

**ACCESS SERVICE**11. Special Facilities Routing of Access Services11.1 Description of Special Facilities Routing of Access Services

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes. Diversity is a Basic Service Element (BSE) under the Telephone Company's Open Network Architecture (ONA) Plan.

11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

11.1.3 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in 6. preceding, Special Access Services as set forth in 7. preceding, and Special Federal Government Access Services as set forth in 10.6 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in 6. preceding; Voice Grade Special Access Services as set forth in 7.5 preceding and Special Federal Government Access Services as set forth in 10.6 preceding.

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

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**ACCESS SERVICE**11. Special Facilities Routing of Access Services (Cont'd)11.2 Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2.1 Diversity (USOC SYD++)

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed following:

<u>Customer Name</u>	<u>Description and Location</u>	<u>MTL/NRC MRC</u>	<u>Termination Liability Period</u>
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11.2.2 Avoidance (USOC SYA++)

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed following:

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**ACCESS SERVICE**

11. Special Facilities Routing of Access Services (Cont'd)

11.2 Rates and Charges for Special Facilities Routing of Access Services (Cont'd)

11.2.3 Diversity and Avoidance Combined (USOC SYB++)

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed following:

<u>Customer Name</u>	<u>Description and Location</u>	<u>MTL/NRC MRC</u>	<u>Termination Liability Period</u>
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11.2.4 Cable-Only Facilities (USOC SYC++)

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed following:

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**ACCESS SERVICE**12. Specialized Service or Arrangements12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within a LATA.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

12.2 Rates and Charges

Rates and charges and additional regulations, if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

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## ACCESS SERVICE

12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)

MCI WORLDCOM Network Services, Inc.

(A) Service Description

CenturyTel will provide MCI WORLDCOM Network Services, Inc. (WCOM) with TCP/IP data aggregation service. TCP/IP service is a modem aggregation product that provides dial-up port based remote access services. TCP/IP service provides integrated, remote analog & digital access to WCOM that may be utilized by WCOM's end users and the end users of WCOM's affiliates, clients, and resellers (collectively, End Users) to connect to WCOM's Internet network (WCOM Network) via modems referred to as network access servers (NAS) deployed in central offices operated by CenturyTel (CenturyTel COs). CenturyTel shall connect each NAS used in connection with the TCP/IP service to the Public Switched Telephone Network (PSTN) via ISDN primary rate interface, or other mutually-agreed comparable telecommunications facilities (collectively, PRI), and shall arrange for the dedicated assignment (or preservation, to the fullest extent possible) of unique telephone numbers for (or in use by) WCOM and End Users.

TCP/IP service includes all NAS equipment, telecommunications services and related facilities (including with out limitation active PRI lines, at least 40 lead trunk numbers (LTN) (with the exception of Single Number Routing ("SNR")), space, power, and other utilities), and ancillary support and maintenance required to connect a call that has been dialed into the PSTN (such call dialing a designated telephone number) to an active DS0 channel-equivalent port (i.e., PRI B-channel) on the corresponding NAS (TCP/IP Port). The demarcation of the TCP/IP service between CenturyTel and WCOM shall be at the connection of the NAS egress port at CenturyTel's central office.

TCP/IP service will provide local points of presence for WCOM within CenturyTel's franchised service areas. WCOM will not own or lease any TCP/IP service equipment, but will have exclusive operational control (i.e., logical access) of all NAS and related aggregation and out-of-band management equipment (collectively, NAS Equipment) used in connection with the TCP/IP service. This product will be configured via WCOM's specifications to allow monitoring and management of the NAS Equipment. CenturyTel's local network will provide the service from the local dial access to the delivery of TCP/IP and other protocols via the TCP/IP data aggregation equipment located at the CenturyTel Central Office. WCOM is responsible for obtaining facilities from CenturyTel's Central Office to the WCOM Point of Presence (POP).

TCP/IP service will utilize TCP/IP and other protocols based on IETF (Internet Engineering Task Force) standards. IETF is the engineering arm of the IAB (Internet Architecture Board). IETF defines protocol standards for Internet services. This tariff supports, at a minimum, the following standards:

IP	Internet Protocol
TCP	Transmission Control Protocol
SLIP	Serial Line IP
CSLIP	Compressed Serial Line IP
PPP	Point to Point Protocol
HSSI	High Speed Serial Interface

WCOM has the option of utilizing, as a feature of TCP/IP service, SNR in lieu of local telephone numbers, which are included as part of TCP/IP service, where technically feasible. This option enables End Users with CenturyTel local phone service in a defined geographic area (i.e., a LATA) to have access to WCOM via one specialized telephone number. The End User can initiate a call within the service area to WCOM and this call is treated as a local call by CenturyTel for the connection and duration of the call. This option is part of the WCOM Specialized Arrangement and is included where available in the rates and charges for TCP/IP service at no additional charge. The following two alternatives are offered to WCOM under this option:

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**ACCESS SERVICE**12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(A) Service Description – (Cont'd)

1. CenturyTel will assign a Single Number Routing telephone number from a 500 NPA; or
2. WCOM can provide CenturyTel with its own 555-XXXX telephone number acquired from the North American Numbering Plan Administration.

TCP/IP data aggregation services are available where facilities and conditions permit.

(B) Obligations of CenturyTel

Special Access Lines and Special Transport beyond the TCP/IP service are not included in the TCP/IP service port price and are available elsewhere in this FCC tariff.

CenturyTel is responsible to provide WCOM with a firm order confirmation notice, which will initiate the order process.

CenturyTel will notify WCOM of the completion and readiness of the requested TCP/IP site.

NAS Equipment to provide TCP/IP service requires the review and approval of CenturyTel. WCOM may propose alternative NAS Equipment platforms from time to time for CenturyTel's review and approval. NAS Equipment upgrades to the existing port base will be made at the discretion of CenturyTel. WCOM requests regarding the configuration and design of the NAS Equipment will be evaluated for network compliance and compatibility by CenturyTel and employed where feasible. WCOM may request that NAS Equipment or other equipment upgrades outside the scope of this arrangement be implemented and charged to WCOM on a time and materials basis.

CenturyTel will participate with WCOM in joint testing and turn-up activities for new and moved port activations, including, at a minimum, login and RADIUS authentication to the WCOM Network via the ports being tested.

CenturyTel shall perform all hardware maintenance and remote hands & eyes support for the NAS Equipment, in accordance with mutually agreed-upon support procedures.

CenturyTel will provide WCOM with seventy-two (72) hours notice in advance of scheduled Wire Center or Central Office maintenance that could adversely impact TCP/IP services.

(C) Obligations of WCOM

WCOM is responsible for obtaining all appropriate IP addresses.

WCOM is responsible to obtain the facilities required for the dedicated transport of their traffic from CenturyTel's Central Office to WCOM's point(s) of presence.

WCOM's NAS Equipment must be compatible with CenturyTel's equipment.

WCOM must maintain NAS Equipment software configuration, software management and authentication control.

WCOM shall furnish information as may be required by CenturyTel to design and maintain the service and to ensure that the service arrangement is in compliance with the regulations contained herein.

WCOM's NAS Equipment must be in compliance with FCC rules and regulations.

WCOM's specified NAS Equipment must be in compliance with published CenturyTel NEBS standards.

WCOM will participate with CenturyTel in joint testing and turn-up activities for new and moved port activations, including, at a minimum, login and RADIUS authentication to the WCOM Network via the ports being tested.

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## ACCESS SERVICE

12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(C) Obligations of WCOM – (Cont'd)

WCOM must notify CenturyTel of any firm order cancellations prior to CenturyTel initiating any service installation activities. Firm order cancellations received after installation has proceeded (but before joint acceptance) will incur charges for time and materials expended to-date.

WCOM, when requesting Single Number Routing, is responsible for purchasing a quantity of ports to accommodate originating dial-up traffic offered to a selected TCP/IP hub for aggregating and routing to WCOM's designated POP. CenturyTel shall ensure adequate network trunking to support call completion to WCOM SNR TCP/IP hubs and shall use all commercially reasonable efforts to correct any identified lack of network capacity, consistent with the then-current locations and port quantities of WCOM's SNR TCP/IP hubs. Any NAS Equipment moves by WCOM from non-SNR hubs to SNR hubs, or between SNR hubs if CenturyTel concurs it is necessary, shall not count against the 5% quarterly moves limitation set forth below. Traffic generated by virtue of SNR under this arrangement will be routed exclusively to CenturyTel-provided TCP/IP locations.

WCOM agrees to provide CenturyTel with at least ten (10) business days prior written notice before deploying new software on the NAS Equipment that would implement any new major features or functionalities (i.e., left-of-decimal software upgrade) on the NAS Equipment.

(D) Enrollment Period

TCP/IP modem based data aggregation service is provided to WCOM under this tariff with a three (3) year commitment period. All 575,000 base ports are committed for thirty-six (36) months from the tariff effective date. Each additional port is committed for thirty-six (36) months from the port install date. For base ports, billing will commence at the new rates on the tariff effective date. For new service implementations, billing will commence on the date that customer acceptance has been completed. Customer acceptance is defined as verification from WCOM that the new service is operational following execution of joint testing and turn-up activities.

This tariff transitions WCOM (previously referenced as UUNET) from previous FCC tariff arrangements with CenturyTel for data aggregation services. This tariff supersedes any previously tariffed terms and conditions agreed upon by WCOM, or any of its affiliates, and CenturyTel for TCP/IP service (including comparable modem based data aggregation services purchased from CenturyTel). Previous terms and commitments beyond the new three (3) year enrollment period are terminated as a result of this tariff agreement without application of any early termination fees, penalties or other charges.

(E) Rate Application

TCP/IP service rates will be applied on a monthly basis for all dial-up ports in service nationwide. Nationwide is defined as the aggregate of all dial-up ports for all of the CenturyTel Operating Companies, which includes the former Bell Atlantic, Nynex, GTE and Contel footprints. There are separate rates identified for existing base ports and additional ports as outlined below.

(F) Monthly Recurring Charges (MRCs)

<u>Port Type</u>	<u>Rate (MRC) Per Port</u>
Base (1-575,000)	\$29.00
Additional (575,001 +)	\$17.50

Rates include Single Number Routing, where available, and all applicable engineering, furnishment, installation (EF&I) service and hardware maintenance charges, and all applicable fees and surcharges (other than fees and surcharges that are imposed by the Federal Communications Commission or other government agency on the TCP/IP service subsequent to the effective date of this tariff). Rates do not include applicable taxes. Except as otherwise specified in this arrangement, no non-recurring charges shall apply with respect to the TCP/IP ports provided hereunder. When TCP/IP services utilize a PRI trunk group, D channels do not incur the above charges. The above rates become effective upon the effective date of the tariff.

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## ACCESS SERVICE

12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(G) Commitment Levels

WCOM's Minimum Port Commitment is to maintain (in the aggregate across all CenturyTel franchise areas) an in service base of 575,000 ports for the entire thirty-six (36) month term period with 200,000 additional ports to be installed by month thirty-six (36) of the arrangement, less any NAS Equipment buy-backs (as described below), Sold TCP/IP Ports (as defined below), cancelled ports due to missed FOC/CFA dates (as described below), and ANS/GridNet ports that will not be converted to TCP/IP (to be determined based on mutually agreed-upon procedures). All ports purchased by WCOM ISP entities, including PRI and other equivalent telecommunications services used to provide dial-up ports for the WCOM Network that are converted to TCP/IP Ports under this tariff (such conversion shall be made without the application of any early termination fees, penalties, or other charges) shall be deemed to count towards satisfaction of this Minimum Port Commitment.

Ports that are in the process of being moved (as described below) shall continue to be counted for purposes of determining whether WCOM has met its Minimum Port Commitment.

Beginning in month 37 of this arrangement and thereafter, this Minimum Port Commitment shall no longer apply, and WCOM shall not be committed to obtain any minimum number of ports from CenturyTel under this tariff.

(H) Cancellation of Service

If TCP/IP Ports are not made ready for service by CenturyTel no later than fifteen (15) calendar days following the applicable FOC/CFA dates specified in the firm order, WCOM may, at anytime prior to availability of the port, cancel the TCP/IP ports covered by that firm order upon written notice to CenturyTel, and (a) WCOM's Minimum Port Commitment shall be reduced by an amount equal to the number of TCP/IP Ports that were the subject of the cancelled firm order, and (b) WCOM shall have the right to repurchase (at the purchase price paid by CenturyTel to WCOM) any NAS Equipment sold by WCOM to CenturyTel in connection with such cancelled firm order.

(I) Customer Initiated Buy-Backs

WCOM at their discretion may choose to downsize their presence at any CenturyTel TCP/IP location by buying back NAS Equipment that was deployed for their dedicated use. CenturyTel will disconnect, pack and ship the designated NAS Equipment back to WCOM. Buy-back requests will be implemented using mutually agreed-upon engineering procedures. A non-recurring charge as specified below will be billed for each port that is removed from service. There are restrictions on the quantity of ports that can be removed from service in a given timeframe.

WCOM may buy back a maximum of 14,200 ports during the first year, which begins on the effective date of this tariff. During year two (2), WCOM may buy back a maximum of 2% of their nationwide quantity of installed ports which are in service (or in the process of being moved) on the one (1) year anniversary of the tariff effective date. During year three (3), WCOM may buy back a maximum of 30% of their nationwide quantity of installed ports which are in service (or in the process of being moved) on the two (2) year anniversary of the tariff effective date.

For buy-back of ports that are in the process of being moved, the "buy back year" will be based upon the date (in relation to the 36-month enrollment period of this arrangement (as specified above)) that the port(s) was taken out of service to initiate the move.

WCOM's Minimum Port Commitment is reduced as a result of buy-back activities. The buy-back will be applied to the 575,000 base ports and the 200,000 additional ports, as applicable depending on the port types being bought back by WCOM.

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## ACCESS SERVICE

12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(I) Customer Initiated Buy-Backs – (Cont'd)

Charges for customer initiated equipment buy-backs are applied on a one-time non-recurring charge (NRC) basis for each port that is purchased.

Port Installation Date	Rate (NRC) per Port Removed		
	Buy-back Year (Enrollment Period)		
	Year 1	Year 2	Year 3
Prior to 1998 Installs	\$375	\$250	\$100
1998 Installs	\$525	\$375	\$150
1999 Installs	\$570	\$435	\$285
2000 Installs	\$645	\$465	\$305
2001 Installs		\$270	\$200
2002 Installs			\$270

For buy-back activities, WCOM may choose between the above rate structure or pay for the remaining life of the three (3) year term at the per port monthly rate applicable to the individual port, whichever is lower.

During the first thirty (30) calendar days after the effective date of the tariff, WCOM may cancel any pending orders, or ports installed per the WCOM capacity plan, for TCP/IP service (including comparable modem based data aggregation services purchased from CenturyTel) provided by CenturyTel to WCOM or its affiliates that have not yet been installed by CenturyTel, for a one-time \$25.00 non-recurring charge per port. Such cancellation shall not count towards the year one (1) buy-backs that otherwise might apply to such activities under the tariff.

(J) Customer Initiated Moves

WCOM can move (disconnect and reconnect) dial-up port capacity from one CenturyTel TCP/IP location to another, up to a maximum of 5% per quarter of the total ports in service at the start of each calendar quarter (January, April, July, October) ("Quarterly Move Allotment").

Following the completion of the parties' joint pre-planning and engineering work, the parties shall use all commercially reasonable efforts to place the moved ports back in service within ninety (90) calendar days, or such other reactivation time period as may be mutually agreed-upon by the parties at the time of disconnect. Move requests will be implemented using mutually agreed-upon engineering procedures, and may result in the swap-out of NAS Equipment on a port-for-port basis (at WCOM's election and expense, if any). Hardware components being moved (and swapped, if applicable) must be compatible with the hardware/software configuration at the receiving TCP/IP location. Disconnect and reconnect move orders will be processed concurrently and standard CenturyTel operational processes and implementation timeframes will be utilized.

For the first thirty (30) calendar days following the tariff effective date for this arrangement, WCOM may identify and execute move activities (at a flat \$25 per port rate) that do not count against the 5% per quarter limitation. The joint objective is that moved ports be reinstalled and placed back in service within one hundred twenty (120) calendar days after the effective date of tariff.

Charges for moves are applied on a one-time non-recurring charge (NRC) basis for each in service port (i.e., lit B-channel passing dial-up traffic) that is moved. MRC billing for the ports will be discontinued during the move process and will be reinstated at the time the move is completed. Once reinstated, the ports will be billed for the remaining duration of the thirty-six (36) month term at the same base or additional port MRC as originally charged for the port. Out-of-service days during the move of a port will not count against satisfying the thirty-six (36) month commitment period for the port. Detailed project planning will be required by both parties in order to establish mutually agreeable timelines for port moves. Unless otherwise agreed, or unless CenturyTel is not able to implement service to a moved port within 105 calendar days, billing for moved ports shall commence no later than 105 calendar days from the date the port was taken out of service for the move.

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## ACCESS SERVICE

12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(J) Customer Initiated Moves – (Cont'd)

<u>Rate (NRC) per In Service Port Moved :</u>	
First 60% of Quarterly Move Allotment:	\$25 per Port
Next 40% of Quarterly Move Allotment:	\$45 per Port

(K) Service Enrollment

WCOM must specify in writing to CenturyTel that they elect to subscribe to the TCP/IP service as set out in this tariff. The minimum TCP/IP service for a Central Office site in which NAS Equipment is located is 138 dial-up ports.

(L) Periodic Reviews

The parties shall meet monthly on or about the last business day of each month to reconcile port counts and determine, for billing purposes, the number of TCP/IP Ports that shall be deemed to have been active for that month.

WCOM's service commitment will be reviewed quarterly on or about the last business day of each calendar quarter (January, April, July, October) following the tariff effective date. WCOM in-service port counts, port moves, port buy-backs, port installs, and SNR activity will be identified and jointly reconciled by WCOM and CenturyTel staffs. Any required reporting or billing adjustments will be agreed upon and executed within thirty (30) calendar days of completion of the reconciliation process. In the event that a final reconciliation is not agreed upon by WCOM and CenturyTel within thirty (30) days, the issue will be escalated to executive management of both companies for resolution.

(M) Shortfall Charge

At the final thirty-six (36) month review, WCOM will be notified in writing as to the status of their overall commitment requirements. This notification will inform WCOM of any shortfall in the quantity level below the Minimum Port Commitment, as specified above. At the final review, if the number of TCP/IP ports is below the Minimum Port Commitment, a one-time charge of \$630 per port will be assessed for dial-up port quantity shortfalls of in-service ports below the Minimum Port Commitment.

(N) Service Availability

The CenturyTel objective level of service availability will be 95% of the monthly hours of operation for each Central Office. Should the service availability actually be less than 95% of the monthly hours for the average port of a Central Office (e.g., 30 days x 24 hours x .95 = 684 hours), WCOM will receive a credit of 40% of the monthly bill for that Central Office. Force Majeure events that impact service and which CenturyTel could not have prevented through the use of reasonable precautions will not be subject to the above penalty calculation.

(O) Withdrawal of Service Areas

In the event that CenturyTel ceases to offer TCP/IP service in a CenturyTel CO in which TCP/IP service is offered at any point under this tariff, through transfer of ownership of the CenturyTel CO to a non-CenturyTel entity, CenturyTel shall request the new owner to continue to provide service equivalent to CenturyTel's TCP/IP service at such CO, and shall, if the new owner agrees to continue the service, use commercially reasonable efforts to facilitate a smooth transition of TCP/IP service to the new provider. Notwithstanding the foregoing, with respect to any TCP/IP Ports deployed in such CenturyTel COs ("Sold TCP/IP Ports"), WCOM shall have the right (and reasonable opportunity following written notice from CenturyTel) to terminate such Sold TCP/IP Ports prior to their transfer to the new provider without the application of any early termination fees or other charges, and to repurchase the associated NAS Equipment from CenturyTel at the then-current depreciated book value (with no other charges applying). CenturyTel shall ship such NAS Equipment to WCOM at WCOM's expense. NAS Equipment repurchases resulting from Sold TCP/IP Ports shall not count towards the annual limit of regular buy backs specified in the tariff. In addition, and regardless of whether WCOM terminates such Sold TCP/IP Ports, the Minimum Port Commitment shall be reduced by the number of such Sold TCP/IP Ports.

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**ACCESS SERVICE**12. Specialized Service or Arrangements –(Cont'd)12.2 Rates and Charges – (Cont'd)(P) Duration of Tariff and Renewal Option

This arrangement shall remain in effect so long as TCP/IP Ports are being provided under it.

At the expiration of the initial 36-month period following the effective date of this tariff, and subject to payment of any shortfall charge, the Minimum Port Commitment, adjusted as set out above, shall expire and shall no longer be binding.

During the period in which this tariff remains in effect after the expiration of the initial 36-month port term that applies to each TCP/IP Port ordered hereunder, (a) CenturyTel will continue with billing for such ports on a month-to-month basis at the MRC rates identified in this tariff, (b) WCOM may cancel any such ports upon sixty (60) days written notice, and (c) CenturyTel may cancel such ports by providing WCOM with one hundred eighty (180) calendar day notification that such ports will be terminated.

CenturyTel may terminate this tariff, with termination effective at any time after completion of the initial 36-months following the effective date of the tariff, by giving WCOM one hundred eighty (180) calendar day notice. Such termination shall not apply to TCP/IP Ports that are in service at the termination date, and this tariff shall remain in effect for such ports until the ports are terminated in accordance with the preceding subsection. Upon termination of this tariff, WCOM may not order any new TCP/IP Ports.

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**ACCESS SERVICE**13. Exceptions to Access Service Offerings

The service offered under the provisions of this tariff are subject to availability as set forth in 2.1.4 preceding. In addition, the following exceptions apply:

(Paragraphs 13.1 through 13.5 following are reserved for future listing. In the meantime, in planning an end-to-end service, the customer should contact the Telephone Company in each customer premises city to assure itself that all of the service or service components required for a given customer service are currently available).

The following service(s) is (are) not offered in the operating territory of listed Issuing Carriers.

## 13.1 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations. No inside moves, rearrangements or additions will be permitted.

## 13.2 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations. Inside moves or rearrangements may be undertaken. However, no additions will be permitted.

## 13.3 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations where additional units may be added for growth. Inside moves or rearrangements may be undertaken.

## 13.4 (Reserved for future use.)

The following offering(s) is (are) limited to existing locations where additional units may be added for growth. However inside moves or rearrangements will not be permitted.

## 13.5 (Reserved for future use.)

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**ACCESS SERVICE**14. Coin Services14.1 General

This section contains the rules and regulations pertaining to the provision of 1+ Coin Presubscription Service for the handling of 1+ interLATA sent-paid traffic from the Telephone Company's pay telephones.

14.2 Service Description

1+ Coin Presubscription Service provides the routing of 1+ interLATA sent-paid calls from Telephone Company pay telephones to the presubscribed 0+ Interexchange Carrier (customer) directly, to its designated secondary service provider, or to the default carrier, provided said carrier continues to accept such default traffic. The default carrier option will expire when the default carrier ceases to accept such traffic or when the presubscribed 0+ provider is able to handle such calls or route them to secondary service provider, whichever comes first. The customer has the following options:

- (1) to receive both 0+ and 1+ interLATA calls originated from Telephone Company pay telephones; or,
- (2) to receive the 0+ interLATA calls and select one secondary service provider per LATA to receive the 1+ interLATA sent-paid traffic; or,
- (3) to receive the 0+ interLATA calls and continue to default the 1+ interLATA sent-paid calls until the presubscribed 0+ provider is ready to handle (to receive both 0+ and 1+ interLATA calls or to receive 0+ interLATA calls and select a secondary service provider per LATA for 1+ interLATA calls) such calls.

The customer is solely responsible for all 0+ and 1+ interLATA calls originating from the Telephone Company pay telephone when it handles 1+ interLATA sent-paid traffic or selects a secondary service provider to handle the 1+ interLATA sent-paid calls.

The Telephone Company must receive written authorization from the customer prior to routing 1+ interLATA sent-paid calls to the selected secondary service provider. If the customer selects a secondary service provider to handle 1+ interLATA sent-paid traffic, any arrangements will be solely between the customer and its selected secondary service provider.

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**ACCESS SERVICE**14. Coin Services (Cont'd)14.3 Service Provisioning

The Telephone Company will provide 1+ interLATA sent-paid coin access from equal access end offices to the customer's designated location via Telephone Company's access tandems, at the customer's option or via direct routed trunks from the end office.

The Telephone Company will generally provide, where available, one of two types of call setup signaling from its pay telephones, Tandem Access interLATA Sent-Paid (TAISP) signaling or Exchange Access Operator Services System (EAOSS) signaling to the CDL dependent upon the access tandem technology type. Modified Operator Services signaling (MOSS) is only available via direct routed trunks from the end office to the CDL, and is not offered via access tandems. Where the customer has ordered direct routed trunks from the end office to the CDL, either MOSS or TAISP/EAOSS signaling may be provided, at the option of the customer, as long as the end office is suitably equipped.

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**ACCESS SERVICE**14. Coin Services (Cont'd)14.4 Collection and Remittance of Coin Station Monies

When the customer is provided Operator Trunk-Coin or Combined Coin and Non-Coined or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access as set forth in Section 6., the Telephone Company will collect sent-paid monies from pay telephone stations and will remit monies to the customer as set forth in 14.6.4. The Telephone Company will provide message call detail format and bill periods used to determine the monies upon request from the customer.

14.5 Provision of Message Call Detail Concerning Coin Station Monies

Where Operator Trunk-Coin or Combined Coin and Non Coin or Operator Trunk-Full Feature Optional Features for sent-paid pay telephone access is provided to the customer and the customer wishes to receive the monies it is due for the monies collected by the Telephone Company from coin pay telephone stations, the customer shall furnish to the Telephone Company, at a location specified by the Telephone Company, the customer message call detail for the customer sent-paid (coin) pay telephone calls in accordance with the Telephone Company collection schedule. The customer message call detail furnished shall be in a standard format established by the Telephone Company. The Telephone Company will provide to the customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will provide notification to the involved customer six months prior to the change. If no customer message call detail is received from the customer for each bill period established by the Telephone Company, the Telephone Company will assume there were no customer sent-paid (coin) pay telephone calls for the period. In addition the customer shall furnish a schedule of its charges for sent-paid (coin) calls to the Telephone at a location and date as specified by the Telephone Company. Any change in the customer's schedule of charges shall be furnished to the Telephone Company one day after the change becomes effective.

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**ACCESS SERVICE**14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies

The Telephone Company will collect the monies from coin pay telephone stations and will determine and remit amounts due to a customer which is provided Operator Trunk-Coin or Combined Coin and Non-Coin or Operator Trunk-Full Feature Optional Features from sent-paid pay telephone access as set forth in Section 6. as follows:

14.6.1 Bill Period Coin Revenue

The Telephone Company will establish a collection schedule for each coin pay telephone station and will collect the monies from the coin pay stations based on this collection schedule. The monies collected based on this schedule during each bill period established by the Telephone Company will be identified by coin pay telephone station and summed to develop the Bill Period Coin Revenue for each coin record day (i.e., the day a record is prepared and dated to show the amount due the customer).

14.6.2 Total Customer Coin Revenue

The interstate Total Customer Coin Revenue will be determined by the Telephone Company based on the customer message call detail received from the customer for each bill period and the customer's schedule of charges for sent-paid coin calls. Such Total Customer Coin Revenue will be developed each coin record day.

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**ACCESS SERVICE**14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies (Cont'd)14.6.3 Recourse Adjustments

For each coin record day, the Telephone Company will subtract from the Total Customer Coin Revenue an amount for coin station shortages. Coin Station shortages are amounts resulting from unauthorized calling at coin pay telephone stations, use of unauthorized coins (i.e., foreign coins, slugs and improper use of U.S. pennies), unauthorized removal of coins from coin pay telephone stations and coin refunds beyond the Telephone Company's control. Such amount for coin station shortages will be developed by the Telephone Company by multiplying the Total Customer Coin Revenue for each coin record day by a shortage factor. Such amount will be rounded to the nearest penny. The shortage factor will be determined by dividing the yearly total coin shortages amount by the yearly total coin revenue amount (i.e., total coin revenue equals the coin revenue due under exchange tariffs, state toll tariffs, and interstate toll tariffs). The total coin shortage amount and the total revenue amount will be determined by the Telephone Company through an annual special study.

14.6.4 Payment of Net Customer Coin Revenue

The Telephone Company will determine the Net Customer Coin Revenue for each coin record day by subtracting from the Total Customer Coin Revenue determined as set forth in 14.6.2 preceding the amount for coin station shortages determined as set forth in 14.6.3 preceding. On the date (payment date) determined by adding 45 days to the coin record day, the Telephone Company will remit payment to the customer for the Net Customer Coin Revenue.

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**ACCESS SERVICE**14. Coin Services (Cont'd)14.6 Payment of Coin Sent-Paid Monies (Cont'd)14.6.5 Audit Provisions

Upon reasonable written notice by the customer to the Telephone Company, the customer shall have the right through its authorized representative to examine and audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all such records and accounts as may under recognized accounting practices contain information bearing upon the determination of the amount payable to the customer. Adjustment shall be made by the proper party to compensate for any errors or omissions disclosed by such examination or audit. Neither such right to examine and audit nor the right to receive such adjustment shall be affected by any statement to the contrary, appearing on checks or otherwise unless such statement expressly waiving such right appears in a letter signed by the authorized representative of the party having such right and delivered to the other party.

All information received or reviewed by the customer or its authorized representative is to be considered confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

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**ACCESS SERVICE**15. Centralized Equal Access Serving Wire Center15.1 General

This section lists those Telephone Companies that provide FGD and BSA-D service within a Centralized Equal Access ("CEA") Telephone Company access tandem network. Also, those locations for which the Telephone Company has designated the serving wire center(s) and/or an interconnection point(s) for a CEA Telephone Company access tandem network are shown below. The following locations are listed by state. Local Transport charges will be calculated based on regulations set forth in 6.5.2 (A). When a customer connects to a CEA tandem network at an interconnection point that is not designated as a serving wire center, Local Transport mileage will be measured to the designated serving wire center for that interconnection point, as set forth below. Serving wire centers, CEA Telephone Company access tandems and subtending end offices and the associated V&H coordinates are found in the National Exchange Carrier Association Tariff FCC No. 4.

15.2	<u>State</u>	<u>Serving Wire Center</u>	<u>Interconnection Point</u>
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**ACCESS SERVICE**16. Operator Services

Operator Services described in this Section will be provided to customers as an optional feature in conjunction with FGC, FGD, BSA-C or BSA-D Switched Access Services from Telephone Company Operator Service switching locations. Operator Services include Operator Transfer and Inward Operator Assistance functions which enable a customer to provide operator related services to their end users. A customer may order both Operator Transfer and Inward Assistance services or may order them individually.

16.1 General Description16.1.1 Operator Transfer Service

Operator Transfer Service is an originating service that provides call routing of 0 (the digit 0 with no additional digits) interLATA calls to a participating customer as requested by the calling end user. Operator Transfer Service is provided when an end user dials "0" and is routed to the Telephone Company's operator requesting assistance in completing an interLATA call.

When a 0 call originates from an end office not converted to equal access, the operator will transfer the 0- call, via FGC or BSA-C, to AT&T. When a 0- call originates from an end office converted to equal access, the operator will ask the end user to identify the participating customer to which they desire to be connected. The operator will then transfer the 0- call, via FGD or BSA-D, along with Automatic Number Identification to the designated customer.

If the end user has no preference, or the identified customer has not subscribed to Operator Transfer Service, the end user will be asked to select from a list of participating customer. The list of participating Operator Transfer Service customers will be updated monthly. The order in which participating customers will appear on the list will be initially determined by use of a lottery. For each subsequent monthly update, following the initial selection, the customers in the first position will be moved to the last position on the list. All other customers will be moved up on position. New Operator Transfer Service customers will be placed at the bottom of the list of participating customers pending the next monthly update.

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**ACCESS SERVICE**16. Operator Services (Cont'd)16.1 General Description (Cont'd)16.1.2 Inward Operator Assistance

Inward Operator Assistance services provides for operator assistance on inward calls received from customer operators. Three Inward Operator Assistance functions are provided as follows:

- (A) **Busy Line Verification** - The Telephone Company operator, at the request of the customer's operator, will determine the status of an exchange service line (e.g., conversation in progress, available to receive a call, or out of service) and report the status to the customer's operator. The Telephone Company operator will not complete the call after performing Busy Line Verification. Only one telephone number per call will be handled by the operator.
- (B) **Interrupt** - The Telephone Company operator, at the request of the customer's operator, will interrupt conversation on a verified busy line and inform the called party that an attempt to place a call to that line is being made. The Telephone Company operator will not complete the call after performing Interrupt. Only one telephone number per call will be handled by the operator.
- (C) **Operator Assistance** - The Telephone Company operator will provide the customer with dialing or routing assistance.

16.1.3 Undertaking of the Telephone Company

- (A) The Telephone Company will provide Operator Service for call originating from end offices served by the Operator Service switching location. The Telephone Company will provide Inward Operator Assistance Services for calls associated with exchange service lines in end offices served by the Operator Service switching locations.
- (B) Operator Services will be provided over FGC, FGD, BSA-C or BSA-D switched service trunks, arranged for either one-way or two-way calling from the Operator Service switching location to the customer's premises. Where required by technical limitations, a separate FGC, FGD, BSA-C or BSA-D trunk will be established for Operator Service. Both Operator Transfer and Inward Assistance traffic may be combined on the same trunk group. The Operator Service switching location will provide trunk answer and disconnect supervisory signaling to the customer.

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**ACCESS SERVICE**16. Operator Services (Cont'd)16.1 General Description (Cont'd)16.1.3 Undertaking of the Telephone Company (Cont'd)

(C) Operator Services will be provisioned in accordance with the technical specifications and requirements set forth in Section 6 preceding for FGC, FGD, BSA-C or BSA-D Switched Access Services.

6.1.4 Obligations of the Customer

(A) Operator Services are provided to all customers via FGD or BSA-D Switched Access Service for calls associated with end offices converted to equal access. Operator Services are provided for calls associated with end offices not converted to equal access via FGC or BSA-C Switched Access Service to AT&T only. Operator Service customers must order, if none exists, sufficient Switched Access trunking facilities between their premises and the Telephone Company designated Operator Service switching locations in accordance with the ordering requirements set forth in Section 5.1.2(A) preceding. If the customer has existing Switched Access Service trunks to the Operator Service switching location, additional capacity may only be required. The customer, at its premises, shall provide the necessary on-hook, off-hook answering supervision and disconnect supervision.

(B) Percentage of Interstate Usage (PIU) will be reported and determined as required in Section 6.5.5(H) preceding.

(C) The customer shall indemnify and save the Telephone Company harmless against all claims that may arise from either party to call interrupted in the provisioning of Inward Service or any other person.

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**ACCESS SERVICE**16. Operator Services (Cont'd)16.2 Rate Regulations

Rates and charges applicable to Operator Services are set forth in 16.3 following. In addition to the rates and charges applicable to Operator Services described in this Section, all nonrecurring charges associated with the ordering, installation, rearrangement and movement of FGC, FGD, BSA-C or BSA-D services as set forth in 6.5.4 and 6.6 preceding, as well as Access Order Charges set forth in 5.3 preceding, will apply.

16.2.1 Operator Transfer Service(A) Operator Transfer Rate

The Operator Transfer Rate is assessed per 0- call transferred to a customer's operator. A 0-call is considered transferred when the Telephone Company operator activates the switch transferring the call to the designated customer.

(B) Switched Access Charges

Premium FGC, FGD, BSA-C or BSA-D Switched Access rates and charges as set forth in 6.5 and 6.6 preceding and Carrier Common Line Charges as set forth in 3.7 preceding will apply per minute of use for Operator Transfer Service.

16.2.2 Inward Operator Assistance Services(A) Busy Line Verification and Interrupt Rates

Rates and charges for Busy Line Verification and Interrupt Service are specific to the inward call type. The charge for Busy Line Verification applies per verification attempt. The charge for Interrupt applies per call interruption attempted. The Operator Assistance charge applies per assistance request.

(B) Switched Access Charges

Switched Access Service per access minute charges do not apply to Inward Assistance Services. Recurring usage costs are included in the flat rate charges specified in (A) preceding.

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**ACCESS SERVICE**16. Operator Services (Cont'd)16.3 Rates and Charges

Operator Service rates and charges apply only to the following Telephone Company jurisdictions:

Missouri

16.3.1 Operator Transfer Rate

- Per Call Transferred \$0.35

16.3.2 Inward Operator Assistance Rates

- Busy Line Verification per attempt \$0.50  
- Interrupt per attempt \$0.70  
- Operator Assistance per request \$0.20

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES17.1 Service Description

17.1.1 Expanded Interconnection Service (EIS) provides customers with the capability to collocate customer provided transmission, concentration, and multiplexing equipment at the Telephone Company premises. EIS customers may terminate basic fiber optic transmission facilities at the Telephone Company premises for connection to their equipment or may lease facilities from the Telephone Company.

EIS customers may lease transport from the Telephone Company to connect their collocation equipment in lieu of constructing their own facility to the Telephone Company premises.

EIS is not available to Enhanced Service Providers. Customer premises equipment, protocol conversion equipment or other types of customer equipment not required for basic transmission shall not be installed in Telephone Company wire centers or access tandems.

17.2 Provision of EIS17.2.1 General

(A) EIS will be provided as Physical EIS where transmission facilities of the customer interconnect with the facilities of the Telephone Company within the Telephone Company wire center or access tandem or a Virtual EIS where the interconnection with Telephone Company facilities occurs outside the wire center or access tandem in a manhole or other similar location.

(B) EIS arrangements are available for Switched Access and DS0 (operating at 64 Kbps and Fractional T1 bandwidths), DS1 (1.544 Mbps) and DS3 (45 Mbps) Special Access transmission facilities and terminating equipment that terminate to Telephone Company wire center or access tandem facilities in or near Telephone Company buildings. The DS0 Cross Connect can accommodate 64Kbps DDS and Fractional T1 bandwidths of 128 Kbps, 256 Kbps and 384 Kbps. The Cross Connect arrangement may be connected directly to Telephone Company provided 64Kbps DDS or Fractional T1/DS0, DS1 or DS3 services or to a Telephone Company provided 64 Kbps DDS or Fractional T1/DS0, DS1 or DS3 multiplexing arrangement. The Cross Connect charge applies per DS0 (64Kbps), DS1, or DS3 connection.

Fractional T1 service can be designed to carry various DS0 combinations. Therefore, The DS0 Cross Connect charge for Fractional T1 will be assessed as follows:

128 Kbps: 2 DS0 Cross Connects

256 Kbps: 4 DS0 Cross Connects

384 Kbps: 6 DS0 Cross Connects

(C) Rates for the Switched Access Cross Connect are listed in Section 6.6.34 and rates for the Special Access Cross Connect are found in Section 7.11.5.

(D) EIS will be available for microwave transmission on a case by case basis where reasonably feasible. EIS is not available on non fiber optic facilities.

(E) Customer provided facilities and customer designated termination equipment are subject to the terms, conditions, and rates specified in this tariff.

Customer requests for space for terminating equipment other than within an access tandem or wire center will be handled on a case by case basis where technically feasible on a first-come, first served basis.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.2 Provision of EIS (Cont'd)17.2.1 General (Cont'd)

(F) The Telephone Company is not responsible for the design, engineering, or performance of the customer designated termination equipment and customer provided facilities for physical and virtual EIS. The Telephone Company is not responsible for testing and maintenance of physical EIS arrangements.

(G) The Telephone Company is not required to purchase additional plant or equipment, to relinquish floor space or facilities designated for Telephone Company use, to undertake construction of new wire centers or access tandems or to construct additions to existing wire centers or access tandems to satisfy a customer request.

17.2.2 Responsibility of the Telephone Company

(A) The Telephone Company will provide EIS, within the limitations of space and facilities.

(B) The emergency provisioning and restoration of interconnection service shall be in accordance with Part 64, Subpart D, Paragraph 64.401, of the FCC's Rules and Regulations, which specifies the priority for such activities.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.2 Provision of EIS (Cont'd)17.2.2 Responsibility of the Telephone Company (Cont'd)

- (C) The Telephone Company will establish points of contact for the customer to place a request for EIS. The point of contact will provide the customer with a packet of general information and requirements, including a list of engineering and technical specifications, fire, safety, security policies and procedures and an Application Form.
- (D) The Telephone Company will provide at least two separate points of entry to the wire center or access tandem where there are two entry points for the Telephone Company cable facilities, with the exception of situations where one entry of a two entry office is filled to capacity.
- (E) The Telephone Company will not purchase customer designated termination equipment from a vendor for the customer's use. If the customer chooses, the Telephone Company will assist the customer in the purchase of termination equipment by establishing a contact point with GTE Supply.
- (F) The Telephone Company will coordinate with the customer to ensure that services are installed in accordance with the service request. If the Telephone Company fails to install such equipment in accordance with the service request, the Telephone Company will correct the installation at its own expense.
- (G) The Telephone Company will be held liable for the actions and inaction's of its employees, vendors, or contractors having access to the customer's equipment and facilities.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.2.3 Rights of the Telephone Company

- (A) The Telephone Company retains ownership of wire center or access tandem floor space and equipment used to provide EIS.
- (B) The Telephone Company reserves the right to refuse use of customer designated termination equipment which does not meet network reliability standards and fire and safety codes.
- (C) The Telephone Company reserves the right, with five days prior notice, to access the partitioned space to perform periodic inspections to ensure compliance with Telephone Company installation, safety and security practices.
- (D) The Telephone Company reserves the right, without prior notice, to access the partitioned space in an emergency, such as fire or other unsafe conditions, or for purposes of averting any threat of harm imposed by the customer or the customer's equipment upon the operation of the Telephone Company's equipment, facilities and/or employees located outside the partitioned space. The Telephone Company will notify the customers as soon as possible when such an event has occurred.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.2 Provision of EIS (Cont'd)17.2.3 Rights of the Telephone Company (Cont'd)

(E) The Telephone Company reserves the right to remove and dispose of the customer's equipment on physical EIS arrangements if the customer fails to remove and dispose of the equipment within the 30-day period following discontinuance of service whether the discontinuance was ordered by the customer, or by the Telephone Company in accordance with this tariff. The customer will be charged the appropriate Additional Labor charges in Section 8.2 for the removal and disposal of such equipment.

(F) The Telephone Company reserves for itself and its successors and assignees, the right to utilize the wire center(s) and access tandem(s) space in such a manner as will best enable it to fulfill Telephone Company's service requirements.

(G) Telephone Company shall have the right, for good cause shown, and upon six (6) months' notice, to reclaim any cable space or conduit space in order to fulfill its obligation under Public Service law and its tariffs to provide telecommunication services to its end user customers. In such cases, the Telephone Company will reimburse the customer for reasonable direct costs and expenses in connection with such reclamation or migration to virtual collocation. The Telephone Company will make every reasonable effort to find other alternatives before attempting to reclaim any such space.

17.3 Obligations of the Customer17.3.1 Responsibility of the Customer

(A) The customer is responsible for coordinating with the Telephone Company to ensure that services are installed in accordance with the service request. The customer agrees to meet with the Telephone Company if requested by the Telephone Company, to review design and work plans for installation of the customer's designated equipment within the Telephone Company premises.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.3 Obligations of the Customer (Cont'd)17.3.1 Responsibility of the Customer (Cont'd)

- (B) The customer will be responsible for costs incurred by the Telephone Company for installation and maintenance of customer designated Virtual EIS termination equipment. Installation or maintenance will not begin until agreed to by the customer.
- (C) In the event of a Telephone Company work stoppage, the customer's employees, contractors or agents will comply with the emergency operation procedures established by the Telephone Company. Such emergency procedures should not directly impact the customer's access to its premises, or ability to provide service.
- (D) On the date of discontinuance of service of physical EIS arrangements, the customer will disconnect and remove its equipment from its partitioned space within 30 days.
- (E) The customer will provide access to the partitioned space at all times to allow the Telephone Company to react to emergencies, to maintain the building operating systems (where applicable and necessary) and to ensure compliance with OSHA/Telephone Company regulations and standards related to fire, safety, health and environment safeguards. The Telephone Company will attempt to notify the customer in advance of any such emergency access. If advance notification is not possible the Telephone Company will provide notification of any such entry to the customer as soon as possible following the entry, indicating the reasons for the entry and any actions taken which might impact the customer's facilities or equipment and its ability to provide service. The Telephone Company will restrict access to the customer's cage to persons necessary to handle such an emergency.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.3 Obligations of the Customer (Cont'd)

17.3.1 Responsibility of the Customer (Cont'd)

(F) The customer's employee, agent, or contractor with access to a Telephone Company wire center(s) or access tandem(s) shall adhere at all times to all applicable laws, regulations and ordinances and to rules of conduct established by the Telephone Company for the wire center or access tandem and the Telephone Company's employees, agents and contractors. The Telephone Company reserves the right to make changes to such procedures and rules to preserve the integrity and operation of the Telephone Company network or facilities or to comply with applicable laws and regulations. The Telephone Company will provide written notification 30 days in advance of such changes.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.3 Obligations of the Customer (Cont'd)17.3.1 Responsibility of the Customer (Cont'd)

- (G) The customer is responsible for payment of all charges as set forth in Section 2.4. Disputed bills will be subject to provisions in Section 2.4. Failure to make payment will result in disconnection of service in accordance with Section 2.1.8.
- (H) The customer will be responsible to obtain appropriate insurance coverage, including but not limited to fire, theft and liability as described in 17.7.6, for physical EIS arrangements.
- (I) The customer be will held liable for the actions and inaction's of its employees, vendors, or contractors having access to Telephone Company wire center or access tandem equipment, manholes and facilities.
- (J) The customer is responsible for the purchase and delivery of customer designated termination equipment to be installed in the Telephone Company wire center or access tandem. The customer must deliver all equipment specified on its Virtual EIS application to the designated wire center or access tandem. The Telephone Company will not accept equipment shipments without a packing list and labels or incomplete shipments. See packet of general information for EIS shipment and receiving guidelines.

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**ACCESS SERVICE**

- 17. EXPANDED INTERCONNECTION SERVICES (Cont'd)
- 17.3 Obligations of the Customer (Cont'd)
- 17.3.2 Claims and Demands for Damage

In addition to the provisions in Section 2.3.8, the customer shall defend, indemnify and save harmless the Telephone Company from and against any and all suits, claims and demands by third persons caused by, arising out of or in any way related to the installation, maintenance, repair, replacement, presence, use or removal of the customer's equipment or by the proximity of such equipment to the equipment of other parties occupying space in the Telephone Company's wire center(s) or access tandem(s) or caused by, arising out of or in any way related to the customer's failure to comply with any of the terms of this tariff.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.3 Obligations of the Customer (Cont'd)17.3.3 Limitations

- (A) All customer facilities must terminate in the Telephone Company equipment.
- (B) The customer shall not assign, sublease, rent or share with or without charge, partitioned space with another customer.
- (C) Other than marking equipment for identification purposes, the customer shall not paint or affix any signs, posters, advertisements or notices on any portion of, or any equipment located in, the Telephone Company wire center(s) or access tandem(s).
- (D) The customer shall not use cellular telephones within the wire center or access tandem locations. The customer may order local exchange business service to be installed within the customer's partitioned space.

17.3.4 Mechanic's or Materialmen's Liens

The customer shall not permit to be placed upon the wire center or access tandem or any of the Telephone Company's property any mechanic's or materialmen's liens caused by or resulting from any work performed, materials furnished or obligations incurred by or at the request of the customer. In the case of the filing of any such lien, the customer shall immediately pay the lien in full.

If default in the payment continues for ten (10) days after written notice from the Telephone Company to the customer, the Telephone Company will have the right, at the Telephone Company's option, of paying the lien or any portion of the lien, without inquiry as to the validity of the lien, and the customer shall reimburse the Telephone Company for any amounts paid, including expenses and interest, within ten (10) days after delivery to the customer of an invoice. Failure to remit payment to the Telephone Company within ten (10) days will result in disconnection of service as set forth in Section 2.1.8.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.3 Obligations of the Customer (Cont'd)17.3.5 Confidentiality

The customer shall hold in confidence all information of a competitive nature provided to the customer by the Telephone Company in connection with EIS or known to the customer as a result of the interconnection of the customer designated termination equipment to the Telephone Company's facilities. Similarly, the Telephone Company shall hold in confidence all information of a competitive nature provided to it by the customer in connection with EIS or known to the Telephone Company as a result of the interconnection of the customer's equipment to the Telephone Company's facilities. Such information is to be considered proprietary and shared within the Telephone Company on a need to know basis only. Neither the Telephone Company or the customer shall be obligated to hold in confidence information that:

- (1) was already known to the customer free of any obligation to keep such information confidential;
- (2) was or becomes publicly available by other than unauthorized disclosure; or
- (3) was rightfully obtained from a third party not obligated to hold such information in confidence.

17.3.6 Network Outage, Damage and Reporting

- (A) The customer shall be responsible for any damage or network outage occurring as a result of termination of customer designated termination equipment in the Telephone Company wire center or access tandem.
- (B) The customer is responsible for providing a contact number that is readily accessible 24 hours a day, 7 days a week.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)
- 17.3 Obligations of the Customer (Cont'd)
- 17.3.6 Network Outage, Damage and Reporting (Cont'd)
- (C) The customer shall be responsible for notifying the Telephone Company of significant outages which could impact or degrade the Telephone Company's switches and services and provide estimated clearing time for restoral.
- (D) The customer is responsible for providing trouble report status when requested.
- (E) The customer is responsible for testing its equipment to identify and clear a trouble report when the trouble has been sectionalized (isolated) to a customer service.
- (F) Credit for interruption of service for physical EIS will be given only for the switched or special access facility and associated cross connect as set forth in Sections 6 and 7.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.4 Discontinuance of Service17.4.1 General

- (A) Upon discontinuance of physical EIS service the customer shall disconnect and remove its equipment from the partitioned space. The Telephone Company reserves the right to remove the customer's equipment if the customer fails to remove and dispose of the equipment within the 30 days of discontinuance. The customer will be charged the appropriate Additional Labor charge in Section 8.2 for the removal of such equipment.
- (B) The Telephone Company will make every effort to contact the customer in the event the customer's equipment disrupts the network. If the Telephone Company is unable to make contact with the customer, the Telephone Company shall temporarily disconnect the customer's service as set forth in 2.2.1(B). The Telephone Company will notify the customer as soon as possible after any disconnect of customer's equipment.
- (C) The Telephone Company reserves the right to terminate EIS, in the event the customer is not in conformance with Telephone Company standards and requirements and/or in the event the customer imposes continued disruption and threat of harm to Telephone Company employees and/or network, or the Telephone Company's ability to provide service to other customers.
- (D) Upon discontinuance of Virtual EIS service, the Telephone Company will disconnect and remove the customer designated termination equipment from the Telephone Company wire center or access tandem. The Telephone Company will work with the customer to coordinate return of the equipment to the customer.

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**ACCESS SERVICE**

## 17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS17.5.1 Physical EIS at Tariffed Locations

- (A) Customers requesting physical EIS at a wire center or access tandem location will be required to complete the Application Form and submit the Engineering Fee(s) as set forth in 17.13.1. Upon notification of available space, the customer will be required to place an EIS Access Service Order (ASR). In addition, the customer must submit 50% of the other applicable nonrecurring charges within 90 days after notification of available space or the customer will be required to submit a new Application Form and Engineering Fee(s).
- (B) The Telephone Company will process Application Forms on a first-come, first-served basis as set forth in 17.6.1(B).
- (C) Upon receipt of the ASR and 50% of the Site Preparation Charge, Cage Enclosure and dc Power charges and applicable nonrecurring charges (NRCs), the Telephone Company will initiate necessary modifications to the wire center or access tandem to accommodate the customer's request. The customer and the Telephone Company will work cooperatively to ensure that services are installed in accordance with the service requested. The balance of the Building Modification, Cage Enclosure and dc Power charges is due at the time the space is turned over to the customer.
- (D) The customer is responsible to have cable and other equipment ready for installation on the date scheduled. If the customer fails to notify the Telephone Company of a delay in the installation date, the customer will be subject to the appropriate Additional Labor charges in Section 8.2.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS

17.5.1 Physical EIS at Tariffed Locations

- (E) The customer has the option of providing its own cables or the Telephone Company may, at the customer's request, provide the necessary transmission, power and grounding cables and bill the customer per the Cable Material Charges rates in 17.10.1.
- (F) The Telephone Company will advise the customer of any delay in completion of the preparation of the wire center or access tandem space, and reschedule a new installation date for earliest possible date.
- (G) The Telephone Company and the customer must meet and begin implementation of the request within six (6) months of receipt of the Application Form and the Physical Engineering Fee or the identified space becomes available for use by other customers.
- (H) The Telephone Company shall notify the customer of the date the Physical EIS cage arrangement will be ready for walk-through and inspection. The customer has 15 days to meet the Telephone Company, on-site, for the inspection. If the customer does not attend the inspection within the timeframe, the Telephone Company will initiate customer billing for all monthly and nonrecurring charges.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS (Cont'd)

17.5.2 Virtual EIS

- (A) Customers seeking virtual EIS shall submit an Application Form and a \$2500 non-refundable fee for each wire center or access tandem which will be applied toward the Engineering/Installation Fee. The customer will be required to provide information such as, wire center or access tandem location, number and type of terminations, type of equipment, etc. The customer must provide all required information before the Telephone Company will begin work on the request.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.5 Ordering Options for EIS (Cont'd)17.5.2 Virtual EIS (Cont'd)

(B) Upon receipt of the \$2500 fee, the Telephone Company will initiate a search of engineering records, an inspection of the facilities, and other administrative activities required to process the request.

(C) Virtual EIS will be provided to customers at rates and charges, including the Engineering/Installation Fee, specific to the customer designated termination equipment installed.

17.5.3 Microwave Services

EIS through microwave service will be provided, where reasonably feasible, only on a case-by-case basis. Rules, regulations and rates will be developed and filed upon a bona fide request from customers to provide microwave interconnection.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.5 Ordering Options for EIS (Cont'd)17.5.4 Data Over Voice (DOV) Equipment

Data Over Voice (DOV) Equipment may be used within the interconnection arrangement for Special or Switched EIS. If the DOV equipment is an adjunct or stand-alone device, additional charges for engineering, installation, and maintenance will be tarified as identified under the Bona Fide Request Process in 17.5.1.G.

17.5.5 Other Technologies

EIS will not be provided through technologies other than fiber optic and microwave facilities.

17.5.6 Augmentations

All requests for an addition or change to an existing EIS arrangement that has been inspected and turned over to the customer is considered an augmentation. The augmentation request will require the submission of a complete application form and the non-refundable Engineering or Augment Fee.

Major Augments may include adding telecommunication equipment that requires AC or DC power or HVAC systems upgrade, or change in the size of the cage. A complete application and Engineering Fee will be required when submitting a physical or virtual request that requires a major augment.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.5 Ordering Options for EIS (Cont'd)

17.5.6 Augmentations (Cont'd)

Minor Augments of Physical or Virtual EIS arrangements will require the submission of a complete application form and the Augment Fee. Minor augments are those requests that do not require additional AC or DC power systems, HVAC system upgrades or additional cage space. The requirements for a minor augment request can not exceed the capacity of the existing electrical/power or HVAC system. Requests for customer to customer interconnects and DSO, DS1 and DS3 cross connects are included as minor augments. The installation of circuit cards for Virtual EIS is also included as a minor augment.

Minor augments that require an augment fee are those requests that require the Telephone Company to perform a service or function on behalf of the customer, including but not limited to, requests to pull cable for customer to customer EIS interconnections, DSO, DS1, and DS3 facility terminations and Virtual EIS circuit card installations.

Minor augments that do not require a fee are those augments performed solely by the customer, that do not necessitate the Telephone Company to provide a service or function on behalf of the customer, including but not limited to, requests to install additional equipment in the customer's cage. Before the installation of the additional equipment, the customer agrees to provide the Telephone Company with an application form that includes an updated list of the equipment to be installed in the customer's EIS arrangement. Once the updated equipment list is submitted to the Telephone Company, the customer may proceed with the augment. The customer agrees that changes in equipment performed by the customer under this provision will not exceed the engineering specifications for power and HVAC as requested on the original application. All augments will be subject to Telephone Company inspection, in accordance with the terms of this Tariff for ensuring compliance with Telephone Company safety standards.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request17.6.1 Application Form for Physical EIS

- (A) Customers requesting physical EIS will be required to submit the applicable Engineering Fee(s) as set forth in 17.13.1 for each wire center(s) or access tandem(s).
- (B) Receipt of a complete Application Form, Engineering Fee(s) and 50% of the applicable nonrecurring charges will determine the order of priority of the customers requesting physical EIS. Receipt of the Application form, Physical Engineering Fee(s) and 50% of the other applicable nonrecurring charges will constitute a bona fide request and will establish the order of priority.
- (C) The Application Form will require the customer to provide all engineering, floor space, power, environmental and other requirements necessary for the function of the service. The Telephone Company will notify the customer in writing within 15 days following receipt of the completed application if the customer's requirements cannot be accommodated as specified. Should the customer submit ten (10) or more applications within a ten (10) day period, the response interval will be increased by ten (10) days for every ten (10) additional applications or fraction thereof.
- (D) If existing suitable space is not available, the Engineering Fee will be refunded. If the customer withdraws or cancels the request within fifteen (15) days after receipt of the Application Form, 50% of the Engineering Fee will be refunded to the customer.

If the customer withdraws or cancels the request after the fifteenth day, no refund of the Engineering Fee will be made.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.6 EIS Service Request

17.6.1 Application Form for Physical EIS at Tariffed Locations

(E) The Telephone Company will provide an information packet containing a list of engineering and technical specifications, fire, safety, security policies and procedures.

(F) Section 17.11.1 will indicate those wire centers or access tandems in which existing suitable space has been exhausted. The Telephone Company will not maintain a list of customers requesting space in a wire center or access tandem after the space is initially exhausted.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.6 EIS Service Request (Cont'd)

17.6.1 Application Form for Physical EIS (Cont'd)

- (G) The Telephone Company shall provide the customer with a price quote for the EIS required to accommodate the customer's request within thirty (30) days of the customer's application date. The quote will be honored for ninety (90) days from the date of issuance. If the quote is not accepted by the customer within such ninety (90) day period, the customer will be required to submit a new Application Form and Engineering Fee and a new quote will be provided based on the new Application Form.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.6 EIS Service Request (Cont'd)

17.6.1 Application Form for Physical EIS (Cont'd)

(H) The first Application Form submitted by the customer shall be designated the original application. Original applications for EIS arrangements that have not been inspected and approved by the customer are subject to requests for minor or major changes to the services requested in the application. Changes will not be initiated until a completed application has been submitted along with the appropriate Engineering Fee, if applicable.

Major changes are requests that add telecommunications equipment that requires additional AC or DC power systems; HVAC system modifications; or change the size of the cage. At the election of the customer, major changes may be handled in one of the following two options to the extent technically feasible.

Option 1: Additional Application. The customer may elect to have a major change to its original EIS application treated by the Telephone Company as an additional (new) application. An additional application is subject to the same provisioning process and conditions as an original application. On receipt of a complete additional Application and Engineering Fee, the Telephone Company will notify the customer in writing within fifteen (15) days following receipt of the completed additional application if the customer's additional requirements cannot be accommodated as specified. Filing an additional application does not change the Telephone Company's obligation to process and fulfill the original application nor does it change the time intervals applicable to the processing and fulfillment of the original application. All of the provisions herein applicable to an original application similarly apply to an additional application.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request (Cont'd)17.6.1 Application Form for Physical EIS (Cont'd)

(H) (Cont'd)

Method 2: Supplemental Application.

The customer may elect to have a major change to its original EIS application treated by the Telephone Company as a supplemental application. A supplemental application may affect the Telephone Company's obligation to process and fulfill the original application. On receipt of a supplemental application and Engineering Fee, the Telephone Company will notify the customer in writing within fifteen (15) days following receipt of the completed supplemental application if the customer's requirements cannot be accommodated as specified. Upon notification that the Telephone Company can accommodate the requirements of the supplemental application, the customer may elect to proceed with the supplemental application. The Telephone Company's obligations under the original application will be merged with the obligations of the supplemental application and the combined project timeline will be based on the date the supplemental application was received. All of the provisions herein applicable to an original application similarly apply to a supplemental application.

Minor changes are those requests that do not require additional AC or DC power systems, HVAC system upgrades, or changes in cage space. The customer will be required to submit a revised application, but the deliverable dates for the project will not change.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.6 EIS Service Request (Cont'd)17.6.2 Relocation Within the Same Wire Center or Access Tandem

Customer requests for relocation of the termination equipment from one location to a different location for the same customer within the same wire center or access tandem will be handled on an individual case basis.

17.6.3 Expansion of Existing Space

Customer requests for expansion of existing space within a specific wire center or access tandem will be treated as a new service application.

17.7 Physical EIS17.7.1 Availability of Service

- (A) Physical EIS will be made available in only wire centers and access tandems where there is existing suitable space as defined in 17.7.2.
- (B) Wire Centers and access tandems which are exempt from EIS requirements due to lack of existing suitable space or are not technically feasible are shown in 17.11.1. The Telephone Company will notify the appropriate State Commissions when existing suitable space has been exhausted in a particular wire center or access tandem.
- (C) Existing suitable space in Telephone Company wire centers and access tandems available for physical EIS will be provided to customers on a first-come, first-served basis as specified in 17.7.2.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.2 Existing Suitable Space

- (A) Existing suitable space is defined as space in which ac/dc power, heat and air conditioning, battery and/or generator back-up dc power, and other requirements necessary for provision of wire center or access tandem equipment currently exists and is not required space and facilities designated for use by the Telephone Company.
- (B) The Telephone Company and the customer will work cooperatively to determine proper space requirements, and efficient use of space.
- (C) The amount of floor space available to each customer at the time of the initial application will be 100 square feet per wire center or access tandem. The Telephone Company will enclose the customer's space in a cage.
- (D) The customer is permitted to obtain additional floor space when their existing floor space is being used efficiently. Additional space will be ordered in increments of 100 square feet, where available. The maximum amount of space available to each customer will be limited only by the amount of existing suitable space available in a specific wire center or access tandem.
- (E) The Telephone Company reserves the right to require customers to relinquish such space which is not used within a reasonable time. Upon receipt of a collocation request that must be denied due to lack of existing space or the Telephone Company requires additional space for its own growth and the only available space is unused space for any existing collocated customer, existing customers must provide documentation for its use of unused space for the next twelve months.

Otherwise, the customer must relinquish unused space to new requests on a first-come, first-served basis.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.2 Existing Suitable Space

(F) The customer shall use the partitioned space solely for the purposes of installing, maintaining and operating the customer's equipment to interconnect with the facilities of the Telephone Company in accordance with Sections 64.1401 and 64.1402 of the FCC Rules and Regulations in 47 C.F.R. and for no other purposes.

(G) The customer shall not construct improvements or make alterations or repairs to the partitioned space without the prior written approval of the Telephone Company.

17.7.3 Power, Environmental Conditioning and dc Power

(A) The Telephone Company will provide, at rates set forth following, dc power with generator and/or battery back-up, heat, air conditioning and other environmental support to the customer's equipment in the same standards and parameters required for Telephone Company equipment.

(B) The customer will provide the Telephone Company with specifications for any non-standard or special requirements at the time of application. The Telephone Company reserves the right to assess the customer any additional charges on an individual case basis associated with complying with the requirements or to refuse an application where extensive modifications are required.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.4 Customer Terminating Equipment Requirements

(A) Customer equipment installed in the Telephone Company wire center or access tandem must comply with either the Telephone Company's list of approved products, or equipment that complies with wire center or access tandem environmental and transmission standards in effect at the time the interconnection is made. The list of approved products and/or equipment is the same as used by the Telephone Company and its contractors. EIS customers will be notified of any change in the Telephone Company's list of approved products and/or equipment.

(B) The customer shall be responsible for servicing, supplying, repairing and maintaining the following:

Fiber Optic Cable and Fire Retardant Sheath (if customer provided)  
Equipment located within the wire center or access tandem  
Interconnection cable to the point of demarcation

(C) The customer shall be required to provide DS1 cable facilities in sufficient capacity for the Telephone Company to wire DS1 services in multiples of 28 or DS0 cable facilities in sufficient capacity for the Telephone Company to wire DS0 services in multiples of 24.

(D) The interconnection point for physical EIS is the point where the customer-owned cable facilities connect to the Telephone Company termination equipment.

The Telephone Company will designate a DSX panel(s) as the point(s) of termination within each wire center or access tandem as the point(s) of physical demarcation between the customer's maintenance and ownership responsibilities and the Telephone Company's maintenance and ownership responsibilities. Maintenance and related activities up to the Telephone Company side of the point of termination will be the responsibility of the Telephone Company.

(E) If the customer provides their own fiber optic facility the customer shall be responsible for bringing its fiber optic cable to the wire center or access tandem manhole and leave sufficient cable length for the Telephone Company to be able to fully extend such cable through to the customer's space. No splicing will be permitted in the manhole. Upon discontinuance of EIS, the customer relinquishes all rights, title and ownership of cable to the Telephone Company.

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17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.7 Physical EIS (Cont'd)

17.7.4 Customer Terminating Equipment Requirements (Cont'd)

- (F) The Telephone Company is responsible for installing customer provided fiber optic cable in the cable space or conduit from the manhole to the wire center or access tandem. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center or access tandem cable space or conduit. If new conduit is required, the Telephone Company will negotiate with the customer to determine the specific location. The Telephone Company reserves the right to manage its own wire center and access tandem conduit requirements and to reserve vacant space for planned facility additions.
- (G) The Telephone Company is responsible for installing a cable splice where the customer provided fiber optic cable meets customer provided fire retardant riser cable within the wire center or access tandem cable vault or designated splicing chamber. The Telephone Company will provide space and racking for the placement of the splice enclosure. The Telephone Company will tag all entrance facilities to indicate ownership. The Telephone Company is responsible for placing the customer's fire retardant riser cable from the cable vault to the partitioned space. The customer is responsible for providing fire retardant riser cable that meets Telephone Company standards.
- (H) Customer interconnection equipment installed with the Telephone Company's wire center or access tandem facilities shall be subject to and comply with Telephone Company practices for ac/dc bonding and grounding requirements. This information will be provided to the customer in the general information packet.
- (I) Upon installation of the customer's equipment, with prior notice, the Telephone Company will schedule time to work with the customer during the turn-up phase of the equipment to ensure proper functionality between the customer's equipment and the connections to the Telephone Company equipment. The time period for this to occur will correspond to the Telephone Company's maintenance window time period.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.4 Customer Terminating Equipment Requirements (Cont'd)

(J) The customer's equipment shall not physically, electronically, or inductively interfere with or impair the service of the Telephone Company's or any other customer's equipment, create hazards, or cause physical harm to any individual or the public. All customer equipment must be tested to and must meet: (1) the National Equipment and Building Specifications (NEBS) Level 1 family of safety requirements as described in Telecordia Special Report SR-3580; and (2) the specific risk/safety/hazard criteria specified in Addendum E of the general information packet described in 17.5.1(A). Any customer equipment that does not conform to the NEBS Level 1 family of safety requirements may not be installed on Telephone Company property. A cabinet must be used to mitigate deficiencies identified with CLEC equipment failing to meet the specific risk/safety/hazard criteria specified in Addendum E of the general information packet described in 17.5.1(A). The Telephone Company reserves the right to removed and/or refuse use of the customer's equipment from its list of approved equipment if such equipment is determined to be no longer compliant with NEBS Level 1 safety standards or Electromagnetic Compatibility and Electrical Safety Generic Criteria for Network Telecommunication Equipment (GR-1089-CORE). The Telephone Company also reserves the right to remove and/or refuse use of the customer's equipment which does not meet or comply with NEBS equipment safety requirements specified in Addendum E of the general information packet described in 17.5.1(A).

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.5 Security Requirements for Customer Access to Telephone Company Buildings

- (A) The Telephone Company will permit the customer's employees, agents, and contractors approved by the Telephone Company to have access to the customer's partitioned space at all times. The customer's employees, agents, or contractors must comply with the policies and practices of the Telephone Company pertaining to fire, safety, and security. The Telephone Company will also permit all approved employees, agents and contractors to have access to the customer's cable and associated equipment, e.g., repeaters. This will include access to riser cable, cableways, and any room or area through which necessary access is available.
- (B) All employees, agents and contractors must meet certain minimum requirements established by the Telephone Company. This information will be provided to the customer as set forth in 17.5.1(B). At the time the customer places the EIS ASR for physical EIS, the customer must submit a list of employees, agents and contractors and the associated Telephone Company wire centers and/or access tandems where access is requested. The customer must also certify that each of the individuals on the list meets the minimum requirements. The information will be submitted to the Telephone Company's Security Department for approval.
- (C) Access cards or keys will be provided to no more than six individuals per customer for each Telephone Company wire center or access tandem.
- (D) Upon approval, the customer must provide all employees, agents and contractors a photo identification card which identifies the person by name and the name of the customer. The ID must be worn on the individual's exterior clothing while in the Telephone Company buildings. The Telephone Company will provide the customer with instructions and necessary access cards or keys to obtain access to Telephone Company buildings.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.5 Security Requirements for Customer Access to Telephone Company Buildings (Cont'd)

- (E) The Telephone Company reserves the right to deny access to Telephone Company buildings for any customer's employee, agent or contractor who cannot meet the Telephone Company's established security standards.
- (F) The Telephone Company also reserves the right to deny access to Telephone Company buildings for any customer's employee, agent and contractor for falsification of records, violation of fire, safety or security practices and policies or other just cause.
- (G) The customer is required to immediately notify the Telephone Company by the most expeditious means, when any customer's employee, agent or contractor with access privileges to Telephone Company buildings is no longer in its employ, or when keys, access cards or other means of obtaining access to Telephone Company buildings are lost, stolen or not returned by an employee, agent or contractor no longer in its employ.
- (H) The customer is responsible for the immediate retrieval and return to the Telephone Company of all keys, access cards or other means of obtaining access to Telephone Company buildings if lost, stolen or upon termination of employment of the customer's employee and/or discontinuance of service. The customer shall be responsible for the replacement cost of keys, access cards or other means of obtaining access when lost, stolen or failure of the customer or the customer's employee, agent or contractor to return to the Telephone Company.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.6 Insurance & Liability Requirements

- (A) The customer shall, at its sole cost and expense, obtain, maintain, pay for and keep in force the following minimum insurance underwritten by an insurance company(s) having a Best's insurance rating of at least A-. financial size category VII.
- (1) Commercial general liability coverage on an occurrence basis in an amount of \$1,000,000 combined single limit for bodily injury and property damage with a policy aggregate per location for \$2,000,000. This coverage shall include contractual liability.
  - (2) Umbrella/Excess Liability coverage in an amount of \$10,000,000 excess of coverage specified in (1) above.
  - (3) All Risk Property coverage on a full replacement cost basis insuring all of the customer's real and personal property located on or within the Telephone Company wire centers. The customer may also elect to purchase business interruption and contingent business interruption insurance, knowing that the Telephone Company has no liability for loss of profit or revenues should an interruption of service occur.
  - (4) Statutory Workers Compensation coverage.
  - (5) Employers Liability Coverage in an amount of \$500,000 each accident.
  - (6) Commercial Automobile Liability coverage insuring all owned, hire, and non-owned automobiles.
- (B) Notwithstanding anything herein to the contrary, the coverage requirements described in (1) – (6) above shall only be required if the customer orders EIS services pursuant to this Tariff.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.7 Physical EIS (Cont'd)

17.7.6 Insurance & Liability Requirements (Cont'd)

(B) (Cont'd)

The minimum amount of insurance required in this section, may be satisfied by the customer purchasing primary coverage in the amount specified or by the customer buying a separate umbrella and/or excess policy together with lower limit primary underlying coverage. The structure of the coverage is at the customer's option, so long as the total amount of insurance meets the Telephone Company's requirements.

(C) Deductibles – Any deductibles, self-insured retentions (SIR), lost limits, retentions, etc, (collectively, "retentions") must be disclosed on a certificate of insurance provided to the Telephone Company, and the Telephone Company reserves the right to reject any such retentions in its reasonable discretion. All retentions shall be the responsibility of the customer.

(D) Additional Insured – The Telephone Company and its affiliates (which includes any corporation controlled by, controlling or in common control with CenturyTel, its respective directors, officers and employees shall be named as additional insured under all General Liability and Umbrella/Excess Liability Policies obtained by the customer. Said endorsement shall provided that such additional insurance is primary insurance and shall not contribute with any insurance or self-insurance that the Telephone Company has secured to protect itself. All of the insurance afforded by the customer shall be primary in all respects, including the customer's Umbrella/Excess Liability insurance. The Telephone Company's insurance coverage shall be excess over any indemnification and insurance afforded by the customer and required hereby.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.7 Physical EIS (Cont'd)17.7.6 Insurance & Liability Requirements (Cont'd)

- (E) Waiver of Subrogation Rights – The customer waives and will require all of its insurers to waive all rights of subrogation against the Telephone Company (including CenturyTel and any other affiliated and/or managed entity), its directors, officers and employees, agents or assigns, whether in contract, tort (including negligence and strict liability) or otherwise.
- (F) Evidence of Insurance – All insurance must be in effect on or before the Telephone Company authorizes access by customers, employees, or placement of customer equipment or facilities within the Telephone Company's premises and such insurance shall remain in force as long as the Telephone Company's facilities remain within any space governed by this Tariff. If the customer fails to maintain the coverage, the Telephone Company may pay the premiums and seek reimbursement from the customer. Failure to make a timely reimbursement will result in disconnection of service. The customer agrees to submit to the Telephone Company a certificate of insurance ACORD Form 25-S (1/95), or latest edition, such certificate to be signed by a duly authorized officer or agent of the Insurer, certifying that the minimum insurance coverage and conditions set forth herein are in effect, and that the Telephone Company will received at least thirty (30) days notice of policy cancellation, expiration or non-renewal. At least thirty (30) days prior to the expiration of the policy, the Telephone Company must be furnished satisfactory evidence that such policy has been or will be renewed or replaced by another policy. At the Telephone Company has been named as and additional insured, prior to commencement of any service. In no event shall permitting customer access be construed as a waiver of the right to the Telephone Company to assert a claim against the customer for breach of obligations established in this section.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)
- 17.8 Virtual EIS
- 17.8.1 Availability of Service
- (A) Virtual EIS will be available to customers at all wire centers and access tandems.
- (B) Virtual EIS provides the means to interconnect, through an optical channel interface, to specified interstate Access Services. Virtual EIS provides:
- (1) Connection between customer provided and Telephone Company provided fiber optic transport facilities at a meet point within the mutually agreed to Telephone Company designated space outside a Telephone Company wire center or access tandem, such as a manhole, and
  - (2) Conversion of optical to electrical signals, as appropriate, to allow interconnection between customer provided transport facilities and other specified interstate Telephone Company services.
- (C) The interconnection point for virtual EIS is the demarcation between ownership of the cable facilities.
- (D) The Telephone Company will designate locations close to the wire center or access tandem to be used as interconnection points for customer's facilities.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.8 Virtual EIS

17.8.1 Availability of Service

(E) None of the provisions of Section 17.5.4 apply or extend to any patron of the customer purchasing virtual EIS from the Telephone Company.

(F) Customers have the option of monitoring their Virtual EIS equipment or having the Telephone Company monitor the equipment alarms. Information will be provided in the packet of general information.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer

- (A) When ordering EIS, the customer shall designate the type of wire center or access tandem transmission equipment dedicated to their use. The customer may specify equipment which may be different from the equipment normally used by the Telephone Company to provide interstate Access Services.
- (B) The customer may monitor and control the performance of all facilities and equipment used in the provision of virtual EIS.
- (C) The customer is responsible for costs associated with training Telephone Company employees to install and maintain equipment other than equipment normally used by the Telephone Company.
- (D) The Telephone Company and the customer will work cooperatively to determine proper equipment and facilities requirements.
- (E) The customer is responsible for initiating a request for maintenance of customer's facilities and termination equipment.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.8 Virtual EIS (Cont'd)

17.8.2 Obligations of the Customer

(F) Unless the customer advises the Telephone Company pursuant to (B) of this subsection, the customer shall provide to the Telephone Company, and the Telephone Company will hold on-site, the vendor's recommended spare card package for all EIS equipment within the requested wire center or access tandem. The customer shall also provide shipping containers with destination labels and postage paid for the card to be shipped. Upon the detection of a bad card, the Telephone Company will replace such card with a spare card, and will arrange to tag and prepare the defective card for prompt shipment to the customer, and arrange for mailing the container as specified on the label. Upon receipt of the card by the customer, the customer shall replace the defective card as quickly as possible to ensure that a full complement of spares are on-site. The customer will be responsible for repairing and maintaining an adequate set of spares within its operation to minimize delays in replenishing spares on-site.

Should the customer provide spare cards on-site, the Telephone Company will respond to virtual equipment outages at times consistent with the objectives that the Telephone Company sets for itself.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer (Cont'd)

(F) (Cont'd)

The customer must advise the Telephone Company in writing if it will not provide the vendor's spare card package for virtual EIS equipment on-site, as required in (A) of this subsection. Should the customer not provide the vendor's recommended spare card package for the virtual EIS equipment on-site and the customer's equipment suffers an outage:

- (1) The customer will be responsible for delivering the necessary spare card(s) to a Telephone Company Technician at the central where the outage has occurred;
- (2) The Telephone Company will not be held accountable for any service degradation due to the absence of on-site spare cards;
- (3) The Telephone Company will not be held to the same equipment outage restoration objectives, as if the spare cards were stored on-site; and,
- (4) The customer is responsible for expenses incurred by the Telephone Company for the additional time the Telephone Company's personnel expended to correct the equipment outage due to waiting for the delivery of the spare cards. Charges will be based on the applicable Additional Labor Charges as set forth under Section 8.2.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.2 Obligations of the Customer (Cont'd)

(G) The customer must execute a Bill of Sale for \$1.00 to the Telephone Company to transfer ownership of the equipment from the customer to the Telephone Company. Upon termination of the Virtual EIS arrangement, the Telephone Company will execute a Bill of Sale for \$1.00 to the customer to transfer ownership of the equipment from the Telephone Company to the customer. The Bill of Sale must be executed by the customer prior to the equipment being placed in-service.

(H) Virtual equipment augmentation requests may only be provisioned upon receipt of a completed application and the applicable Engineering/Augment fee.

(I) The customer is responsible for providing all specialized test equipment required to monitor and maintain non-standard equipment that the Telephone Company virtually terminated on behalf of the customer.

17.8.3 Operation and Maintenance

Where the Telephone Company uses contractors for installation, maintenance or repair of services, the customer may hire the same contractor directly for installation, maintenance or repair of EIS arrangements.

Where the Telephone Company does not use contractors, customer designated termination equipment provided and facilities used in the provision of EIS will be installed, maintained and repaired by the Telephone Company. The Telephone Company will maintain and repair the customer designated termination equipment under the same time frame and standards rate as its own equipment.

Customers are not allowed into Telephone Company Wire Centers and access tandems to work on Virtual EIS equipment.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)
- 17.8 Virtual EIS (Cont'd)
- 17.8.4 Customer Terminating Equipment Requirements (Cont'd)
- (A) Customer equipment installed in the Telephone Company manhole or similar location must comply with either the Telephone Company's list of approved products, or equipment that complies with central office environmental and transmission standards in effect at the time the interconnection is made. This list of approved products and/or equipment is the same as used by the Telephone Company and its contractors. EIS customers will be notified of any change in the Telephone Company's list of approved products and/or equipment.
- (B) The customer shall be responsible for supplying the following:
- Fiber Optic Cable and Fire Retardant Sheath  
Equipment located within the wire center or access tandem
- (C) The customer shall be required to provide DS1 cable facilities in sufficient capacity for the Telephone Company to wire DS1 services in multiples of 28.
- (D) The customer shall be responsible for bringing its fiber optic cable to the wire center or access tandem manhole and leave sufficient cable length in order for the Telephone Company to be able to fully extend such cable through to the customer's space. No splicing will be permitted in the manhole. Upon discontinuance of EIS, the customer relinquishes all rights, title and ownership of cable to the Telephone Company.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.8 Virtual EIS (Cont'd)17.8.4 Customer Terminating Equipment Requirements (Cont'd)

- (E) The Telephone Company is responsible for installing customer provided fiber optic cable in the cable space or conduit from the manhole to the wire center or access tandem. This may be shared conduit with dedicated inner duct. The customer shall not be permitted to reserve wire center or access tandem cable space or conduit. If new conduit is required, the Telephone Company will negotiate with the customer to determine the specific location. The Telephone Company reserves the right to manage its own wire center or access tandem conduit requirements and to reserve vacant space for planned facility additions.
- (F) The Telephone Company is responsible for installing a cable splice where the customer provided fiber optic cable meets customer provided fire retardant riser cable within the wire center or access tandem cable vault or designated splicing chamber. The Telephone Company will provide space and racking for the placement of the splice enclosure. The Telephone Company will tag all entrance facilities to indicate ownership. The Telephone Company is responsible for placing the customer's fire retardant riser cable from the cable vault to the terminating equipment. The customer is responsible for providing fire retardant riser cable that meets Telephone Company standards.
- (G) Customer interconnection equipment installed with the Telephone Company's wire center or access tandem facilities shall be subject to and comply with Telephone Company practices for ac/dc bonding and grounding requirements. This information will be provided to the customer in the general information packet.
- (H) Upon installation of the customer's equipment, with prior notice, the Telephone Company will schedule time to work with the customer during the turn-up phase of the equipment to ensure proper functionality between the customer's equipment and the connections to the Telephone Company equipment. The time period for this to occur will correspond to the Telephone Company's maintenance window time period.
- (i) All equipment installed within the Telephone Company wire center or access tandem facilities shall meet the industry standard requirements as applicable for Physical EIS as in 17.7.4.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.9 Rate Regulations

This section contains specific regulations governing the rates and charges that apply for EIS. These charges are in addition to the applicable rates and charges for the Switched or Special Access Service ordered, as specified in Sections 6 and 7 of this tariff.

17.9.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges.

(A) Monthly Rates

Monthly rates are recurring charges that apply each month or fraction thereof that EIS is provided. Monthly rates for EIS will commence upon completion of the installation of the customer's designated termination equipment irrespective of when the Switched or Special Access service is connected.

(1) Partition Space Charge

Partition Space is a monthly recurring charge associated with the provisions of suitable physical EIS space in a specific wire center or access tandem. The charge includes those costs that relate directly to the land and building space itself. The Partition Space Charge applies on a per square foot basis for Physical EIS.

(2) Cable Space Charge

The Cable Space Charge is a monthly recurring charge, applied per twelve fiber cable, associated with the space within the conduit, riser, cable racks, manhole and cable vault which the customer's cable occupies. This charge applies for physical or virtual EIS.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.9 Rate Regulations (Cont'd)17.9.1 Types of Rates and Charges (Cont'd)(A) Monthly Rates (Cont'd)(3) dc Power

The dc Power Charge is a monthly recurring charge associated with the provision of dc power to the customer's space for physical or virtual EIS. The dc Power Charge applies on a 40 amp increment.

(4) Maintenance

The Maintenance Charge is a monthly recurring charge associated with maintenance of the customer designated termination equipment. The charge is applicable per base module for virtual EIS.

(5) Environmental Conditioning

Environmental Conditioning is a monthly recurring charge associated with the provision of heating, ventilation, and air conditioning systems for the customer's physical EIS equipment in the Telephone Company's wire center or access tandem. The environmental Conditioning charge is applied on a per 40 amp increment based on the customer's dc Power requirements.

(6) Building Modification

Building Modification is a monthly recurring charged associated with provisioning the following items for physical EIS in the Telephone Company's wire center or access tandem: security, dust partition, ventilation ducts, demolition/site work, lighting, outlets, and grounding equipment. The Building Modification charge is applied to each physical EIS arrangement.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.9 Rate Regulations (Cont'd)17.9.1 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity. The types of nonrecurring charges that apply for EIS are those listed below.

(1) Conversion Fee

The Conversion Fee of \$2,500.00 is associated with the work performed to convert existing collocated services to virtual EIS arrangements where no changes in customer designated termination equipment or facilities or Telephone Company provided equipment and facilities are required. The customer may request multiple wire centers or access tandems to be converted on one order. The Conversion Fee applies per order in lieu of the Engineering/Installation Fee.

(2) Cable Pull Charge

The Cable Pull Charge is associated with the work performed by the Telephone Company to pull and splice the customer's cable from the manhole to the cage or to the customer designated termination equipment. This charge applies per wire center or access tandem, per twelve fiber cable terminated for physical or virtual EIS.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.9 Rate Regulations (Cont'd)

17.9.1 Types of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(3) Physical Engineering Fee

The Physical Engineering Fee is associated with work performed by the Telephone Company to determine space requirements, engineer adequate amounts of power, heat, ventilation and air conditioning, and ensure adequate fire protection for physical EIS. This charge applies to Physical EIS and minor augment requests on a per order, per wire center or access tandem basis.

(4) Cage Enclosure

The Cage Enclosure charge is associated with work performed by the Telephone Company to construct a cage for the customer's terminating equipment for physical EIS. This charge includes, one charge circuit system, and electrical sub-panel. This element also includes material cost for the cage enclosure. This element is optional, the customer may sub-contract this work to a Telephone Company approved contractor.

This charge provides a 100 square foot enclosure. Upon request of the customer, additional space may be provided in increments of 100 square feet per additional 100 square feet.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.9 Rate Regulations (Cont'd)

17.9.1 Types of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(5) Engineering/Installation Fee

The Engineering/Installation Fee is associated with work performed by the Telephone Company to determine space requirements, engineer adequate amounts of power to the equipment, ensure adequate fire protection and install customer designated termination equipment for virtual EIS.

An Engineering/Installation Fee is shown in 17.12.1 shall apply for the installation of the base unit card and each DS1 or DS3 card.

(6) Overhead Superstructure

The Overhead Superstructure is associated with work performed by the Telephone Company for the extension of overhead racking for the placement of customer provided cable for physical EIS.

(7) dc Power

The dc power charge is associated with work performed by the Telephone Company for the extension of power to the customer's cage. This charge applies on a per 40 amp increment for physical or virtual EIS.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.9 Rate Regulations (Cont'd)17.9.1 Types of Rates and Charges (Cont'd)(B) Nonrecurring Charges (Cont'd)(8) Training

The customer shall be solely responsible for all costs associated with training Telephone Company personnel on the installation, maintenance, monitoring and operation of EIS equipment that the Telephone Company does not use in normal operations within the requested central office. The customer will be responsible for:

- (1) The arrangement and prepayment for required training seminars, including tuition, and related course materials.
- (2) All travel expenses, including airfare and car rentals, associated with the training. All charges not prepaid by the customer will be passed on to the customer based on ticket stubs and/or receipts.
- (3) Providing the Telephone Company personnel to be trained a \$40 per diem for meals during the training period.
- (4) All expenses associated with follow up training necessitated by changes in technology or upgrades made to such non-standard equipment, and for additional training required within the Telephone Company's normal staffing levels and assignment policies. The customer will provide the supplemental training described herein, per the same terms and conditions provided in this Section.
- (5) Reimburse to the Telephone Company for the hours spent in training by Telephone Company personnel, based on the labor rates as set forth in Section 8.2 and will be billed per half hour or fraction thereof.

The equipment training for all Telephone Company personnel responsible for the Virtual EIS equipment within the requested central office must be completed prior to placing the EIS equipment in-service.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.9 Rate Regulations (Cont'd)17.9.1 Types of Rates and Charges (Cont'd)

## (B) Nonrecurring Charges (Cont'd)

(9) Access Ordering Charge

The Switched Access Ordering Charge applies, per ASR, for the installation, addition, change, rearrangement or move of EIS Switched and Special Access Service facilities, except as specified in 6.5.4(B). The appropriate service installation charge for the service termination(s) will also apply.

When an EIS is moved to a different CDL, a new minimum period will be established for the installed Switched or Special Access Service. The customer will remain responsible for all remaining minimum period charges associated with the disconnected Switched or Special Access Service. For Switched or Special Access Services subject to payment plan regulations, the same payment plan will remain in force.

(10) Access Card Charge

The costs associated with the issuance and replacement of access cards that allow a customer's employees to access Telephone Company wire centers and access tandems.

(11) BITS Timing Charge

Cost to provide synchronized timing for electronic communications equipment provided from a central source. This cost includes all the common equipment and port cards to provide 50 ports of DS1 and 50 ports of CC (Composite Clock) capability. This is a monthly recurring and nonrecurring charge based on each port requested by the customer.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.9 Rate Regulations (Cont'd)

17.9.1 Types of Rates and Charges (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(12) Cable Material Charge

The customer will be assessed the Cable Material charge if it elects to have the Telephone Company purchase all cables required to accommodate the EIS arrangement. The rate includes all costs associated with cable materials provided to the customer. This cost includes DS0, DS1, DS3 transmission cables, shielded cable, power cables and ground cables.

(13) Minor Augment Fee

The fee submitted with an application to recover the cost to review and implement changes to an existing EIS arrangement. Minor augments are those requests that do not require more AC or DC power, additional equipment that generates more BTU's of heat, or increase the caged floor space, over what the customer requested in its original application. The requirements for a minor augment request can not exceed the capacity of the existing electrical/power or HVAC system.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.9 Rate Regulations (Cont'd)

17.9.2 Minimum Periods

(A) The Minimum Period applicable to monthly EIS rate elements specified is six months.

(B) When EIS is discontinued prior to the expiration of the Minimum Period, charges are applicable for the remaining month(s) and/or fraction thereof of the Minimum Period.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.10 EIS Rates and Charges17.10.2 Cable Space and Cable Pull

<u>Jurisdiction</u>	<u>Monthly Charge Per Twelve Cable Cable Space</u>	<u>Nonrecurring Charge Per Twelve Cable Cable Pull</u>
Missouri	\$19.59	\$988.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.10 EIS Rates and Charges (Cont'd)17.10.2 dc Power

<u>Jurisdiction</u>	<u>Monthly Charge Per 40 Amps</u>	<u>Nonrecurring Charge Per 40 Amps</u>
Missouri	\$399.20	\$4,917.00

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.11 EIS Exempt Wire Centers and Access Tandems

17.11.1 If the Telephone Company is unable to accommodate a Physical or Virtual EIS request at a wire center or access tandem due to space limitations or other technical reasons, the Telephone Company will post a list of all the exempt wire centers and access tandems on its Web site and will update the list within ten (10) days of any known changes. This information will be listed at the following public Internet URL:

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.12 Virtual EIS Rates and Charges (Cont'd)17.12.1 Equipment Rates and Charges (Cont'd)

JURISDICTION	MISSOURI
MONTHLY CHARGE	
MAINTENANCE per base module	\$263.69
NONRECURRING CHARGES	
ENGINEERING/INSTALLATION FEE	
Per base module	
OC1	\$4,701.92
90Mbps	4,701.92
OC3	5,299.68
OC12	5897.44
OC24	6,780.72
OC48	7,664.00
NGDLC	7,664.00
ENGINEERING/INSTALLATION FEE	
Per card installed	
OC1	DS1 \$266.32
	DS3 616.96
90 Mbps	DS1 266.32
	DS3 616.96
OC3	DS1 266.32
	DS3 616.96
OC12	DS3 616.96
OC24	DS3 616.96
OC48	DS3 616.96
NGDLC	DS0 133.16
	DS1 266.32
	DS3 616.96

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges

Physical EIS will be provided at the rates and charges set forth below. The rates and charges shown will apply to each EIS at the specific wire center or access tandem for the applicable jurisdiction.

17.13.1 Engineering Fee

	<u>Nonrecurring Charge</u>
	<u>Physical EIS</u>
	<u>Engineering Fee</u>
<u>Jurisdiction</u>	
Missouri	\$4,571.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.2 Overhead Superstructure

	<u>Nonrecurring Charge</u> <u>Physical EIS</u> <u>Engineering Fee</u>
<u>Jurisdiction</u>	
Missouri	\$2,360.00

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.3 Cage Enclosure

	<u>Nonrecurring Charge</u>
<u>Jurisdiction</u>	
Missouri	\$4,842.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13. Physical EIS Rates and Charges (Cont'd)17.13.4 Partition Space

<u>Jurisdiction</u>	<u>Monthly Charge Partition Space Per Square Foot</u>
Missouri	\$2.22

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.5 Bits Timing Charge

<u>Jurisdiction</u>	<u>Monthly Charge</u>	<u>Nonrecurring</u>
	<u>Per</u> <u>Port</u>	<u>Per</u> <u>Port</u>
Missouri	\$11.25	\$250.00

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PO Box 4065, Monroe, LA 71211

**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material – Per Cable RunDSO Cable (Connectorized) 100 pairNonrecurring Charge

(USOC) (SP1ZF)

Jurisdiction

Missouri \$331.00

DS1 Cable (Connectorized)Nonrecurring Charge

(USOC) (SP1ZG)

Jurisdiction

Missouri \$307.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)DS3 Coaxial CableNonrecurring Charge(USOC) (SP1ZH)Jurisdiction

Missouri \$84.00

Shielded Cable (Orange Jacket)Nonrecurring Charge(USOC) (SP1GJ)Jurisdiction

Missouri \$34.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)1/0 Power CableNonrecurring Charge

(USOC) (SP1ZK)

Jurisdiction

Missouri \$93.00

2/0 Power CableNonrecurring Charge

(USOC) (SP1ZL)

Jurisdiction

Missouri \$135.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)3/0 Power CableNonrecurring Charge

(USOC) (SP1ZM)

Jurisdiction

Missouri \$149.00

4/0 Power CableNonrecurring Charge

(USOC) (SP1ZN)

Jurisdiction

Missouri \$184.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)350 MCM Power CableNonrecurring Charge

(USOC)

(SP1ZP)

Jurisdiction

Missouri

\$313.00

500 MCM Power CableNonrecurring Charge

(USOC)

(SP1ZQ)

Jurisdiction

Missouri

\$437.00

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.6 Cable Material - Per Cable Run (Cont'd)750 MCM Power Cable

<u>(USOC)</u>	<u>Nonrecurring Charge</u> <u>(SP1ZR)</u>
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Jurisdiction

Missouri	\$673.00
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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.7 Minor Augment Fee

Nonrecurring Charge

Jurisdiction

Missouri	\$200.00
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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES (Cont'd)

17.13 Physical EIS Rates and Charges (Cont'd)

17.13.8 Access Card Charge

Nonrecurring Charge

Jurisdiction

Missouri	\$19.00
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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.9 Environmental Conditioning

	<u>Monthly Rate</u>
(USOC)	<u>Per 40 AMP Increment</u> (SP1ER)
<u>Jurisdiction</u>	
Missouri	\$106.49

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES (Cont'd)17.13 Physical EIS Rates and Charges (Cont'd)17.13.10 Building Modification

	<u>Monthly Rate</u>
(USOC)	(SP1BM)
Jurisdiction	
Missouri	\$235.68

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement

(A) General

The Competitive Alternate Transport Terminal (CATT) arrangement provides third party competitive fiber providers (CFPs) access to a shared, alternate splice point within a Telephone Company wire center for the sole purpose of splicing its facilities for distribution to EIS arrangements within that wire center.

All applicable universal regulations that apply to EIS customers as set forth in this Section also apply to the CFP and its facilities to the CATT.

(B) Service Description

The CATT arrangement allows for the placing of a maximum of 432 fibers and a minimum of 72 fibers, per entrance manhole, in an Alternate Splice Area (ASA), as determined by the Telephone Company, within a Telephone Company wire center. CFPs will be billed for the entire capacity of the fiber that is placed regardless of the number of fibers spliced initially. At the option, of the CFP up to an additional 432 diversely routed fibers may be spliced at the CATT, where manhole space and conduit is available. In those wire centers with only one entry point, a CFP may request Special Construction of any additional entry points as described in the CenturyTel Operating Companies Tariff FCC No. 5.

The CFP is responsible for all splicing done at the CATT. CFPs shall splice and terminate a minimum of 24 fibers at the CATT upon cable installation, per entrance facility, for use in the wire center.

All CFP facilities and splices must comply with the NEBS standards as set forth in Section 17.7.4(J) preceding.

Prior to all CATT installations, the CFP will be required to attend a pre-construction meeting or teleconference with the Telephone Company. The meeting will be attended by Telephone Company and CFP technical subject matter experts to review the details of the CATT installation, Telephone Company procedures, project schedule and exchange documentation on the engineering specifics of the project.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)

(B) Service Description

All work performed by a CFP or its agents on Telephone Company premises requires an authorized Telephone Company representative to escort the CFP or its agents and provide access to the wire center.

The CFP must provide the Telephone Company 72 hours written notice to allow for assignment of an escort for the project. The applicable Additional Labor Charges in Section 8.2.6 are applied per Telephone Company representative, per half-hour, to recover Telephone Company escort (s') time.

Activities requiring an escort are:

- (a) CFP Cable Pull – CFP installation of the fiber cable from manhole zero to the CATT arrangement by a Telephone Company approved vendor.
- (b) CFP Cable Splice – CFP installation of the fiber and the splice tray at the CATT arrangement and the splicing of the EIS customer provided fiber at the CFP's splice tray at the CATT arrangement.
- (c) CFP Cable Maintenance - The CFP maintenance on defective splices and fiber cables installed by the CFP at the CATT.
- (d) EIS Customer Cable Pull – EIS customer installation of the fiber cable from its Physical EIS arrangement to the CATT arrangement.

CATT arrangements are subject to space availability, i.e., floor space, duct space, etc., within Telephone Company wire center premises.

Upon receipt of a completed CATT Application and fee, the Telephone Company will provide the CFP a CATT price quote within 8 business days from receipt of the application. The quote will be honored for 30 days from issuance of the quote.

The Telephone Company will initiate billing for all applicable recurring and non-recurring charges when the CFP completes the installation of its fiber cable and splice tray and the installation is inspected by the Telephone Company.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)
- (C) Provisioning of CFP Facilities to the CATT

The CFP will be responsible for supplying and pulling the fiber cable from the Telephone Company designated manhole to the ASA location, designated by the Telephone Company, by a Telephone Company approved vendor. Telephone Company personnel will approve the cable to be provided by the CFP before it is pulled into the wire center. An authorized Telephone Company representative must escort the approved vendor(s) during the cable pull and the splicing at the CATT. The CFP must follow all Telephone Company cable installation requirements and procedures.

The CFP must provide a Telephone Company approved splice tray and fire retardant cable enclosure before any splicing to the CATT is done. Enclosures and splice trays installed by the CFP must equal the capacity of the installed fiber at 72 fibers per shelf.

The CFP will not store any equipment in the CATT area other than the splice tray and cable enclosure.

All testing of the spliced facility (e.g., end-to-end, bi-directionality, etc.) is the responsibility of the CFP. The CFP is also responsible for the maintenance of its fiber.

The Cable Space Charge, as set forth in Section 17.10.1, preceding, is assessed to the CFP for the space in the zero manhole, conduit, riser and cable rack occupied by the fiber cable between the manhole and the CATT arrangement.

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**ACCESS SERVICE**

- 17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)
  - (C) Provisioning of CFP Facilities to the CATT - (Cont'd)

The Telephone Company will not allow transition splices within the cable vault. All CFP entrance fiber cables and activities associated with pulling the cable into the wire center and to the CATT arrangement must comply with Telephone Company practices and procedures. At any time, should the CFPs' installation be found in non-compliance with Telephone Company practices, the CFP will be responsible for correcting the problem within 48 hours of notification by the Telephone Company.

The Telephone Company provides and retains ownership of the equipment bay used in the CATT arrangement. The Telephone Company may conduct a quality inspection when the work is completed. At any time, should the CFPs installation be found in non-compliance with CenturyTel practices, the CFP will be responsible for correcting the problem within 48 hours of notification by the Telephone Company.

The CFP shall be responsible for the maintenance of defective splices and fiber cables installed by the CFP. An authorized Telephone Company representative must escort the CFP, or approved CFP agents, while any maintenance is performed on the CATT arrangement. Charges for escorting will be based on the applicable Additional Labor rates as set forth under Section 8.2.6.

The CFP will be responsible for placing an identification tag on its entrance fiber every 20 feet. The ID tags should include CFP company name, emergency contact name and telephone number, cable ID number and 11 character Common Language Location Identifier (CLLI) Code. The CFP splice tray at the CATT must also be labeled with the same CFP information.

Installation of CFP facilities is subject to all applicable regulations for EIS provided facilities as set forth in section 17.7.4 preceding.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)
- (D) Provisioning of Facilities from CATT to EIS Arrangements

EIS customers may request CFP provided CATT transport connections in a minimum of 12 strand increments in wire centers, where available, for Physical or Virtual EIS arrangements.

The EIS customer must submit an EIS Application Form , as set forth in Section 17.5.1 and Section 17.5.2 preceding, in addition to the applicable Application Fee when ordering a CATT transport connection along with an initial EIS arrangement.

When the EIS customer requests a CATT transport connection for an existing EIS arrangement, the EIS customer must submit an EIS Augment Application and a Minor Augment Fee for the CATT connection. The Minor Augment Fee can be found in Section 17.13.7, preceding.

Physical EIS customers must use a Telephone Company approved vendor and adhere to Telephone Company engineering specifications and practices. The vendor will hand off the cable to the CFP who will splice the cable at the CATT. An authorized Telephone Company representative must escort the EIS customer's vendors during the installation of the cable. The demarcation point will be a minimum of five feet from the CATT.

For Virtual EIS arrangements, the Telephone Company will place/pull the EIS customer provided fiber cable (minimum 12 strands) from the EIS customer's Virtual EIS arrangement and hand off the cable to the CFP in the CATT area. The CFP will perform the splice at the CATT under Telephone Company escort. The demarcation point will be a minimum of five feet from the CATT.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)

(D) Provisioning of Facilities from CATT to EIS Arrangements

A facility pull charge will be applied to the EIS customer for the labor hours required when the Telephone Company places/pulls the EIS customer provided fiber cable (minimum 12 fibers) from their Virtual EIS arrangement to the hand off to the CFP in the CATT area. The charge assessed to the CFP is based on the total labor hours times the applicable Labor Charges in Section 8.2.6 of this tariff.

Installation of CFP facilities from the CATT is subject to all applicable regulations for EIS customer-provided facilities as set forth in Section 17.7.4 preceding.

(E) Cancellation of a CATT Arrangement

Upon written notice by the CFP to the Telephone Company and all CATT customers of the cancellation of the CATT arrangement or discontinuance of the CATT arrangement by the Telephone Company due to default by the CFP, the following conditions would apply:

- (1) Upon notice of a CATT arrangement cancellation, the CFP shall continue to provide the CATT service for all EIS customers spliced to the CATT arrangement for a minimum of 60 days after said notice. The date that the CATT service will no longer be available is the "effective cancellation date". The cancellation notice must include the effective cancellation date.
- (2) The CFP would be responsible for removal of its splice tray(s) and support equipment from the CATT relay rack.
- (3) Removal of all CFP provided fiber cable from the premises within 30 days after the effective cancellation date. The CFP will perform the removal under Telephone Company escort. The customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the escort.
- (4) The Telephone Company reserves the right to remove the CFPs equipment if the CFP fails to remove and dispose of the fiber and equipment within 30 days after the effective cancellation date. The CFP will be charged the appropriate Additional Labor charge in Section 8.2.6 for removal of the fiber and equipment.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)17.14 Expanded Interconnection Service Alternatives – (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)(F) Cancellation of the EIS Customer's Connection to the CATT Arrangement

Upon written notice from the EIS customer of the cancellation of its CATT connection, EIS arrangement or notice by the CFP of the effective cancellation date that the CATT arrangement will be discontinued, the following conditions would apply:

- (1) The EIS customer would be responsible for removal of its EIS customer-provided fiber cable from the EIS arrangement to the CATT arrangement within 30 days after the effective cancellation date.
- (2) For Physical arrangements, the EIS customer will perform the removal of the fiber cable, under Telephone Company escort. The EIS customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the escort.
- (3) The Telephone Company reserves the right to remove the EIS customer's fiber cable if the EIS customer fails to remove and dispose of the fiber cable 30 days after the effective cancellation date. The customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for removal of the fiber cable.
- (4) For Virtual arrangements, the Telephone Company will remove the fiber cable. The EIS customer will be charged the appropriate Additional Labor charge in Section 8.2.6 for the removal of the cable.

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**ACCESS SERVICE**

- 17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)

(G) Rate Regulations

(1) CATT Application Fee

A CATT Application Fee, as set forth in Section 17.14.1(H)(1) following, is to be submitted by the CFP in order to process their completed application. The CATT Application Fee is a nonrecurring charge and recovers the expenses associated with the application processing, initial engineering site survey to assess space availability and the administrative activities performed by the Telephone Company in the processing of the request. The CATT Application Fee is non-refundable and applies for each request in which CFP facilities will be spliced at the CATT. The Telephone Company will process applications on a first-come, first-served basis.

(2) Engineering and Implementation Fee

An Engineering and Implementation Fee, as set forth in Section 17.14.1(H)(2) following, applies for Telephone Company planning, engineering and project management of CATT equipment installations and associated cabling. This nonrecurring charge applies to new CATT arrangements, as well as fiber or equipment augments to existing CATT arrangements.

(3) Relay Rack Space – Per Splice Tray

The Relay Rack Space – Per Splice Tray rate, as set forth in Section 17.14.1(H)(3) following, is assessed monthly to the CFP for the cost of providing the floor space for the CATT and for the Telephone Company provided equipment bay.

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**ACCESS SERVICE**

17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)
- 17.14 Expanded Interconnection Service Alternatives – (Cont'd)
- 17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)

(G) Rate Regulations

(4) Cable Rack Space –CATT to EIS Arrangement

This is a monthly recurring charge assessed, per innerduct foot of 12-fiber cable, to the EIS customer for the overhead superstructure space the fiber cable occupies from the CATT to the EIS arrangement. The rates for the Cable Rack Space-CATT to EIS Arrangement are in Section 17.14.1(H)(4), following.

(5) Facility Pull - Labor

A charge to pull the fiber cable will be assessed to the EIS customer for the labor hours required by the Telephone Company to place/pull the EIS customer-provided fiber cable (minimum 12 fibers) from their virtual EIS arrangement to the hand off to the CFP in the CATT area. The charge assessed the CFP is based on the total labor hours times the rate from the applicable Labor Charges in Section 8.2.6 of this tariff.

(6) Overhead Superstructure

The Overhead Superstructure charge, as set forth in Section 17.13.2, preceding, is used to recover the Telephone Company's engineering, material and installation costs for extending dedicated overhead racking required to deliver a CFP's or EIS customer's fiber to and from a CATT arrangement.

(7) Cable Space Charge

The Cable Space Charge, as set forth in Section 17.10.1, preceding, is assessed to the CFP for the space in the zero manhole, conduit, riser and cable rack occupied by the fiber cable between the manhole and the CATT arrangement.

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)17.14 Expanded Interconnection Service Alternatives – (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)(H) Rates and Charges(1) CATT Application Fee

	<u>Nonrecurring Charge</u>
(USOC)	(NRBAB)
<u>Jurisdiction</u>	
Missouri	\$694.18

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)17.14 Expanded Interconnection Service Alternatives – (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)(H) Rates and Charges - (Cont'd)(2) Engineering and Implementation Fee

	<u>Nonrecurring Charge</u>
(USOC)	(NRBAH)
<u>Jurisdiction</u>	
Missouri	\$1,132.61

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)17.14 Expanded Interconnection Service Alternatives – (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)(H) Rates and Charges - (Cont'd)(3) Relay Rack Space – Per Splice Tray

	<u>Monthly Charge</u>
(USOC)	
<u>Jurisdiction</u>	
Missouri	\$19.77

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**ACCESS SERVICE**17. EXPANDED INTERCONNECTION SERVICES - (Cont'd)17.14 Expanded Interconnection Service Alternatives – (Cont'd)17.14.1 Competitive Alternate Transport Terminal (CATT) Arrangement – (Cont'd)(H) Rates and Charges (Cont'd)(4) Cable Rack Space, Per Innerduct FootMonthly Charge.

(USOC) (C1FHB)

Jurisdiction

Missouri 0.01

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**ACCESS SERVICE**18      ADVANCED COMMUNICATIONS NETWORKS18.1      General

This section contains the rules and regulations pertaining to the provision of Packet Switching Network Service, and Modem Based Data Aggregation Service TCP/IP. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this tariff.

The following is a list of CenturyTel's Open Network Architecture (ONA) Packet Service Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names.

18.1.1      Generic Name

<u>Generic Name</u>	<u>CenturyTel Name</u>
Fast Select Acceptance - Packet	Fast Select
Fast Select Request - Packet	Fast Select

18.1.2      Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, or that involve actual physical change to the service.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as follows.

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name, i.e., the customer or record does not change but rather the name of record changes its name, e.g., XYZ Company to XYZ Communications,

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**ACCESS SERVICE**18        ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.1      General(Cont'd)18.1.2    Service Rearrangements (Cont'd)

- Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer contact name or telephone number, and
- Change of customer service element identification.
- Change of jurisdiction involving no physical changes to the service.

18.1.3    Moves

A move involves a change in the physical location of the point of termination of service. A move normally involves an interruption of service for the period required to complete the move. No credit allowance will be granted for that period. Special Construction may also be applicable at the different customer premises.

A customer may request that service not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate service, and subsequently discontinue the existing service. Charges, monthly and nonrecurring, will apply for the duplicate service. A new minimum period will be established for the duplicate portion of the service, depending on which end of the service is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected service.

The charge for the move depends on whether the move is within the same CDL or to a different CDL.

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**ACCESS SERVICE**18        ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.1      General (Cont'd)18.1.3    Moves (Cont'd)(A)      Same CDL

When the move of a termination is to a new point within the same customer premises (same address and/or same building), the charge for the move will be the installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements. For services subject to payment plan regulations, the same payment period will remain in force.

(B)      Different Customer Premises

When the move is to a different customer premises (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The appropriate service installation charge for the service termination(s) affected will apply. A new minimum period will be established for the installed service. The customer will remain responsible for all minimum period charges associated with the disconnected service. For services subject to payment plan regulations, a new payment plan will be established and full assessment of the remaining liabilities will be applicable.

When the move is to a different CDL but served by the same serving wire center, the following conditions apply:

- A change order will be required.
- The appropriate service installation charge for the service termination(s) will apply.
- For services subject to payment plan regulations, if the customer of record remains the same with no lapse in service, the appropriate NRCs for changes will apply. Otherwise, the move will be treated as a disconnect and an installation of service and all appropriate NRCs and full assessment of the remaining liabilities will be applicable.

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**ACCESS SERVICE**18        ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.2      Packet Switching Network Service18.2.1    Service Description (USOC - PS5+X)

Packet Switching Network Service uses packet switching technology to provide a switched data transport service. This service uses analog and digital facilities to provide usage-sensitive data transport for a variety of interactive (or bursty) data applications between two or more customer premises. The packet switch will be classified as a customer premises.

Packet switching technology divides data streams into packets. The packet network examines, routes and transports packets individually without maintaining a physical path between bursts of data. This service is based on CCITT (Consultative Committee on International Telegraphy and Telephony) X.25 protocol and X.75 internetworking protocol. The X.25 and X.75 protocols are international standards developed by the CCITT that provide the foundation for Public Packet Switched Networks. Packet Switching Network Service and features are available where facilities and conditions permit.

18.2.2    Service Provisioning

Customers may access the packet switching network through an X.75 internetworking access.

Packet switching carriers with a Data Network Identification Code may interconnect to an access port on the packet switching network with X.75 protocol at transmission speeds of 9.6 Kbps or 56 Kbps. Each X.75 access will require an X.75 Access Port charge, and a DDS Circuit Termination charge (9.6 Kbps or 56 Kbps) with associated DDS Special Transport charges, as set forth in Section 7.

The Circuit Termination and Special Transport charges provide analog or digital connections from the packet carrier's location to the access port on the Telephone Company's packet network. Shared use (ratcheting) to provision the access connection is not permitted.

The special access service associated with packet switching will be subject to the meet point billing requirements set forth in Section 2. However, all packet usage recorded at the Telephone Company's packet switch will be billed by the Telephone Company.

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**ACCESS SERVICE**

18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.2        Packet Switching Network Service (Cont'd)

18.2.3     Rate Regulations

(A)        Minimum Period

The minimum service period is one month.

(B)        Rate Application

- (1)        The monthly rates are flat-rated and are applied based on the speed and number of logical channels subscribed to per access port.
- (2)        Monthly rates for logical channels subscribed to will apply in addition to the monthly recurring charges for X.75 access. Rates applicable for X.75 access include a monthly recurring rate and an installation charge per X.75 access port, and are specified under Section 18.6.1. A DDS Circuit Termination charge (9.6 Kbps or 56 Kbps) and associated DDS Special Transport charges from Section 7 will also apply.

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**ACCESS SERVICE**

18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.2        Packet Switching Network Service (Cont'd)

18.2.4     Supplemental Features

(A)        Fast Select allows a sending data terminal to forward up to 128 bytes of data along with call setup and clearing packets. This feature is available to all customers and is initiated on a call-by-call basis.

(B)        Priority allows a customer to establish a "priority" status to the customer's data as it processes through the network. This feature is available to all customers and is initiated on a call-by-call basis.

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**ACCESS SERVICE**18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3        Modem Based Data Aggregation Service18.3.1     Service Description (USOC - XMOXX)

TCP/IP Data Aggregation Service is available in two service options. The basic offering is identified as Option 1 following. The high density offering is identified as Option 2 following.

## (A)        Service Option 1

service Option 1 is only available under the CenturyTel Operating Companies' Tariffs FCC Nos. 2 and 3.

M modem based data aggregation provides analog and ISDN dial-up channels which enable the customer to collect, concentrate, and transport traffic from end users to customer designated locations.

All IP (Internet Protocol) addressing and authentication are the responsibility of the customer. TCP/IP does not include the end user access service.

TCP/IP will utilize TCP/IP protocols based on IETF (Internet Engineering Task Force) standards. IETF is the engineering arm of the IAB (Internet Architecture Board). IETF defines protocol standards for Internet services. This tariff supports the following standards:

IP	Internet Protocol
TCP	Transmission Control Protocol
SLIP	Serial Line IP
CSLIP	Compressed Serial Line IP
PPP	Point to Point Protocol

## (B)        Service Option 2

In addition to the description of service under Service Option 1, TCP/IP Service Option 2 utilizes high density modem aggregation equipment that accepts a higher data rate of incoming traffic and delivers a higher data rate output than is available under Option 1. The equipment has the capacity for 2,688 modems per chassis, as compared with the equipment used for Option 1, which can accommodate up to 480 modems per chassis. The greater number of modems results in the capability to accept a larger number of incoming calls than is offered under Option 1. The equipment used in this option is designed for this higher traffic volume and requires a minimum input data rate from the central office switch of 45 Mbps, as contrasted with Option 1, where the equipment can accept incoming data up to a maximum rate of 1.544 Mbps. In order to accommodate the greater number of incoming calls and provide the 45 Mbps input, the equipment may use multiplexing functionality to aggregate the traffic from the switch to the modem aggregation equipment.

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**ACCESS SERVICE**18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.1 Service Description (Cont'd)(USOC - XMOXX)

(B) Service Option 2 (Cont'd)

Service Option 2 is available only under a three-year minimum subscription period, and only with a minimum of 151,001 channels from the combined CenturyTel Operating Companies under Tariffs FCC Number 2, and 3. (C)

The modem aggregation equipment is for the exclusive use of the customer, and will be provisioned in accordance with a mutually agreed implementation plan. This option is provisioned with a minimum requirement for 144 channels at each Telephone Company central office.

The service will be delivered to the customer at data rates of 45 Mbps.

The service provides the customer with monitoring and management capabilities, and gives the customer exclusive operational control over the functionality of the equipment. The customer's operation software and system must be capable of handling the higher data rates available under this option. Specifications for the current system requirements are available from the Telephone Company.

TCP/IP service provided under Option 1 is available where facilities and conditions permit. TCP/IP service provided under Option 2 is available from selected wire centers as identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. Some of these wire centers are suitably equipped to provide the service while others subtend a suitably equipped wire center. Included in the Service Option 2 rates set forth in 18.3.5(B) following is the necessary transport from a subtending wire center to a suitably equipped wire center for this Option 2.

18.3.2 Obligations of the Telephone Company

The Telephone Company has the service responsibility up to and including the network interface. Special Access Lines and Special Transport beyond the TCP/IP service are available from Section 7.

The Telephone Company will notify the customer of the completion and readiness of the requested TCP/IP site.

For Service Option 2, the Telephone Company will provide the customer with 120 hours notice in advance of scheduled maintenance at the Telephone Company's central office that could adversely impact the service.

For Service Option 2, the service includes upgrades to hardware and software at no charge to the customer when the Telephone Company's suppliers make such upgrades available to the Telephone Company without charge, and the Telephone Company reasonably determines it can implement the upgrades at nominal cost.

**ACCESS SERVICE**18        ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3      Modem Based Data Aggregation Service (Cont'd)18.3.3    Obligations of the Customer

The customer is responsible for obtaining an appropriate IP address.

- The customer's equipment must be compatible with the Telephone Company's equipment.
- The customer shall furnish information as may be required by the Telephone Company to design and maintain the service and to assure that the service arrangement is in compliance with the regulations contained herein.
- The customer's equipment must be in compliance with FCC rules and regulations.
- The customer must maintain software configuration, software management, and authentication control.
- For Service Option 2, the customer will provide the Telephone Company with at least 10 business days prior written notice before deploying any new planned software upgrades on the TCP/IP equipment that would implement any new major features or functionalities. Notwithstanding the foregoing, the customer shall be entitled to make emergency software upgrades and code revisions, without prior notice to the Telephone Company, in the event the customer or its end users experience problems in the network that materially and adversely affect the ability of the TCP/IP channels to meet performance requirements.
- For Service Option 2, the customer must notify the Telephone Company of any firm order cancellations to ordered channels before the Telephone Company begins service installation activities. Firm order cancellations received after installation work has started will incur charges for time and materials. Such cancelled channels shall not be subject to the 36 month commitment period for the channel.

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**ACCESS SERVICE**18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations

(A) Service Option 1

(1) Minimum Period

- (a) The minimum service period for TCP/IP Service Option 1 is four years for initial enrollment with two options for extension during the total time of subscription. A five year rate plan is also available.
- (b) For all TCP/IP data aggregation services, the billing will commence on the date customer acceptance has been completed or the 60th calendar day following the date of the Telephone Company's notification to the customer of site completion, whichever is sooner.

(2) Rate Application

- (a) Service Option 1 rates will be applied on a monthly basis per combined analog or ISDN dial-up channels based upon the total number of billed channels nationwide. The term Nationwide is defined as the aggregate of billed channels for CENTURYTEL OPERATING COMPANIES. Rates are based on a tiered structure. A dial up channel is defined as an individual circuit from the central office circuit switch to the modem pool.

In the 4 year rate plan for modem based dial up TCP/IP, the tiers will be: 4,000-7,999, 8,000-11,999, 12,000-15,999, 16,000-23,999; 24,000-31,999; 32,000-39,999; and, 40,000 channels or more on a nationwide basis.

In the 5 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 8,000-11,999, 12,000-23,999, 24,000-39,999, and 40,000 or more on a nationwide basis.

In the 6 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 40,000-59,999, 60,000-79,999, 80,000-99,999, 100,000-119,999, 120,000-139,999, 140,000-159,999, 160,000-179,999, 180,000-199,999, and 200,000 or more channels on a nationwide basis.

In the 7 year rate plan for modem based TCP/IP dial-up channels, the tiers will be: 200,000-284,999 and 285,000 or more channels on a nationwide basis. When the aggregated number of billed channels reaches 285,000 or more, there are three tiers for billing each of the first 300,000 channels and a separate rate for each additional channel exceeding 285,000. The tiers are 285,000-334,999, 335,000-384,999 and 385,000 or more total aggregated billed channels.

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**ACCESS SERVICE**18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3        Modem Based Data Aggregation Service (Cont'd)18.3.4     Rate Regulations (Cont'd)

(A)        Service Option 1 (Cont'd)

(2)        Rate Application (Cont'd)

The total number of analog and ISDN TCP/IP service Option 1 channels will determine the rate to be applied to all dial-up channels at each central office. For example, if the total number of dial-up channels is 9,250, all dial-up channels will be rated at the rate for the 8,000-11,999 tier. In those cases where customer orders are awaiting site completion beyond 30 days after ASRs have been verified by the Telephone Company to be provisionable, the rate tier will be determined based upon the total channels billed. Once site completion occurs, 18.3.5 is applicable.

(3)        Shared use (ratcheting) is not permitted.

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**ACCESS SERVICE**

18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3        Modem Based Data Aggregation Service (Cont'd)

18.3.4     Rate Regulations (Cont'd)

(A)        Service Option 1 (Cont'd)

(3)        Term of Commitment

The service is initially offered as a minimum four year commitment period.

(4)        Commitment Levels

An implementation period not to exceed six months for the 4 year rate plan and twelve months for the 5 year rate plan will be negotiated between the Telephone Company and the customer. During implementation, the applicable rate will be determined by the total number of modem channels or dedicated ports in service. However,

- (a) Under the 4 year rate plan for modem based data aggregation, if the total number of dial-up channels during implementation is less than 4,000, the rate for 4,000-7,999 will apply. Following the six months implementation period the minimum monthly nationwide commitment is 4,000 combined analog and ISDN dial-up channels. The commitment level will apply to TCP/IP total dial-up channels.
- (b) Under the 5 year rate plan for modem based data aggregation, if the total number of dial-up channels during implementation is less than 8,000, the 8,000-11,999 rate will apply. Following the twelve month implementation period, the minimum monthly nationwide commitment is 8,000 combined analog and ISDN dial-up channels. The commitment level will apply to TCP/IP total dial-up channels.

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**ACCESS SERVICE**18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations

(A) Service Option 1 (Cont'd)

(5) Changes to Commitment Level

Once activated, the total nationwide quantity of analog and ISDN channels must remain in service for the remainder of the commitment period. An allowance of a 2% decrease to the combined in service quantities of analog and ISDN channels (quantified at each quarterly review) will be permitted. Penalties for not meeting the commitment level are set forth under 18.3.4(A)(8).

(6) Service Enrollment

When the customer elects to enroll in Service Option 1, he/she must specify in writing, the enrollment date (which will be the anniversary date). The specified enrollment date must be within 120 days from receipt of the written enrollment request. The customer must also specify the central offices to be included. By the enrollment date, ASRs must be issued to provide the appropriate amount of TCP/IP Channels to fall within the commitment range specified in 18.3.4(B) as appropriate.

At enrollment, the minimum modem based services per central office is 24 analog channels or 23 ISDN channels. The maximum number of central offices deployed to meet the 4,000 minimum analog and/or ISDN channel commitment is 60 separate central offices. 8,000 analog and/or ISDN channels will have a maximum of 120 central offices, 16,000 analog and/or ISDN channels will have a maximum of 240 central offices and 24,000 or more analog and/or ISDN channels will have a maximum of 320 central offices. The 320 central office maximum is maintained for all channel quantities above 24,000.

(7) Subsequent to enrollment, growth ASR orders require a 24 channel analog or 23 ISDN minimum.

Quarterly Review

Each customer's service commitment will be reviewed quarterly beginning at the first enrollment anniversary. The customer will be notified in writing as to the status of the commitment requirements. This notification will inform the customer of any shortfall in the channel quantity level. Penalties for a missed commitment level are set forth under 18.3.4(A)(8).

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**ACCESS SERVICE**18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(8) Penalties for Failing to Obtain the First Six Month Commitment Level

At the second quarterly review, when the number of channels is less than the acceptable commitment range, the following penalty charges will apply, based on the difference between the commitment level less 2%. Channel quantity shortfalls of in service units below the minimum commitment level will incur a liability charge of 50% of the 4,000-7,999 analog channel rate per month, per unit below the commitment level until the enrollment commitment is obtained.

(9) Service Availability

During the four year subscription period commencing at the enrollment date, the Telephone Company objective level of service availability will be 98% of the monthly hours of operation for each central office. Should the service availability actually be less than 98% of monthly hours for the average channel of a central office (e.g., 30 days x 24 hrs. x .98 = 705.6 hrs.), the customer may terminate subscription for that central office without any termination liability or receive a credit of 40% of the monthly bill for that central office.

(10) Renewal Options

(a) Renewal Option 1 - No Growth in Months 37 to 48 of 4 Year Plan or 49 to 60 of 5 Year Plan

At the expiration of the term, the customer may select an additional four year or five year commitment, or convert to a month to month basis. If the customer fails to make a selection, the Telephone Company will notify the customer and continue with an additional month of billing. If the customer does not select a new term agreement within 30 days from the expiration date, billing will automatically continue on a month to month basis. To cancel the agreement after the initial four year term or five year term, the customer must provide written notification to the Telephone Company that the service will be terminated.

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**ACCESS SERVICE**

18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3 Modem Based Data Aggregation Service (Cont'd)

18.3.4 Rate Regulations (Cont'd)

(A) Service Option 1 (Cont'd)

(10) Renewal Options (Cont'd)

(b) Renewal Option 2 - Convert to 5 Year Rate Plan/Growth in Months 37 to 48

During the first 36 months of the 4 year rate plan, the customer may enroll in the 5 year rate plan if the customer has reached the 4,000 port tier. Months already completed will be credited toward meeting the 5 year enrollment term commitment. The 5 year renewal option has a requirement of reaching the 12,000 port tier within three months following the renewal letter date. Growth is restricted to the first 48 months of the 5 year rate plan. No growth is permitted in months 49-60. An allowance of a 2% decrease in units (quantified at each quarterly review) will be permitted. If the decline in units exceeds 2%, 50% of the monthly rate will be assessed through month 60 for the number of deficient units (exceeding the 2% decline threshold).

(c) Renewal Option 3 - Convert to 6 Year Rate Plan

During the first 36 months of the 48 month or 48 months of the 60 month commitment, the customer may enroll in the 6 year commitment period rate plan, if the customer has reached the 40,000 port tier. Months already completed from the original enrollment will be credited to meeting the 6 year enrollment commitment. The customer must request this option in writing and provide a copy of the initial enrollment letter or designate the months accumulated under the initial enrollment. The 6 year plan has no growth restrictions in any of the 72 months of the plan.

(d) Renewal Option 4 - Convert to 7 Year Rate Plan

During the first 72 months of the 6 year plan, the customer may enroll in the 7 year plan if the customer has reached the 200,000 port tier. Months already completed from prior plan enrollments will be credited to meeting the 7 year enrollment commitment. The customer must request this option in writing and provide a copy of the initial enrollment letter or designate the months accumulated under the initial enrollment. The 7 year plan has no growth restrictions in any of the 84 months of the plan.

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**ACCESS SERVICE**

18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3        Modem Based Data Aggregation Service (Cont'd)

18.3.4     Rate Regulations (Cont'd)

(A)        Service Option 1 (Cont'd)

(11)      Termination With Liability

Once the initial channel level commitment is met, a reduction of nationwide channel quantities from the installed base (determined at each quarterly review) will incur a termination liability of 50% of the remaining monthly payments to the end of the subscribed period.

Modem services which are discontinued are not held in reserve for customer use at the time of disconnection.

(12)      Termination Without Liability

During the customer's subscription period, should the monthly rate for a customer's TCP/IP service increase due to Telephone Company action, the customer may at his/her option, terminate the subscription without penalty or liability.

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18            ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3        Modem Based Data Aggregation Service (Cont'd)

18.3.4     Rate Regulations (Cont'd)

(B)        Service Option 2

(1)        Enrollment Period and Termination of Service

(a)        Service Option 2 requires a 36 month commitment period for each channel, commencing on the activation of the channel. The customer must provide the Telephone Company with written notification of subscription to Service Option 2.

(b)        After completion of the initial 36 month commitment period, channels will remain in service on a month-to-month basis, subject to termination by customer on 60 day written notice and termination by the Telephone Company on 180 day written notice.

(2)        Rate Application

(a)        Service Option 2 is provided at the annual rates per channel shown in 18.3.5(B) following for the minimum 36 month enrollment period, and thereafter on a month-to-month basis at 1/12 of the annual rate.

(b)        The customer can request the Telephone Company move (disconnect and reconnect) channels from one Telephone Company TCP/IP location to another, up to a maximum of 5% per calendar year quarter of the total channels in service within each calendar quarter, at the per-channel non-recurring charges set out below. Moved channels will be placed back in service within ninety (90) calendar days, or such other reactivation time period as may be mutually agreed-upon at the time of disconnect. Disconnect and reconnect move orders will be processed concurrently. Billing for the channels will continue during the move process. The service interval for moving channels is provided on a negotiated basis. Move charges are shown in 18.3.5(B) following.

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**ACCESS SERVICE**

18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)

18.3 Modem Based Data Aggregation Service (Cont'd)

18.3.4 Rate Regulations (Cont'd)

(B) Service Option 2 (Cont'd)

(3) Commitment Levels and Shortfall Charge

- (a) The customer's minimum commitment under this option is to place in service 151,001 channels (in the aggregate across all Telephone Company operating territories) by the end of a ramp-up period of 270 days after the customer's first order for channels, and to maintain that minimum number of channels in-service through the third anniversary of the acceptance date of the customer's initial channel.
- (b) If the Telephone Company ceases to offer high density TCP/IP service in a location through transfer of ownership of a Telephone Company central office to a non-Telephone Company entity, the minimum commitment shall be reduced by the number of the channels that had been provided at that central office.
- (c) The minimum commitment shall also be reduced by the number of channels terminated by the customer due to missed FOC/CFA dates as described in (4) following.
- (d) Channels that are in the process of being moved shall continue to be counted toward the minimum commitment.
- (e) The minimum commitment ends after the third anniversary referenced in (a) preceding.
- (f) At the end of the 270-day ramp-up period specified in (a) preceding and on the first and second anniversary of this date, the Telephone Company will notify customer of the current channel inventory and any shortfall below the minimum commitment specified in (a) preceding. The Telephone Company will then charge the customer for any shortfall in subscribed TCP/IP channels for the applicable period. The shortfall charge is the annual rate multiplied by the number of channels below the minimum commitment.

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**ACCESS SERVICE**18 ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.4 Rate Regulations (Cont'd)

(B) Service Option 2 (Cont'd)

(4) Delivery Commitment by the Telephone Company

If the Telephone Company cannot complete an installation within 15 calendar days after the applicable FOC/CFA date specified in the firm order, then at any time prior to the availability of the channel, the customer may terminate the applicable order, upon written notice to the Telephone Company, without any associated cancellation charge or other liability. In such case, the minimum commitment will be reduced by the quantity of channels in the missed order, without any associated increase in the per channel price. The reduction will not apply in the event the Telephone Company and the customer mutually agree to adjust the FOC/CFA dates or to shift the scheduled installation of channels from one location to another.

(5) Service Availability

The Telephone Company's objective for service availability for this high density service option is 99.9% of the monthly hours of operation for each Telephone Company central office that provides the service. Should service availability actually be less than 99.9% of the total monthly hours for the average channels at a central office (e.g., 30 days multiplied by 24 hours multiplied by .999 = 719 hours per average channel), the customer will receive a credit of 40% of the monthly charge (1/12 of the annual rate) for the affected average channels in the central office.

(6) Force Majeure

The Telephone Company and the customer shall be excused from performance under this high density service option to the extent that performance is delayed or prevented by any event, condition or circumstance that is beyond the control of the party affected and that, despite all efforts of the such party to prevent it or mitigate its effects, such event, condition or circumstance prevents the performance by such party of its obligations. Force Majeure Events include, but are not limited to: (i) explosion and fire; (ii) flood, earthquake, unusually severe storm, or other natural calamity or act of God; (iii) strike or other labor dispute; (iv) war, insurrection or riot and (v) acts of or failure to act by any governmental authority. Force Majeure Events do not include acts of customer's customers or end users, including actions that reduce the quantity of TCP/IP channels purchased by those customers or end users, or the length of the term of subscription to such channels.

(7) Early Termination of Service

In the event that TCP/IP service under Service Option 2 is terminated in its entirety prior to satisfying the 36 month enrollment period as described in (1) preceding, the customer is responsible for satisfying the outstanding charges for the minimum commitment through the balance of the enrollment period.

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges

## (A) Service Option 1

## (1) Analog TCP/IP Access - 4 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	4,000-7,999 Billed <u>Channels</u>	8,000-11,999 Billed <u>Channels</u>	12,000-15,999 Billed <u>Channels</u>	16,000 - 23,999 Billed <u>Channels</u>
(USOC)	(MBC1X)	(MBC2X)	(MBCEX)	(MBC3X)
<u>Jurisdiction</u>				
Alabama	\$82.00	\$74.00	\$72.00	\$70.00
Missouri	82.00	74.00	72.00	70.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (1) Analog TCP/IP Access - 4 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	24,000-31,999 Billed <u>Channels</u>	32,000-39,999 Billed <u>Channels</u>	40,000 or more Billed <u>Channels</u>
(USOC)	(MBC4X)	(MBC5X)	(MBC6X)
<u>Jurisdiction</u>			
Alabama	\$68.00	\$66.00	\$62.00
Missouri	68.00	66.00	62.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges

## (A) Service Option 1 (Cont'd)

## (2) Analog TCP/IP Access -5 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	8,000-11,999 Billed <u>Channels</u>	12,000-23,999 Billed <u>Channels</u>	24,000-39,999 Billed <u>Channels</u>	40,000 or more Billed <u>Channels</u>
(USOC)	(MBC1X)	(MBC2X)	(MBC3X)	(MBC4X)
<u>Jurisdiction</u>				
Alabama	\$60.00	\$59.00	\$58.00	\$57.00
Missouri	60.00	59.00	58.00	57.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (3) Analog TCP/IP Access - 6 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	40,000-59,999 Billed Channels	60,000-79,999 Billed Channels	80,000-99,999 Billed Channels
(USOC)	(MBCB6)	(MBC26)	(MBC36)
<u>Jurisdiction</u>			
Alabama	\$55.00	\$54.00	\$53.00
Missouri	55.00	54.00	53.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (3) Analog TCP/IP Access - 6 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	100,000-119,999	120,000-139,999	140,000-159,999
	Billed	Billed	Billed
	<u>Channels</u>	<u>Channels</u>	<u>Channels</u>
(USOC)	(MBC46)	(MBC56)	(MBCC6)
<u>Jurisdiction</u>			
Alabama	\$52.00	\$51.00	\$50.00
Missouri	52.00	51.00	50.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (3) Analog TCP/IP Access - 6 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	160,000-179,999	180,000-199,999	200,000 or more
	Billed	Billed	Billed
	<u>Channels</u>	<u>Channels</u>	<u>Channels</u>
(USOC)	(MBC76)	(MBC86)	(MBC96)
<u>Jurisdiction</u>			
Alabama	\$49.00	\$48.00	\$46.00
Missouri	49.00	48.00	46.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (3) Analog TCP/IP Access - 7 Year Rate Plan

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	200,000-299,999 Billed Channels
(USOC)	(MBC17)
<u>Jurisdiction</u>	
Alabama	\$46.00
Missouri	46.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 Modem Based Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (4) Analog TCP/IP Access - 7 Year Rate Plan (Cont'd)

Combined Analog and ISDN Nationwide Channels, Per Month, Per ChannelAdditional  
1st 300,000 Billed Channels  
Channels

	300,000-349,999	350,000-399,999	400,000 or More	Over 300,000
	Billed	Billed	Billed	Billed
	<u>Channels</u>	<u>Channels</u>	<u>Channels</u>	<u>Channels</u>

(USOC)

jurisdiction

Alabama	\$44.00	\$42.00	\$40.00	\$32.00
Missouri	44.00	42.00	40.00	32.00

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 TCP/IP Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (A) Service Option 1 (Cont'd)

## (5) ISDN TCP/IP Access

Combined Analog and ISDN Nationwide Channels, Per Month, Per Channel

	<u>500-999 Channels</u>	<u>1,000-2,999 Channels</u>	<u>3,000-4,999 Channels</u>	<u>5,000 or more Channels</u>
(USOC)	(MBC1X)	(MBC2X)	(MBC3X)	(MBC4X)
<u>Jurisdiction</u>				
Alabama	\$76.00	\$72.00	\$68.00	\$64.00
Missouri	N/A	N/A	N/A	N/A

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**ACCESS SERVICE**18. ADVANCED COMMUNICATIONS NETWORKS (Cont'd)18.3 TCP/IP Data Aggregation Service (Cont'd)18.3.5 Rates and Charges (Cont'd)

## (B) Service Option 2

## (1) TCP/IP Channels, annually per channel

All StatesAnnual Rate

All billed channels, each

\$280.00

## (B) Moves, per channel moved

Nonrecurring

All StatesCharge

First 60% of quarterly move allowance

\$ 25.00

Remaining 40% of quarterly move allowance

45.00

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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES19.1 Dedicated Transit Service

Unless otherwise specified herein, general regulations contained in other sections of this tariff apply in addition to the regulations contained in this section.

(A) Description

The Telephone Company provides Dedicated Transit Service (DTS) which allows a collocating telecommunications carrier to interconnect its network with that of another collocating customer at the Telephone Company's premises and to connect its collocated equipment to the collocated equipment of another telecommunications carrier within the same Telephone Company premises pursuant to Section 251(C)(6) of the Communications Act of 1934, as amended. DTS is provided between the collocated arrangements (physical or virtual) of the same or of two different collocation customers in the same Telephone Company premises, using Telephone Company provided distribution facilities. DTS is available at DS0, DS1 and DS3 electrical and optical levels or using dark fiber, provided that the collocated equipment is also used for interconnection with the Telephone Company or for access to the Telephone Company's unbundled network elements. DTS is provided at the same transmission level from collocated customer to collocated customer.

DTS rates and charges for DS0, DS1, DS3 and dark fiber circuits are specified in Section 19.1(E). In addition, the Telephone Company will also provide other technically feasible cross connect arrangements, including lit fiber, on an Individual Case Basis (ICB) as requested by a collocating telecommunications carrier.

The DTS arrangement requires the requesting collocated customer to provide cable assignment information for itself as well as for the other collocated customer. The Telephone Company will not make cable assignments for DTS.

DTS also allows for one collocated customer to connect two of its virtual collocation arrangements in the same Telephone Company premises (virtual collocation cascading arrangement).

DTS installations are completed and maintained by the Telephone Company and is provided on a negotiated interval.

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**ACCESS SERVICE**19 INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(B) Responsibility of the Customer

The ordering collocator is responsible for all ordering, bill payment, disconnect orders and maintenance transactions and is the customer of record.

When initiating a DTS request, the requesting collocator must submit an ASR, and a letter of agency from the collocator's customer to which it is connecting authorizing the DTS connection and facility assignment.

The ordering collocator customer must submit to the Telephone Company written certification that more than ten percent (10%) of the amount of traffic to be transmitted through its DTS connection will be interstate. The Telephone Company will accept the certification unless the Federal Communications Commission grants a Section 208 complaint filed by the company that challenges the certification.

(C) Application of Rates and Charges

The application of rates and charges for cross-connection to a physical or virtual collocation arrangement are set forth in 7.2.1(F) for DS0, DS1 and DS3 DTS and in 19.2 for dark fiber DTS.

In addition to any applicable nonrecurring charge for the cross-connect, a DTS Service Order Charge and DTS Service Connection charges apply as set forth in (D) following.

(D) Rate Elements(1) DTS Service Order Charge

The DTS Service Order Charge is a nonrecurring charge which is applied to the collocator, per DTS order, which includes the costs for order placement and issuance provided by the Telephone Company.

(2) DTS Service Connection-Provisioning

This is a nonrecurring charge, applied to the collocator, per DTS order, which includes the circuit design and labor costs associated with the provisioning of DS0, DS1, DS3 and dark fiber circuits for DTS.

(3) DTS Service Connection-C.O. Wiring

This is a nonrecurring charge which is applied per DTS jumper to the requesting collocator for the recovery of DTS jumper material, wiring and service turn-up for DS0, DS1 and DS3 and dark fiber circuits.

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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.1 Dedicated Transit Service (Cont'd)

(E) Rates and Charges

(1) Service Order Charge

Ordering Charge,  
Per DS0, DS1, DS3  
Or Dark Fiber Order

Missouri

\$21.89

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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(E) Rates and Charges (Cont'd)(2) DTS Service Connection – Provisioning, Per Order

	<u>DS0 Nonrecurring Charge</u>	<u>DS1, DS3, or Dark Fiber Nonrecurring Charge</u>
Missouri	\$55.57	\$108.56

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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.1 Dedicated Transit Service (Cont'd)(E) Rates and Charges (Cont'd)(3) DTS Service Connection – C.O. Wiring, Per Jumper

<u>Jurisdiction</u>	<u>DS0 Nonrecurring Charge</u>	<u>DS1, DS3 and Dark Fiber Nonrecurring Charge</u>
Missouri	\$6.64	\$16.02

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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES19.2 Dedicated Transit Service – Optical Facility Terminations(A) Description

Collocation customers requesting a DTS arrangement involving dark fiber cross-connects must apply for Optical Facility Terminations between the Telephone Company's fiber distribution panel (FDP) and the collocator's transmission equipment and facilities. Optical Facility Terminations are limited in use solely in conjunction with DTS. The following rate elements associated with Optical Facility Terminations are described in Section 19.2(D): Fiber Optic Patch Cord Pull-Engineering, Fiber Optic Patch Cord Pull, Fiber Optic Patch Cord Termination, Facility Termination-Fiber Optic Patch Cord Cable, Fiber Optic Patch Cord-24 Fiber (Connectorized) and Cable Rack Space-Fiber Optic Patch Cord. Optical Facility Termination rates are specified in Section 19.2(E).

(B) Responsibility of the Customer

In addition to the general regulations set forth under Section 19.1(B), customers requesting Optical Facility Terminations will be required to complete an Expanded Interconnection Service application form as described in Section 17.6.1(C) and 17.6.1(H) and submit a Minor Augment request as described in Section 17.5.6.

(C) Application of Rates and Charges

The applications of rates and charges for cross connection to physical or virtual collocation arrangements are set forth following.

(D) Rate Elements(1) Facility Termination-Fiber Optic Patch Cord Cable

The Facility Termination-Fiber Optic Patch Cord Cable charge is a monthly recurring charge applied per fiber terminated. This charge recovers the space and maintenance costs of the termination at the FDP.

(2) Cable Rack Space-Fiber Optic Patch Cord

The Cable Rack Space-Fiber Optic Patch Cord recovers the space utilization cost of the fiber optic patch cord within the Telephone Company's cable rack system. This is a monthly recurring charge.

(3) Fiber Optic Patch Cord Pull-Engineering

The Fiber Optic Patch Cord Pull-Engineering is a nonrecurring charge applied per Optical Facility Termination project to recover the engineering costs of pulling the fiber optic patch cord from the collocation space to the Telephone Company's FDP.

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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(D) Rate Elements (Cont'd)

(4) Fiber Optic Patch Cord Pull

The Fiber Optic Patch Cord Pull is a nonrecurring charge applied per cable run and recovers the labor cost of pulling the fiber optic patch cord from the collocation space to the Telephone Company's FDP.

(5) Fiber Optic Patch Cord Termination

This is a nonrecurring charge applied per fiber termination and is designed to recover the labor cost of terminating the fiber optic patch cord from the collocation space to the FDP.

(6) Fiber Optic Patch Cord – 24 Fiber (Connectorized)

The collocator will be assessed this charge if it elects to have the Telephone Company purchase fiber optic patch cord cable(s) required for Optical Facility Terminations. This nonrecurring charge includes all costs associated with fiber optic patch cord material provided to the collocator.

When DTS is provided using lit fiber or other technically feasible cross-connection arrangements for which general tariff rates and charges do not already exist, the rates and charges for DTS will be developed on an Individual Case Basis.

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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(E) Rates and Charges

(1) Facility Termination – Fiber Optic Patch Cord Cable

Monthly Charge,  
Per Connector

Jurisdiction

Missouri	\$1.39
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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(2) Cable Rack Space-Fiber Optic Patch CordMonthly Charge,  
Per CableJurisdiction

Missouri \$0.57

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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(E) Rates and Charges (Cont'd)

(3) Fiber Optic Patch Cord Pull-Engineering

Nonrecurring Charge,  
Per Project

Jurisdiction

Missouri	\$101.81
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**ACCESS SERVICE**19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)(E) Rates and Charges (Cont'd)(4) Fiber Optic Patch Cord PullNonrecurring Charge,  
Per Cable RunJurisdiction

Missouri \$223.85

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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(E) Rates and Charges (Cont'd)

(5) Fiber Optic Patch Cord Termination

Nonrecurring Charge,  
Per Termination

Jurisdiction

Missouri	\$1.21
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**ACCESS SERVICE**

19. INTERCONNECTION BETWEEN COLLOCATED SPACES (Cont'd)

19.2 Dedicated Transit Service – Optical Facility Terminations (Cont'd)

(E) Rates and Charges (Cont'd)

(6) Fiber Optic Patch Cord – 24 Fiber (Connectorized)

Nonrecurring Charge,  
Per Cable

Jurisdiction

Missouri	\$888.00
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**ACCESS SERVICE**20. Optical Networking20.1 General

This section contains the rules and regulations pertaining to the provisioning of SONET Access and Dense Wave Division Multiplexing (DWDM) Service. The regulations and rates specified herein are in addition to the applicable rates and regulations specified in other Sections of this tariff.

This service supports asynchronous bandwidth capacities at 1.5 Mbps and 45 Mbps in addition to synchronous Optical Carrier (OC) bandwidth capacities at OC3, OC12, OC48, OC48c and OC192 bit rates and 1.25 Gbps or 2.5 Gbps wavelengths. The SONET add/drop multiplexer aggregates lesser bit speed services onto the dedicated SONET ring or the two-point SONET circuit configuration.

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**ACCESS SERVICE**20. Optical Networking20.2 Description

Optical Networking is comprised of high speed SONET based and/or Dense Wave Division Multiplexing (DWDM) technology providing connectivity at, and transport between, two or more customer designated locations (CDLs).

All traffic must originate and/or terminate at the IC customer location.

20-3 Conditions

Optical Networking services are provided where facilities are available with sufficient bandwidth capacity to meet the customers request.

The customer is responsible for providing all facilities and cabling necessary to connect customer equipment to this interface.

Customer Facility Assignment (CFA) is controlled by the Telephone Company, on all non-interexchange access customer serving wire centers on the IOF and extends to the terminating CDL. Should the customer require control of the facility assignment and order multiplexing on the IOF, the services from the multiplexer to the end user serving wire center will be ordered from Section 7 of this tariff.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.3 Conditions (Cont'd)

It is the customer's responsibility to ensure that the customer's equipment provides industry standard electrical signals compatible with Optical Networking transport transmission. Technical specifications are contained in the following publications:

Bellcore Document GR-253-CORE, Issue 2, April, 1996  
Bellcore Document GR-1400-CORE, Issue 1, March, 1994  
Bellcore Document GT-1374-CORE, Issue 1, March, 1994  
American National Standard, ANSI T1.105-1996  
American National Standard, ANSI T1.102-1993

The Company will work cooperatively with the customer during a planning session to insure that the customer orders sufficient Optical Networking bandwidth capacity to satisfy the customer's requirements as well as other applicable Optical Networking services. This planning session must take place prior to an initial Optical Networking ASR.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges

The Connect rate element provides the platform for customer access to the Telephone Company's Optical Network. The Connect element provides the link between the CDL and the SWC of the CDL.

(A) There are three types of Connects:

- |   |                       |   |                                  |
|---|-----------------------|---|----------------------------------|
| - | Single Route Connect* | - | Jointly Provided Custom Connect* |
| - | Dual Route Connect*   | - | Wholly Provided Custom Connect*  |
| - | Ring Connect*         | - | Express Connect                  |
| - | CO Connect*           | - | Flex Express Connect             |
| - | Shared Connect*       | - | Custom Connect                   |

(1) Single Route Connect

The Single Route provides a connection to the Telephone Company's wire center(s) via a point-to-point route configuration. The Single Route Connect may be provided as electrical or optical interface in OC bandwidths of OC3, OC12, OC24 or OC48.

(2) Dual Route Connect

The Dual Route Connect provides a connection to the Telephone Company's wire center(s) in which the working transmission path traverses a distinct and separate path from the protection transmission path. The Dual Route Connect may be provided as electrical or optical interface in OC bandwidths of OC3, OC12, OC24 or OC48.

(3) Ring Connect

The Ring Connect provides a connection to the Telephone Company's wire centers via a ring topology that provides no single point of failure. The Ring Connect has a minimum of three nodes one of which must be a Telephone company wire center. The Ring Connect may be provided as either electrical or optical interface in OC bandwidths of OC3, OC12, OC24 or OC48. When two of the nodes are customer designated locations, at least one of those nodes must be electrical.

\* Grandfathered to existing service effective December 26, 1998.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)(A) Connect (Cont'd)

(4) CO Connect

The CO Connect provides access to the Telephone Company's Optical Networking platform. The CO Connect is provided at DS3, DS1 and DS0 levels. The appropriate special access line from Section 7 will apply.

When a CO Connect is provided at a DS3 or DS1 level, the customer may order multiplexing, as shown in Section 7, at the end user serving wire center. The customer will be charged for the multiplexing in addition to the CO Connect.

When a CO Connect is ordered at a DS0 level, the customer must request a minimum of a DS1 interface at the IC customer wire center and will be charged for the appropriate payload (i.e., DS1 or DS3) at the IC customer wire center.

(5) Shared Connect

The Shared Connect is a SONET based DS1 or DS3 that is provided on a shared SONET facility basis to multiple customer designated locations. The Shared Connect is only available where existing SONET infrastructure is in place.

The Shared Connect may be provided as either a dual route or as ring topology.

(6) Jointly Provided Custom Connect (Custom Connect - JP)

The Jointly Provided Custom Connect provides a connection to the Telephone Company's SONET wire center(s) to an access customer's designated location (CDL) where service is provided by another telephone company. The Jointly Provided Custom Connect is mileage sensitive and may be provided in OC bandwidths of OC3, OC12, OC24 and OC48 as an electrical option only, i.e., GTE provided electronics. Mileage will be calculated based on the V&H coordinates of the wire centers comprising each segment of the connect. The meet point billing mileage calculation is specified in 2.4.7.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)(A) Connect (Cont'd)

(6) Jointly Provided Custom Connect (Custom Connect - JP) (Cont'd)

Payloads are included in the monthly rate for the Jointly Provided Custom Connect. However, access to CDLs provided by the Telephone Company require other Optical Networking rate elements as ordered by the customer, i.e., Ring Connect and Payloads, CO Connect and SAL(s), Transport, etc.

(7) Wholly Provided Custom Connect (Custom Connect - WP)

The Wholly Provided Custom Connect provides a connection to the Telephone Company's SONET wire center(s), an interexchange access customer designated location (CDL), and the access customer's end user CDL(s) via a ring topology. The Wholly Provided Custom Connect may be provided in OC bandwidths of OC3, OC12 or OC48.

The Wholly Provided Custom Connect is comprised of four rate elements, CDL Node, CO Node, Custom Connect (CC) Transport and CC Rider. The CDL Node rate element is applicable for each customer designated location, the CO Node is applicable for each central office that is equipped with a fiber optic terminal in which the customer requests the ability to add/drop traffic to a CDL and the CC Transport rate element is applicable for transport from the serving wire centers of the customer designated locations and CO Nodes. The CC Rider is the customer service riding the CC Transport. The CC Rider may be provided at DS1, DS3, OC3 and OC3c bandwidth levels as required by the customer. The bandwidth of the CDL Nodes, CO Nodes and CC Transport rate elements must be the same.

The CC Transport provides distance sensitive transport on a ring topology. The transport is measured from the primary serving wire centers of the customer designated locations and the CO Nodes.

In addition to the Wholly Provided Custom Connect rate elements, the appropriate special access line (SAL) from Section 5 is applicable from the CO Node to the customer designated location where traffic is entering the Wholly Provided Custom Connect at a DS1 or DS3 bandwidth level as required by the customer.

The Wholly Provided Custom Connect may be ordered as Switched or Special Access.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)(A) Connect (Cont'd)

(8) Express Connect

The Express Connect provides a connection to the Telephone Company's Optical Networking wire center(s) via a ring topology consisting of three nodes, one of which must be a Telephone Company wire center. When two of the nodes are customer designated locations, at least one of the nodes must be electrical. The Express Connect is provided at a bandwidth of OC3, OC12 or OC48 and may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year Term Payment Plan (TPP).

The Express Connect has three rate elements, a "First System" with optional "Additional System(s) and Additional Express Nodes." The customer may order up to three "Additional Systems" of OC3, OC12 or OC48 bandwidth not to exceed OC12, OC48 or OC192 bandwidth capacity, respectively. Payload charges are included in the monthly rate for Express Connect.

The customer may subscribe to Custom Connect Shared Transport or Banded Optical Transport with Express Connect.

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)
- 20.4 Application of Rates and Charges (Cont'd)
- (A) Connect (Cont'd)
- (9) Flex Express Connect

The Flex Express Connect provides a connection to the Telephone Company's Optical Networking wire center(s) via ring topology with a minimum of four nodes, two of which must be Telephone Company wire centers. When two or more of the nodes are customer designated locations, only one of those nodes may be without electronics. The Flex Express Connect is provided at a bandwidth of OC3, OC12 or OC48.

Flex Express Connect is comprised of four rate elements, a "First System" with optional "Additional System(s)", Additional Flex Nodes and Flex Express Transport. The customer may order up to three "Additional System(s) of OC3, OC12 or OC48 bandwidth not to exceed OC12, OC48 or OC192 bandwidth capacity, respectively.

Flex Express Transport is applicable for transport from the serving wire center of the customer designated location(s) and the CO Nodes. Flex Express Transport is ordered with the "First System" and each "Additional System" Flex Express Connect in OC3, OC12 or OC48 bandwidth not to exceed OC12, OC48 or OC192 bandwidth capacity, respectively.

Flex Express may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year Term Payment Plan (TPP). After the initial order for Flex Express Connect, month-to-month rates shall apply for the Additional Flex Nodes. When the TPP of the Flex Express "First System" expires and the customer does not renew the TPP as shown in 20.7(B), the first Flex Express "Additional System" will assume the Flex Express "First System" rates.

In addition to the Flex Express Connect rate elements, Custom Connect Transport (CC \* Transport), as described in 20.4(A)(10), is applicable for transport from the serving wire | \* centers of the customer designated locations and CO Nodes. \*

Rider charges are included in the monthly rate for Flex Express Connect.

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.4 Application of Rates and Charges (Cont'd)

(A) Connect (Cont'd)

(10) Custom Connect

The Custom Connect provides a connection to the Telephone company's Optical network and an access customer's designated location (CDL). The Custom Connect is comprised of CO Nodes, CDL Links, Transport and Riders. Each Custom Connect must consist of a minimum of two customer designated locations, one of which must be a CDL Link.

(a) CO Node

The CO Node rate element is applicable for each central office that is equipped with a fiber optic terminal in which the customer requests the ability to add/drop traffic to a CDL. If the customer wants to drop traffic below a DS3 at the CO Node, the customer must request a minimum DS1 interface and special access line from Section 5. The CO Node may be ordered at an OC3, OC12, OC48 or OC192 bandwidth capacity. The OC192 CO Node cannot drop traffic below an OCn level. The CO Node may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year Term Payment Plan (TPP).

The CO Node may be ordered when a customer requires OC level multiplexing on the Custom Connect.

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**ACCESS SERVICE**

- 20. Optical Networking (Cont'd)
- 20.4 Application of Rates and Charges (Cont'd)
  - (A) Connect (Cont'd)
    - (10) Custom Connect (Cont'd)

CDL Link

The CDL Link rate element is applicable for each customer designated location in which the customer requests the ability to add/drop traffic. The CDL Link is offered as Single Route, Diverse Route or Ring Route and may be ordered with or without Telephone Company provided electronics as OC3, OC12, OC48 or OC192 bandwidth capacity. Only one CDL Link per connect may be ordered without electronics.

If more than two Links or Nodes are ordered on the same order, the CDL Link must be ordered as a Ring Route CDL Link. A Custom Connect ordered via a ring topology will be provided with a service guarantee as shown in 2.4.4(A)(8).

The CDL Link may also be ordered as OC3c, OC12c or OC48c Single Route or Diverse Route with Telephone Company provided electronics. OC3c, OC12c and OC48c rider charges are included in the monthly rate for OC3c, OC12c and OC48c CDL Links.

The CDL Link may also be ordered as 1.25 and 2.5 Gbps Single Route or Diverse Route. This CDL Link cannot ride a higher level facility and can only be ordered CDL to CDL.

The CDL Link may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year TPP.

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**ACCESS SERVICE**

- 20. Optical Networking (Cont'd)
- 20.4 Application of Rates and Charges (Cont'd)
  - (A) Connect (Cont'd)
    - (10) Custom Connect (Cont'd)

CDL Link with Optical Cross Connect

The CDL Link with Optical Cross Connect provides the communications path between the Telephone Company provided electronics and a customer's transmission equipment and facilities where the customer is provided EIS as defined in Section 17. This rate element includes the CDL Link from the fiber optic terminal and the optical jumpers to facilitate the cross connect to the customer's transmission equipment and facilities within the Telephone Company wire center.

The CDL Link with Optical Cross Connect will be provided as single route without telephone company provided electronics as OC3, OC3c, OC12, OC12c, OC48, OC48c or OC192 as ordered by the customer.

In addition to the rate for the CDL Link with Optical Cross Connect, the appropriate CDL Link rate element is applicable from the customer-designated location to the serving wire center.

The CDL Link with Optical Cross Connect may be ordered under a one (1) year, three (3) year, five (5) year or seven (7) year TPP.

Rates for the CDL Link with Optical Cross Connect are as shown in 20(K)(3) will apply in addition to other charges as specified in Section 17.

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**ACCESS SERVICE**

- 20. Optical Networking (Cont'd)
- 20.4 Application of Rates and Charges (Cont'd)
  - (A) Connect (Cont'd)
    - (10) Custom Connect (Cont'd)

Transport

Transport may be ordered as shared or dedicated. Shared Transport is applicable when the transport between Node and/or Links is ordered at different bandwidth levels. The Dedicated Transport is applicable when transport between the Nodes and/or Links is of the same bandwidth level.

Shared Transport may be ordered in bandwidths of DS1, DS3/STS1, OC3, OC3c, OC12, OC12c, OC48 or OC48c. Dedicated Transport may be ordered in bandwidths of OC3, OC3c, OC12, OC12c, OC48, OC48c or OC192, 1.25 Gbps or 2.5 Gbps. The transport is mileage sensitive and will be calculated based on the V&H coordinates of the wire centers comprising each segment of the connect. The meet point billing mileage calculation is specified in 2.7.3. The customer has the option to subscribe to Banded Optical Transport in place of Custom Connect Shared Transport.

The Transport is provided at a flat-rated monthly recurring charge.

Rider

The Rider is the customer's service(s) traversing the CDL Link. Riders may be provided at DS1, DS3, OC3c, OC12c, OC48c or STS1 bandwidth levels as required by the customer. The DS1 and DS3 rider may not be utilized on an OC192 facility.

The Rider is provided at a flat-rated monthly recurring charge which includes add/drop multiplexing and is applicable per rider circuit with the exception of OC3c, OC12c, and OC48c CDL Links, Express Connect and Flex Express Connect.

Intrastate riders may be transported on the customer's interstate Optical Networking facility.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)

(B) Optical Network Transport

The transport element provides for the interoffice Optical Networking designated transport between wire centers on Telephone Company defined LANs. Each IC customer Connect must have its own transport. Transport cannot be shared among IC customer Connects.

Optical Network Transport may be provided as LAN-wide, LAN-wide Premium, Point-to-Point, or Ring Per-Mile Transport in bandwidth capacities of OC1, OC3, OC12, OC24 and OC48. SONET Transport may be purchased in DS0, DS1 or DS3 bandwidths. Band SONET Transport may be purchased in DS0, DS1, DS3, OC3 or OC12 Bandwidths.

- (1) LAN-wide Transport provides transport between two or more Optical Networking designated wire centers located on the IOF transport. LAN-wide Transport is provided at a non-distance sensitive flat-rated monthly charge per LAN traversed. LAN-Wide Transport is not guaranteed. However, the customer will have protection routing topology. Multiple Connects served from any of the Optical Networking designated terminating wire center on the LAN may utilize this element.
- (2) LAN-wide Premium Transport provides the same as LAN-wide Transport. Provisioning of LAN-wide Premium Transport provides a quicker restoral time. LAN-wide Premium Transport is provided at a flat-rated monthly charge per LAN traversed.
- (3) Point-to-Point Transport provides transport between the serving wire centers associated with two CDLs. Point-to-Point Transport is provided at a distance sensitive rate on a per airline mile basis. Mileage is measured between the wire centers of the customer designated locations. Point-to-Point Transport may be ordered as switched or special access.
- (4) Ring Per-Mile Transport provides distance sensitive transport on a ring topology. The transport is measured in airline miles from the primary serving wire centers of the customer designated locations.

Ring Per-Mile Transport provides a service guarantee as shown in 2.4.4(A).

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)(B) Optical Network Transport (Cont'd)

- (5) J-SONET Transport provides transport between the serving wire centers of the CDLs. J \*  
SONET Transport may be provided at DS0, DS1 or DS3 bandwidth levels as required by the customer. The bandwidth of the transport must be the same as the bandwidth of the CO Connect or the payload, e.g., DS0 JSONET requires a DS0 connect and DS3 JSONET Transport requires a DS3 CO Connect. \*

J-SONET Transport is provided at a non-distance sensitive flat rated monthly charge per LAN traversed.

- (6) Banded Optical Transport provides transport between the serving wire center of the interexchange access customer's location and the access customer's end user premises. Banded Optical Transport may be provided at DS0, DS1, DS3, OC3, STS1, OC12 or OC48 bandwidth levels as required by the customer. Wholly provided Banded Optical Transport may also be provided at OC3c, OC12c or OC48c bandwidth levels. When Banded Optical is ordered at a DS0 level, the customer must request a minimum of a DS1 interface at the IC customer wire center and will be charged the appropriate rider (i.e., DS1 or DS3). Banded Optical Transport is provided with a service guarantee as shown in 2.4.4(A)(8). For subscription to Banded Optical Transport, the customer must have an accumulative demand requirement equivalent to an average of nine DS3s, i.e., 5,978 channels, per LATA, per state. The bandwidth will be reviewed annually at a mutually agreed upon date by the customer and the Company. An allowance of minus 2% will be considered as having met the commitment level. Should the bandwidth fall below minus 2%, the customer will have thirty (30) days to meet the bandwidth requirement. If not met, the customer will be notified by the Telephone Company and will be required to convert from Banded Optical Transport to another Optical Network Transport option.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)

(B) Optical Network Transport (Cont'd)

(6) (Cont'd)

Banded Optical Transport is provided at a flat-rated monthly charge for one (1) year, three (3) year, five (5) year, or seven (7) year contract periods. The contract period for Banded Optical Transport cannot exceed the contract period of the Connect. Banded Optical Transport includes the special access line from the end user serving wire center to the end user premises, for both on-net and off-net, with the exception of jointly provided Banded Optical Transport. Banded Optical Transport will be provisioned at the highest network facility available at the time of the order. The monthly rate will be determined based on the mileage between the serving wire centers of the customer designated locations and is applicable on a per circuit basis. Mileage will be rounded up to the next whole mile except when the CDLs are collocated.

When both customer designated locations are provided by the Telephone Company, wholly provided, the monthly rates as shown in 20.11 are applicable. When one of the customer designated locations is provided by another telephone company, or the customer terminates at a multiplexer in a wire center on IOF, jointly provided, the monthly rates as shown in 20.11 shall apply. For jointly provided transport with another telephone company, the meet point billing mileage calculation is specified in Section 2.7.3.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.4 Application of Rates and Charges (Cont'd)

(D) Payload

Payload is the customer service riding on the shared IOF transport and/or the activation of the service(s). Payload is provided at a flat-rated monthly recurring charge which includes add/drop multiplexing and is applicable at the wire center for each customer designated location, with the exception of CO Connects, Banded Optical Transport and Wholly Provided Custom Connect. Payload services include DS1, DS3, OC3, OC3c, OC12, OC12c and STS1.

The monthly rates for DS1 payloads are shown in 20.4.(K).

20.5 Additional Node

An Additional Node can only be added to the Express Connect. The Additional Node provides the customer another wire center or customer designated location on the Express Connect. The Additional Node is provided as an electrical interface, but can be added to a Express Connect that is either an electrical or optical interface.

When an Additional Node is added to a Express Connect, the CDL of the Additional Node must be served from the same serving wire center or the same alternate serving wire center as the other Nodes (CDLs) on the Express Connect.

The Additional Node is provided at a flat-rated monthly rate and a nonrecurring charge which is applicable to the customer designated location(s). After the initial order for Optical Networking, month-to-month rates shall apply.

The Additional Node must be ordered in the same bandwidth as the Express Connect.

20.6 Incremental Growth

Incremental Growth facilitates a customer's growth in increments of OC3. Incremental Growth applies only to Connects and Additional Nodes.

Incremental growth added to the Ring Connect must also be added for the Additional Node to maintain consistent bandwidth across the Connect.

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.7 Rate Regulations

Optical Networking may be ordered under a one (1), three (3), five (5), or seven (7) year Term Payment Plan (TPP). Any TPP for these services is subject to an TPP Termination Liability Charge as specified herein.

When ordered together the TPP applies to Connects, Banded Optical Transport and Additional Nodes.

(A) Changes in Length of a TPP

Prior to the expiration of a TPP period, the customer may elect to convert to a new TPP period of the same or different length, subject to the following conditions:

- No credit will be given for the new period for payments made under the original TPP arrangement.
- NRCs will not be reapplied for existing services.
- If the new TPP period is shorter in length than the time remaining under the existing TPP, the change to the new TPP period constitutes a disconnect of the existing TPP service and termination liability charges will apply.
- The rates for the new period will be the rates currently in effect at the time of the change.
- If the customer subscribes to a new TPP which is greater in length than the initial TPP term and discontinues one or all of the service elements prior to the expiration of the new termination liability period, the termination liability, as set forth below, will apply based on the remainder of the TPP period in effect at the time of the disconnect.

<u>Year in which Service Is Discontinued</u>	<u>Liability Rate</u>
1	100%
2	75%
3	50%
4 or more	25%

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.7 Rate Regulations (Cont'd)(B) Renewal Options

Ninety (90) days prior to the expiration of the existing TPP, the customer shall submit in writing to select a new TPP or disconnect service. If no notice is received, the Company will automatically reconnect the customer to a new TPP with the same term life as the previous.

After completion of the initial TPP term and the customer subscribes to a new term that is longer in length the termination liability, as set forth below, will apply based on the remainder of the TPP period in effect at the time of the disconnect.

<u>Year in which Service Is Discontinued</u>	<u>Liability Rate</u>
1	20%
2	15%
3	10%
4 or more	5%

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.7 Rate Regulations (Cont'd)(C) Conversion

When an existing customer purchases Optical Networking, the customer may upgrade their existing special access services to Optical Networking. The upgrade may require physical network changes, as well as changes to existing billing arrangements. Physical changes consist of reterminating existing services not currently utilizing the Optical network.

Termination liability charges will not apply to the customer's existing services provided the Optical Networking TPP term commitment agreement is equal to or longer in length than the time remaining for the existing arrangement.

(D) Rate Changes

The TPP rates are exempt from Telephone Company initiated increases for the length of the plan, however, decreases will be passed on to the customer. Rate changes may occur as a result of FCC action.

(E) Termination Liability

In the event the customer discontinues one or all of the service elements (Connect, Banded Optical Transport, Additional Node) prior to the end of the initial termination liability period, termination liability charges, as set forth below, will apply based on the remainder of the TPP period in effect at the time of the disconnect.

<u>Year in which Service Is Discontinued</u>	<u>Liability Rate</u>
1	40%
2	35%
3	30%
4 or more	25%

(F) Termination Without Liability

For Banded Optical Transport, termination charges will not apply when the customer disconnects a DS0 or DS1 on a circuit by circuit basis provided the required accumulative bandwidth is met as shown in 20.7(E).

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.7 Rate Regulations (Cont'd)

(G) Upgrade to Higher Bandwidth

The Customer who has grown incrementally, may elect to upgrade service to a higher bandwidth during an TPP period to gain economic efficiencies. Termination charges will not apply as long as the upgraded service remains connected at the same points of termination unless the network is being redesigned to gain network efficiency. Nonrecurring charges associated with the new bandwidth upgrade shall apply.

20.8 Off-Net Wire Center

Off-Net wire center is a wire center not a designated Optical Networking wire center office. The customer may order a DS0, DS1, DS3 or E1 to the Off-Net wire center. Mileage charges will be determined based on airline miles to the nearest on-net wire center at the transport rates shown in Section 7.

Circuits connected to the Off-Net wire center will be billed existing tariffed rates as shown in Section 7.

20.9 Shared Use

Shared Use is the provisioning of Switched Access over Optical Networking. Rating as Optical Networking will continue until such time as a portion of the available Optical Networking capacity is used to provide Switched Access service.

For shared use, a special access DS3 interface must be ordered between the IC customer and the IC customer wire center. When switched trunks are ordered, a DS1 switched interface must be ordered for the switched trunks. A DS3 or DS1 interface ordered as Switched Access will be used exclusively for Switched Access.

As individual channels are activated for Switched Access, monthly charges will be adjusted between Switched Access and Optical Networking Access based on the number of channels used for Switched Access and the remaining Optical Networking Access facility.

The total Shared Use for Switched Access charge is equal to the number of channels used for Switched Access divided by 24 for DS1 or 672 for DS3 times the Monthly Switched Access Charges. The monthly Switched Access rates used will be the current rates for Switched Access Entrance Facility, Direct-Trunked Transport Facility, Direct-Trunked Transport Termination and Multiplexer.

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.9 Shared Use (Cont'd)

Following is an example of how Shared Use will apply to Optical Networking.

Single Route OC3 Connect - Electrical	\$4,100.00
Point-to-Point Transport - OC1 (10 Miles X \$160.00)	1,600.00
DS3 CO Connect	130.00
DS3 Payload	<u>160.00</u>
Total SONET Monthly Recurring Charge	\$5,990.00

Customer wants to utilize 850 channels for Switched Access DS3 with 10 miles of transport.

$850/672 = 1.2$  DS3s

DS3 Direct-Trunked Transport Facility	= \$67.44 X 10	= \$674.40
DS3 Direct-Trunked Transport Termination		= 190.46
DS3 Entrance Facility		= <u>1,263.67</u>
Total Monthly Rate per DS3		\$2,1278.53

$\$2,128.53 \times 1.2$  DS3s = \$2,554.23 Switched Access Shared Use Monthly Rate

SONET Monthly Recurring Charge	\$5,990.00
Switched Access Shared Use	<u>-2,554.23</u>
SONET Monthly Charge	\$3,435.77

SONET Monthly Charge	\$3,435.77
Switched Access Shared Use	<u>+2,554.23</u>
Total Monthly Billing	\$5,990.00

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.10 Optical Networking LANs \*

<u>Jurisdiction</u>	<u>CLLI</u>	<u>Wire Center</u>	<u>LAN Name</u>	<u>Contiguous LAN</u>
MO	WNTLMOXA	Wentzville	Wentzville	
MO	OFLNMOXA	O'Fallon	Wentzville	
MO	STPRMOXA	St. Peters	Wentzville	

\* Reference 20(C) for availability of service.

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges(A) Express Connect - First System – OC48

(USOC)	<u>One Year Monthly Rate (N1EC1)</u>	<u>Three Year Monthly Rate (N1EC3)</u>	<u>Five Year Monthly Rate (N1EC5)</u>
<u>Jurisdiction</u>			
Missouri	\$27,625.00	\$27,125.00	\$26,750.00
	<u>Seven Year Monthly Rate (N1EC7)</u>		
Missouri	\$26,350.00		

Express Connect - Additional System – OC48

(USOC)	<u>One Year Monthly Rate (NAUC1)</u>	<u>Three Year Monthly Rate (NAUC3)</u>	<u>Five Year Monthly Rate (NAUC5)</u>
<u>Jurisdiction</u>			
Missouri	\$9,135.00	\$9,000.00	\$9,000.00
	<u>Seven Year Monthly Rate (NAUC7)</u>		
Missouri	\$9,000.00		

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Flex Express Connect - First System – OC48

(USOC)	<u>One Year Monthly Rate</u> (N4FC1)	<u>Three Year Monthly Rate</u> (N4FC3)	<u>Five Year Monthly Rate</u> (N4FC5)
<u>Jurisdiction</u>			
Missouri	\$33,425.00	\$33,100.00	\$32,700.00
	<u>Seven Year Monthly Rate</u> (NF4C7)		
Missouri	\$32,700.00		

Flex Express Connect - Additional System – OC48

(USOC)	<u>One Year Monthly Rate</u> (NAZC1)	<u>Three Year Monthly Rate</u> (NAZC3)	<u>Five Year Monthly Rate</u> (NAZC5)
<u>Jurisdiction</u>			
Missouri	\$11,316.00	\$11,316.00	\$11,316.00
	<u>Seven Year Monthly Rate</u> (NAZC7)		
Missouri	\$11,316.00		

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Express and Flex Express - Additional CDL Node – OC48

(USOC)	<u>Monthly Rate</u> (NZLCM)	<u>One Year Monthly Rate</u> (NZLC1)	<u>Three Year Monthly Rate</u> (NZLC3)
<u>Jurisdiction</u>			
Missouri	\$12,945.00	\$11,945.00	\$11,945.00
	<u>Five Year Monthly Rate</u> (NZLC5)	<u>Seven Year Monthly Rate</u> (NZLC7)	
Missouri	\$11,945.00	\$11,945.00	

Express and Flex Express Connect - Additional CO Node – OC48

(USOC)	<u>Monthly Rate</u> (NZCCM)	<u>One Year Monthly Rate</u> (NZCC1)	<u>Three Year Monthly Rate</u> (NZCC3)
<u>Jurisdiction</u>			
Missouri	\$9,130.00	\$8,130.00	\$8,130.00
	<u>Five Year Monthly Rate</u> (NZCC5)	<u>Seven Year Monthly Rate</u> (NZCC7)	
Missouri	\$8,130.00	\$8,130.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Express and Flex Express – First System Transport - OC-48

	Monthly Rate
	<u>Per Mile</u>
(USOC)	(1YS6S)

Jurisdiction

Missouri	\$500.00
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Flex Express – Additional System Transport – OC48

	Monthly Rate
	<u>Per Mile</u>
(USOC)	(1YS8S)

Jurisdiction

Missouri	\$100.00
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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CO Node - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)			(CN3C1)	
<u>Jurisdiction</u>				
Missouri	\$1,500.00	\$1,000.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(CN3C3)	(CN3C5)	(CN3C7)	
<u>Jurisdiction</u>				
Missouri	\$900.00	\$850.00	\$825.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CO Node - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(CN3C1)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$2,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(CN3C3)	(CN3C5)	(CN3C7)	
<u>Jurisdiction</u>				
Missouri	\$2,200.00	\$2,100.00	\$2,000.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CO Node - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(CN3C1)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$4,500.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(CN3C3)	(CN3C5)	(CN3C7)	
<u>Jurisdiction</u>				
Missouri	\$4,300.00	\$4,100.00	\$3,900.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CO Node – OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		
<u>Jurisdiction</u>		
Missouri	\$6,000.00	\$11,250.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)			
<u>Jurisdiction</u>			
Missouri	\$10,750.00	\$10,250.00	\$9,750.00

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAS)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$1,090.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABS)	(NYACS)	(NYADS)	
<u>Jurisdiction</u>				
Missouri	\$1,100.00	\$1,050.00	\$1,000.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route without Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAJ)		
<u>Jurisdiction</u>				
Missouri	\$1,500.00	\$700.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABJ)	(NYACJ)	(NYADJ)	
<u>Jurisdiction</u>				
Missouri	\$650.00	\$620.00	\$600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics - OC3c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAS)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$3,500.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABS)	(NYACS)	(NYADS)	
<u>Jurisdiction</u>				
Missouri	\$3,200.00	\$3,050.00	\$2,900.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAS)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$2,750.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABS)	(NYACS)	(NYADS)	
<u>Jurisdiction</u>				
Missouri	\$2,450.00	\$2,300.00	\$2,150.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route without Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAJ)		
<u>Jurisdiction</u>				
Missouri	\$1,500.00	\$700.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABJ)	(NYACJ)	(NYADJ)	
<u>Jurisdiction</u>				
Missouri	\$650.00	\$620.00	\$600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics - OC12c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)			(NYAAS)	
<u>Jurisdiction</u>				
Missouri	\$6,000.00		\$6,900.00	
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
Special USOC)	(NYABS)	(NYACS)	(NYADS)	
<u>Jurisdiction</u>				
Missouri	\$6,480.00	\$6,270.00	\$6,050.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAS)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$4,650.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABS)	(NYACS)	(NYADS)	
<u>Jurisdiction</u>				
Missouri	\$4,230.00	\$4,020.00	\$3,800.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route without Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAJ)		
<u>Jurisdiction</u>				
Missouri	\$1,500.00	\$700.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABJ)	(NYACJ)	(NYADJ)	
<u>Jurisdiction</u>				
Missouri	\$650.00	\$620.00	\$600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics – OC48c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
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(Special USOC)

Jurisdiction

Missouri	\$6,000.00	\$12,500.00
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	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
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(Special USOC)

Jurisdiction

Missouri	\$12,250.00	\$12,000.00	\$11,750.00
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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Telephone Company Electronics – OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		(NYAAS)
<u>Jurisdiction</u>		
Missouri	\$12,000.00	\$11,625.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)	(NYABS)	(NYACS)	(NYADS)
<u>Jurisdiction</u>			
Missouri	\$11,200.00	\$11,000.00	\$10,900.00

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route without Telephone Company Electronics - OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAJ)		
<u>Jurisdiction</u>				
Missouri	\$1,500.00	\$700.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABJ)	(NYACJ)	(NYADJ)	
<u>Jurisdiction</u>				
Missouri	\$650.00	\$620.00	\$600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$1,790.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$1,700.00	\$1,650.00	\$1,600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route without Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAG)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$1,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABG)	(NYACG)	(NYADG)	
<u>Jurisdiction</u>				
Missouri	\$1,250.00	\$1,220.00	\$1,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC3c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$4,100.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$3,800.00	\$3,650.00	\$3,500.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$3,350.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$3,050.00	\$2,900.00	\$2,750.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route without Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAG)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$1,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABG)	(NYACG)	(NYADG)	
<u>Jurisdiction</u>				
Missouri	\$1,250.00	\$1,220.00	\$1,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC12c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$7,500.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$7,080.00	\$6,870.00	\$6,650.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$5,250.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$4,830.00	\$4,620.00	\$4,400.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route without Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAG)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$1,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABG)	(NYACG)	(NYADG)	
<u>Jurisdiction</u>				
Missouri	\$1,250.00	\$1,220.00	\$1,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route with Telephone Company Electronics - OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAD)		
<u>Jurisdiction</u>				
Missouri	\$12,000.00	\$13,125.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABD)	(NYACD)	(NYADD)	
<u>Jurisdiction</u>				
Missouri	\$12,400.00	\$11,550.00	\$11,000.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route with Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAR)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$2,790.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABR)	(NYACR)	(NYADR)	
<u>Jurisdiction</u>				
Missouri	\$2,700.00	\$2,650.00	\$2,600.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route without Telephone Company Electronics - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAH)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$2,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABH)	(NYACH)	(NYADH)	
<u>Jurisdiction</u>				
Missouri	\$2,250.00	\$2,220.00	\$2,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route with Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAR)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$4,350.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABR)	(NYACR)	(NYADR)	
<u>Jurisdiction</u>				
Missouri	\$4,050.00	\$3,900.00	\$3,750.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route without Telephone Company Electronics - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAH)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$2,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABH)	(NYADH)	(NYADH)	
<u>Jurisdiction</u>				
Missouri	\$2,250.00	\$2,220.00	\$2,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route with Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAR)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$6,250.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABR)	(NYACR)	(NYADR)	
<u>Jurisdiction</u>				
Missouri	\$5,830.00	\$5,620.00	\$5,400.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route without Telephone Company Electronics - OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAAH)		
<u>Jurisdiction</u>				
Missouri	\$3,000.00	\$2,300.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYABH)	(NYACH)	(NYADH)	
<u>Jurisdiction</u>				
Missouri	\$2,250.00	\$2,220.00	\$2,200.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Ring Route with Telephone Company Electronics – OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		(NYAAR)
<u>Jurisdiction</u>		
Missouri	\$12,000.00	\$15,625.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)	(NYABR)	(NYACR)	(NYADR)
<u>Jurisdiction</u>			
Missouri	\$14,900.00	\$14,050.00	\$13,500.00

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route - 1.25 Gbps

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYASA)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$3,570.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYASB)	(NYASC)	(NYASD)	
<u>Jurisdiction</u>				
Missouri	\$3,450.00	\$3,330.00	\$3,210.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route - 1.25 Gbps

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)			(NYAVA)	
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$3,835.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYAVB)	(NYAVC)	(NYAVD)	
<u>Jurisdiction</u>				
Missouri	\$3,730.00	\$3,625.00	\$3,525.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route - 2.5 Gbps

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYASE)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$4,230.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYASF)	(NYASG)	(NYASH)	
<u>Jurisdiction</u>				
Missouri	\$4,110.00	\$3,990.00	\$3,870.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Diverse Route - 2.5 Gbps

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(NYAVE)		
<u>Jurisdiction</u>				
Missouri	\$6,000.00	\$4,595.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(NYAVF)	(NYAVG)	(NYAVH)	
<u>Jurisdiction</u>				
Missouri	\$4,485.00	\$4,375.00	\$4,265.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect - OC3

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(RSAC1)		
<u>Jurisdiction</u>				
Missouri	\$1,000.00	\$715.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)	
<u>Jurisdiction</u>				
Missouri	\$690.00	\$675.00	\$650.00	

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect - OC3c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(RSAC1)		
<u>Jurisdiction</u>				
Missouri	\$1,000.00	\$715.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)	
<u>Jurisdiction</u>				
Missouri	\$690.00	\$675.00	\$650.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect - OC12

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(RSAC1)		
<u>Jurisdiction</u>				
Missouri	\$2,500.00	\$1,640.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)	
<u>Jurisdiction</u>				
Missouri	\$1,590.00	\$1,550.00	\$1,500.00	

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect - OC12c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>		
(Special USOC)		(RSAC1)		
<u>Jurisdiction</u>				
Missouri	\$2,500.00	\$1,640.00		
	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>	
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)	
<u>Jurisdiction</u>				
Missouri	\$1,590.00	\$1,550.00	\$1,500.00	

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect – OC48

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		(RSAC1)
<u>Jurisdiction</u>		
Missouri	\$2,500.00	\$3,450.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)
<u>Jurisdiction</u>			
Missouri	\$3,350.00	\$3,275.00	\$3,150.00

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect – OC48c

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		(RSAC1)
<u>Jurisdiction</u>		
Missouri	\$2,500.00	\$3,450.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)
<u>Jurisdiction</u>			
Missouri	\$3,350.00	\$3,275.00	\$3,150.00

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - CDL Link - Single Route with Optical Cross Connect – OC192

	<u>Nonrecurring Charge</u>	<u>One Year Monthly Rate</u>
(Special USOC)		(RSAC1)
<u>Jurisdiction</u>		
Missouri	\$2,500.00	\$7,250.00

	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Seven Year Monthly Rate</u>
(Special USOC)	(RSAC3)	(RSAC5)	(RSAC7)
<u>Jurisdiction</u>			
Missouri	\$7,025.00	\$6,850.00	\$6,625.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider - DS1

	Monthly <u>Rate</u>
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$75.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider - DS3

	Monthly <u>Rate</u>
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$250.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider - STS1

	Monthly Rate
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$250.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider - OC3c

	Monthly <u>Rate</u>
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$750.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider - OC12c

	Monthly Rate
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$2,250.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Rider – OC48c

	Monthly Rate
(Special USOC)	(S9R)
<u>Jurisdiction</u>	
Missouri	\$4,500.00

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - Shared Transport - DS1

	<u>Per Mile Monthly Rate</u>
(Special USOC) (TSRVS)	
<u>Jurisdiction</u>	
Missouri	\$12.00

Custom Connect - Shared Transport - DS3/STS1

	<u>Per Mile Monthly Rate</u>
(Special USOC) (TSRVS)	
<u>Jurisdiction</u>	
Missouri	\$105.00

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - Shared Transport - OC3/OC3c

Per Mile  
Monthly Rate

(Special USOC) (TSRVS)

Jurisdiction

Missouri                    \$225.00

Custom Connect - Shared Transport - OC12/OC12c

Per Mile  
Monthly Rate

(Special USOC) (TSRVS)

Jurisdiction

Missouri                    \$450.00

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**ACCESS SERVICE**

20. Optical Networking (Cont'd)

20.11 Rates and Charges (Cont'd)

(A) Custom Connect - Shared Transport – OC48/OC48c

	<u>Per Mile Monthly Rate</u>
(Special USOC) (TSRVS)	
<u>Jurisdiction</u>	
Missouri	\$1,125.00

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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - Dedicated Transport - OC3/OC3cPer Mile  
Monthly Rate

(Special USOC) (TSRDS)

Jurisdiction

Missouri \$170.00

Custom Connect - Dedicated Transport - OC12/OC12cPer Mile  
Monthly Rate

(Special USOC) (TSRDS)

Jurisdiction

Missouri \$240.00

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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - Dedicated Transport - OC48/OC48c

	<u>Per Mile Monthly Rate</u>
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(Special USOC)	(TSRDS)
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Jurisdiction

Missouri	\$380.00
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Custom Connect – Dedicated Transport – OC192

	<u>Per Mile Monthly Rate</u>
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(Special USOC)	(TSRDS)
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Jurisdiction

Missouri	\$550.00
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**ACCESS SERVICE**20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(A) Custom Connect - Dedicated Transport - 1.25 Gbps

	Per Mile Monthly Rate
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(Special USOC)	(TSRAS)
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Jurisdiction

Missouri	\$295.00
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Custom Connect - Dedicated Transport - 2.5 Gbps

	Per Mile Monthly Rate
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(Special USOC)	(TSRBS)
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Jurisdiction

Missouri	\$370.00
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## ACCESS SERVICE

20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(B) Transport - Banded Optical – OC48 (Wholly Provided)Jurisdiction

Missouri

	One Year		Three Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
0 miles	(1H4JZ)	\$7,365.00	(1H4KZ)	\$7,200.00
1 - 10 miles	(1H4JA)	10,600.00	(1H4KA)	10,200.00
11 - 20 miles	(1H4JB)	17,070.00	(1H4KB)	16,800.00
21 + miles	(1H4JC)	23,545.00	(1H4KC)	23,200.00

	Five Year		Seven Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
0 miles	(1H4LZ)	\$7,100.00	(1H4MZ)	\$7,000.00
1 - 10 miles	(1H4LA)	10,000.00	(1H4MA)	9,800.00
11 - 20 miles	(1H4LB)	16,500.00	(1H4MB)	16,200.00
21 + miles	(1H4LC)	23,000.00	(1H4MC)	22,800.00

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(B) Transport - Banded Optical – OC48c (Wholly Provided)Jurisdiction

Missouri

	One Year		Three Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
0 miles	(1H4JZ)	\$10,750.00	(1H4KZ)	\$10,500.00
1 - 10 miles	(1H4JA)	20,350.00	(1H4KA)	20,100.00
11 - 20 miles	(1H4JB)	29,370.00	(1H4KB)	29,100.00
21 + miles	(1H4JC)	38,390.00	(1H4KC)	38,100.00

	Five Year		Seven Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
0 miles	(1H4LZ)	\$10,250.00	(1H4MZ)	\$10,000.00
1 - 10 miles	(1H4LA)	19,900.00	(1H4MA)	19,600.00
11 - 20 miles	(1H4LB)	28,900.00	(1H4MB)	28,600.00
21 + miles	(1H4LC)	37,900.00	(1H4MC)	37,600.00

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20. Optical Networking (Cont'd)20.11 Rates and Charges (Cont'd)(C) Transport - Banded Optical – OC48 (Jointly Provided)Jurisdiction

Missouri

	One Year		Three Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
1 - 10 miles	(1H4GA)	\$3,235.00	(1H4AA)	\$3,150.00
11 - 20 miles	(1H4GB)	9,700.00	(1H4AB)	9,500.00
21 + miles	(1H4GC)	16,175.00	(1H4AC)	15,700.00

  

	Five Year		Seven Year	
	(USOC)	<u>Monthly Rate</u>	(USOC)	<u>Monthly Rate</u>
1 - 10 miles	(1H4BA)	\$3,050.00	(1H4CA)	\$2,975.00
11 - 20 miles	(1H4BB)	9,300.00	(1H4CB)	9,100.00
21 + miles	(1H4BC)	15,350.00	(1H4CC)	15,100.00

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