2.4, 4.8, 9.6, 56, 64 Kbps. It may be provided either hubbed or non-hubbed.	Yes	431
Digital Subscriber Line (DSL)	Digital Subscriber Line (DSL) is a technology that allows the transmission of voice, data and video over existing copper telephone lines at high speeds. DSL provides dedicated bandwidth that can be up to 278 times faster than a 28.8 Kbps modem, 143 time faster than 56 Kbps modem and 62 times faster than ISDN. There are other DSL technologies that can also qualify for "e" rate. They are SDSL, HDSL, IDSL and VDSL.	Yes	431 436 437

Direct Broadcast Satellite	Direct Broadcast Satellite (DBS) is a digital system that uses satellite to transmit TV programs to its subscribers. The transmitted signals are received using individual roof top antennas. Program reception of the subscriber is limited to those channels broadcast by a specific provider.	No	431
Directory Listing	Additional - Unlisted - Non-Published A telephone company directory contains an alphabetical listing, by name, of all telephone subscribers except those requesting unlisted or non-published service. Typically, the initial directory listing is provided free of charge to the subscriber. Additional listings are those in addition to the initial telephone listing. Unlisted numbers and those that are non-published incur additional recurring charges. Fees for an additional directory listing, an unlisted number and an unpublished number are not eligible for discount.	No	437
Direct Inward Dialing	Direct Inward Dialing (DID) service, which allows outside calls to be directed to a Private Branch Exchange station line without the use of an operator, is eligible for discount.	Yes	460
Distance Learning	A service that utilizes video and audio technologies allowing students who are remotely located from other students, or the lecturer to participate interactively with the class, and is eligible if provided as a Telecommunications Service.	Conditional	437
	Monitors	No	460
	Video Cameras	No	460
	Video CODEC (see Video Conference Section)	No	460
DS-1 (Digital Signal 1)	DS-1, which stands for Digital Signal 1, is the North American Digital Hierarchy signaling standard for transmission at 1.544 Mbps. DS-1 supports 24 simultaneous DS-0 signals. The term DS-1 is often used interchangeably with T-1, although DS-1 signals may be exchanged over other transmission systems. DS-1 is an eligible Telecommunications Service. DS-1 may also be provided as Dedicated Services under Site Specific services. DS-1 can also be offered through an Internet service provider as a component of an Internet package and, therefore, is eligible as Internet Access as well as a Telecommunications Service.	Yes	431 436 437
Fractionalized T-1	Provides a data rate between 56Kbps (DS-0) and 1.544 Mbps. It is typically used for LAN interconnection, video conferencing, high-speed mainframe connection and computer imaging. It is typically provided on four-wire copper circuits.	Yes	437

<p>Frame Relay Service</p>	<p>A form of packet switching utilizing smaller packets and requiring less error checking than more traditional forms of packet switching. A frame-based technology for the transfer of protocol-oriented data, frame relay is characterized by connection-oriented services up to 50 Mbps.</p>	<p>Yes</p>	<p>437</p>
	<p>UNI Link - Port, Channel Termination and Mileage These services provide the physical electrical and functional demarcation point between the user and the telecommunications carriers, public switched network facilities and are eligible for discounts.</p>	<p>Yes</p>	<p>437</p>
	<p>NNI Link - Port, DS1CT Connection, Permanent Virtual Connection (PVC) A permanent association between two DTE's (Data Terminal Equipment) established by configuration. PVC uses a fixed logical channel to maintain a permanent association between the DTE's. PVCs are widely used in X.25 networks and are the basis on which communications take place in a Frame Relay Network.</p>	<p>Yes</p>	<p>437</p>
<p>HDSL</p>	<p>HDSL is high-data-rate digital subscriber line. One of four DSL technologies, HDSL delivers 1.544 Mbps of bandwidth each way over two copper twisted pairs. HDSL requires two twisted pairs, so it is deployed primarily for PBX network connections, digital loop carrier systems, interexchange POPs, Internet servers, and private data networks.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>High Capacity Service</p>	<p>Digital transmission links with capacities of 1.544 Mbps to 274.176 Mbps. As an example: T-1s use two pairs of normal twisted wires and provide 24 voice channels, each one digitized at 64 Kbps. It is typically used to connect networks across remote distances.</p>	<p>Yes</p>	<p>437</p>
<p>Homework Hotline Service</p>	<p>This service typically provides a toll free telephone number for students to contact the school regarding questions on homework. The service is eligible as a Telecommunications Service. If the service is provided as a voice mail service, the voice mail service is ineligible. Additionally, only that portion of the service located at the school/classroom is eligible. Elements of the service located at, or originating from, the student location are ineligible. See Footnote 4 and SLC Board Position Statement on page 1.</p>	<p>Yes</p>	<p>444</p>

<p>ISDN</p>	<p>Integrated Services Digital Network (ISDN) is a system that provides simultaneous voice and high-speed data transmission through a single channel to the user's premises. There are two basic offerings that are standard ISDN service.</p> <p>(1) the Basic Rate (BRI), is 2B+D which provides for two 64 Kbps channels to carry voice or data plus a 16 Kbps signaling channel and</p> <p>(2) the Primary Rate (PRI), is 23B++D which provides twenty three 64 Kbps channels and a one 64 Kbps signaling channel. The "B" channels are used to carry the data information that is to be transmitted, while the "D" channel carries addressing and other call related information. As a commercially available Telecommunications Service, ISDN is eligible for discount.</p>	<p>Yes</p>	<p>437</p>
<p>Interactive TV (Television)</p>	<p>Interactive TV (ITV) provides a means for a viewer to interact with the television set in ways other than controlling the channel and the volume and handling videotapes. Illustrations of the type of interactive TV uses that may be selected are: choosing a video film for viewing from a central bank of films, playing an interactive game with other users of Interactive TV, voting, sending or receiving medical information; or providing other immediate feedback through the television connection, banking from home, and shopping from home.</p> <p>In an education setting such as in a school, ITV provides a means for teachers and students who are remotely located in different places to conduct a class and to interact with each other. ITV requires special "set-top box" to be added to the existing television set. ITV can be provided through a cable modem which extends the TV cable bandwidth to the television set, or via a personal computer</p> <p>Only the facilities, or communications paths, used for Interactive TV and inside cabling, or wiring, are eligible for discounts. Set top boxes, cable modems, televisions and other equipment are not eligible for discounts.</p>	<p>Conditional</p>	<p>437</p>
<p>LAN Interconnect Service</p>	<p>LAN Interconnect Service, which connects various locations of a wide area network—typically through leased private line services—through facilities leased from a telecommunications common carrier, is eligible for discounts. If the service is not leased from a telecommunications common carrier, the service is not eligible for discounts.</p>	<p>Conditional</p>	<p>437/</p>

<p>Local Loop</p>	<p>The Local Loop is the physical pair of wires that are used to deliver Telecommunications Services from the telephone company central office to the subscriber's location. Typically, the local loop ends at the Demarcation Point, or the point in the network where the responsibility of the telephone company ends and the subscriber's begins. In most cases that occurs at the Network Interface Device (NID), which is located at the building entrance point. The Local Loop is an eligible Telecommunications Service.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Local Measured Service</p>	<p>Local telephone companies use one of two methods to bill for local wireline service. The first method is Flat Rate in which all originating, or outgoing, local calls are billed at a fixed monthly rate. The other method is Local Measured Service in which the subscriber is permitted a small number of local calls, typically 50, with their basic service and then pays incrementally for additional originating calls. Terminating, or incoming calls, are not included and are included in the basic rate for the telephone service with no additional charge.</p> <p>The rate charged for the outgoing calls billed with Local Measured Service can be dependent on the time of day, day of week and distance.</p> <p>Local Measured Service is an eligible Telecommunications Service.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Long Distance Service & Charges</p>	<p>Long Distance Service and associated charges are eligible for discount. This is the service provided by interexchange long distance carriers that provides interstate and interLATA telephone calls.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Message Rate Service</p>	<p>Message Rate Service is one method for billing local telephone calls based on the number of units used during a billing period.</p>	<p>Yes</p>	<p>437</p>
<p>Non-Published Telephone Line Charge</p>	<p>These are the monthly charges incurred to have a telephone number not be published in the directory. Normally, telephone companies provide a listing of the telephone number in the white and yellow pages of the telephone directory free of charge to their business customers. Residential customers normally receive a free listing in the white pages. Some companies do not publish the subscriber's number in the directory, but will provide it with "Directory Assistance." This charge is ineligible for discount.</p>	<p>No</p>	<p>428</p>

<p>Paging Service</p>	<p>Paging is a service designed to deliver a message to a person whose exact location is unknown. The service employs selective radio signals that activate a paging receiver carried by the intended recipient to deliver a text, or voice message.</p> <p>The cost and maintenance of pagers, paging equipment is not eligible for discount.</p>	<p>Yes</p>	<p>FCC Q&A Public Notice July 2, 1997</p>
<p>Payphone Service</p>	<p>See Coin Telephone Service for description of service.</p>	<p>No</p>	<p>437</p>
<p>Permanent Virtual Circuit (PVC)</p>	<p>Permanent Virtual Circuits (PVCs) are shared connections between end-points and do not require the use of call set-up and tear-down procedures because each end-point is permanently allocated a portion of bandwidth. The path between users is fixed. If one or more end-points has no data to transmit, its portion of the bandwidth goes unused. PVCs play a central role in Frame Relay networks. They're also supported in some other types of networks, such as X.25.</p> <p>As a Telecommunications Service, the cost of PVCs is eligible for discount.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Personal Communications Services</p>	<p>Personal Communications Services (PCS) is an advanced wireless network architecture that uses radio transmissions to access other telephone-company networks.</p> <p>PCS is eligible for discount when provided for use at a place of instruction and for educational purposes. The service is not eligible when provided for such uses as communications on school buses.</p> <p>The cost of telephones, or associated maintenance on the equipment is not eligible for discounts.</p>	<p>Yes</p>	<p>FCC Q&A Public Notice July 2, 1997</p>
<p>POTS</p>	<p>Plain Old Telephone Service</p> <ul style="list-style-type: none"> Single Party Service Dual Tone Multi frequency (DTMF) signaling or equivalent Voice grade access to the public switched network Access to 911, or Enhanced 911 Access to operator services, interexchange service, directory assistance 	<p>Yes</p>	<p>FCC Q & A. Public Notice July 2, 1997 Q. 6</p>
<p>Programmed Audio Service</p>	<p>A channel for the transmission of complex signal voltage that is typically used for radio broadcasting, noncommercial educational audio and wired music.</p>	<p>Yes</p>	<p>437</p>

<p>Radio Loop</p>	<p>Radio Loop, is provided by a local exchange telecommunications carrier and is called Basic Exchange Telecommunications Radio Service (BETRS). BETRS is used by local telephone companies to provide dial tone to subscribers in certain circumstances, such as when it is either not technically possible, or cost effective , to provide the service by conventional means. When used as a means of providing an otherwise eligible Telecommunications Service it is eligible for discounts. BETRS should not be confused with Wireless Wide Area Networks, which are purchased, or built by a school or library.</p>	<p>Yes</p>	<p>437</p>
<p>Satellite Service</p>	<p>When provided by a Telecommunications Service Provider, or to access the Internet, satellite service is eligible for discount. Use of satellite services to participate in academic symposiums, or lectures, and for access to the Internet at local calling rates is eligible.</p> <p>Although identified as a Telecommunications Service, it should be noted that Satellite Service for Internet Access is also eligible and applications may be submitted reflecting that use.</p> <p>The equipment used for satellite access to the Internet is only eligible if leased, because this constitutes Wireless Wide Area Network equipment used for Internet Access. Wireless equipment used for voice and data (Telecommunications) is not eligible, if used for a Wireless Wide Area Network.</p>	<p>Yes</p>	<p>431 562 624 748</p>
<p>Serial Digital Video Service</p>	<p>Serial Digital Video Service at 270 Mbps is provided over standard fiber optic facilities for transporting a video signal that has been encoded to 270 Mbps in conformance with NTSC System M digital television equipment. SDVS-270 is designed for one-way, point-to-point applications.</p>	<p>Yes</p>	<p>431 436 437</p>
<p>Shared POTS</p>	<p>Same as POTS, except the service is shared between two entities. As an example, a telephone line may be shared between a parochial school and the church administrative offices. Only that portion of the service relating to the school would be eligible.</p>	<p>Conditional</p>	<p>437</p>
<p>SMDS</p>	<p>Switched Multi-Megabit Data Service (SMDS) is a high speed, packet switched data service that is independently-addressed and switched without prior establishment of a network connection or virtual call. SMDS is a switched service using cell-relay technology with the capability of offering transport capacity for data and images at speeds up to 45 megabits per second (Mbps), with potential extensions to 155 Mbps.</p>	<p>Yes</p>	<p>437</p>

Sub-voice Grade Facilities	Such as telegraph channel service.	Yes	437
T-1 (Trunk Level 1)	<p>T-1, or Trunk Level 1, is a digital transmission facility operating with a nominal bandwidth of 1.544 Mbps. T-1 is also referred to as DS-1 or Digital Signal Level 1 and in most cases is composed of 24 DS-0 channels. The T-1 transmission signal is the primary digital communications signal in North America and is an eligible Telecommunications Service. T-1 may also be provided as Dedicated Services under Site Specific services.</p> <p>T-1 can also be offered through an Internet Service Provider as a component of an Internet package and therefore can be listed as Internet Access, as well as a Telecommunications Service.</p>	Yes	431 436 437
Trunk	<p>A trunk is a communications path between two switching systems. The term switching systems typically includes equipment in a telephone company central office and a Private Branch Exchange (PBX). Central Office trunks connect a PBX to the switching system at the central office. Tie trunks connect two PBXs together. Most often trunks are provided by Telecommunications Service Providers and are eligible for funding.</p>	Yes	431 436 437
Toll Charges	IntraState, InterState, International	Yes	431
Unlisted Telephone Line Charges	<p>These are the monthly charges incurred to have a telephone number not be published in the directory, or provided by "Directory Assistance". Normally, telephone companies provide a telephone listing in the white and yellow pages of the telephone directory free of charge to their business customers. Residential customers normally receive a free listing in the white pages. Charges incurred to have a telephone line unlisted are not eligible for discount.</p>	No	428
Video Service	<p>A channel with one-way transmission capability for standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or two associated 5 or 15 kHz audio signals.</p> <p>Video Service is considered an eligible service, so long as the service is provided as a commercially available Telecommunications Service.</p>	Yes	431

INTERNAL CONNECTIONS			
<p>Internal connections are a component of the institution's internal connections only if that piece of equipment is necessary to transport information all the way to the individual classroom. They are connections between or among multiple instructional buildings that comprise a single school campus or multiple non-administrative buildings that comprise a single library branch, but do not include connections that extend beyond that single school campus or library branch.</p>			
911/E911 Enhancements to PBX	Enhancements to Private Branch Exchange (PBX) equipment to facilitate outgoing call traffic to 911/E911 Public Safety Answering Positions (PSAPs) can be used to bypass the system operator and individual station restrictions.	No	433
Address Blocking Unit	A Packet Switching device that directs workstations to talk to a particular server during boot up of the LAN network which allows for the terminals to be booted from the server they have been designated to talk to by the Address Blocking unit.	Yes	459 460
Antenna	<p>A device for transmitting, receiving or both transmitting and receiving signals. Antennas should not be confused with a radio tower, which is not eligible.</p> <p>Antennas as part of a Wireless Local Area Networks (LANs) are an eligible Internal Connection. Antennas used for Wireless Wide Area Networks (WANs) are eligible only if leased and used as part of cost effective access to the Internet. Antennas used for the transmission of voice and data over Wireless WANs are not eligible, nor are those that are purchased.</p>	Conditional	459 460
Asbestos Removal	The cost incurred in the removal of asbestos is not eligible for discount.	No	460
Automatic Call Distribution System (ACD)	An Automatic Call Distribution 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 ADC systems compile historic reports that enable better utilization of resources in the handling of incoming calls.	No	459 460
Automatic Route Selection (ARS)	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, PBX and Centrex stations are routed to the most cost efficient service, or facilities, to make outgoing telephone calls. The cost of the equipment required to provide ARS is eligible for discount.	Yes	459 460

Back Up Power Supply	A power supply that provides a source of power in the event the main power supply fails. The battery back up power supply is eligible only if part of, or used with, an eligible component.	Conditional	459 460
Battery Backup	A battery which provides power to a unit or system when the main AC power fails. The battery backup is eligible only if part of, or used with, an eligible component.	Conditional	459 460
Battery Module	The battery module is a component of Internal Connections that provides redundant and/or backup power supply. The battery module is eligible only if part of, or used with, an eligible component.	Conditional	459 460
Beeper	Beeper is a term used for a mobile pager. It is the receiving end of a paging service and is a small device worn on the belt, or carried in a handbag. Beepers provide text or voice messages, or both. The purchase of Beepers is not eligible for discount, nor is their maintenance or lease. Beeper/Paging Service is eligible as a Telecommunications Service.	No	460
Broadband Amplifier	A device utilized to amplify UHF, VHF or FM radio signals greater than 3 kHz. If used in the transmission of voice and data signals in conjunction with eligible internal connections, the Broadband Amplifier is eligible. If used in conjunction with ineligible Internal Connections such as video equipment, it is not.	Conditional	459 460
Broadband VHF & UHF Preampifiers	Broadband VHF & UHF Preampifiers are designed for use with wideband TV antennas. Preampifiers are electronic devices which maintain or establish an audio or video signal at a predetermined signal strength, prior to that signal being amplified for reproduction through a monitor or speaker. Preampifiers are not used in the delivery of Internet or Telecommunications to the classroom, or library patron. They are most often components of video or audio systems. Preampifiers are not considered eligible for discount.	No	459 460
Cabinet Mounted Power Strips	Cabinet mounted power strips are incidental to equipment cabinets installed to house eligible equipment. Power strips are considered eligible only if they are a component part of an eligible service or product.	Conditional	459 460