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ACCESS SERVICES

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## 1. APPLICATION OF TARIFF

## 1.1 Application

## 1.1.1 General

This tariff applies to the furnishing of Access Services by Teleport Communications America, LLC within the State of Missouri. Dedicated Access Services are furnished for the use of business customers in establishing a point-to-point communications path within the State of Missouri. Switched Access Services are furnished for the capability of originating and terminating intrastate Long Distance calls.

This tariff applies only for the use of the Company's services for communications within the State of Missouri.

The provision of Access Services is subject to existing regulations specified in the tariffs of Teleport Communications America, LLC, and may be revised, added to, or supplemented by superseding issues.

All offered service contained herein is subject to available facilities and authorization from the local municipalities in the jurisdiction where the service is offered.

When services and facilities provided by the Company are used to obtain access to the regulated or unregulated services provided by another company, or are used by another company as a part of the regulated or unregulated services offered by that company, the regulations of the Company apply only to the use of the Company's services and facilities.

Services under this Tariff may be offered and billed under the name of Teleport Communications America, LLC serving the customer's location, or under the name of a subsidiary or affiliate, including but not limited to AT&T Corp., AT&T Communications, and any AT&T affiliates authorized to provide you with AT&T services prior to November 17, 2005. Services may be offered singly or in bundles with services offered by Teleport Communications America, LLC or their affiliates.

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## 2. GENERAL REGULATIONS

## 2.3 Obligations of the Customer (continued)

## 2.3.11 Determination of Charges for Mixed Intrastate and Interstate Usage (continued)

## Identification and Rating of VoIP-PSTN Traffic (continued)

## A. Scope (continued)

1. This section governs the identification of originating and terminating intrastate toll VoIP-PSTN traffic and facilities to which interstate switched access rates apply (unless the parties have agreed otherwise) in accordance with the transitional Intercarrier Compensation framework for VoIP-PSTN traffic adopted by the Federal Communications Commission in its Report and Order, FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method that will be used to identify the percentage of the customer's intrastate access traffic, that will be treated as intrastate toll VoIP-PSTN traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic"),
2. This section applies to originating and terminating intrastate switched access minutes of use ("MOU") and facility rate elements of all Access customers.
3. The customer shall not modify its reported PIU factor to account for the VoIP-PSTN Traffic for MOU and facility rate elements.

## B. Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic terminating from the customer to the Company and facility rate elements identified in accordance with this tariff section will be billed at rates as specified in the Price List and equal to the Company's applicable tariffed terminating interstate switched access rates, unless the corresponding intrastate rate is lower. If the intrastate rate is lower, then that rate will be used for billing. Hereafter, these billed rates will be referred to in this tariff as relevant "VoIP Rates." Relevant VoIP-PSTN Traffic originating from the Company or another provider to the customer will be rated using Intrastate rates and rate structure.

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2. GENERAL REGULATIONS

2.3 Obligations of the Customer (continued)

2.3.11 Determination of Charges for Mixed Intrastate and Interstate Usage (continued)

Identification and Rating of VoIP-PSTN Traffic (continued)

C. Calculation and Application of Percent-VoIP-Usage Factors

The Company will determine the number of Relevant VoIP-PSTN Traffic terminating MOU and facility rate elements to which VoIP rates will be applied under subsection B above, by applying the Percent VoIP Usage ("PVU") factor to the intrastate access terminating MOU exchanged and facilities between the Company and the customer. The PVU factors will be derived and applied as follows:

1. The customer will calculate and furnish to the Company a factor (the "PVUC") on an ACNA basis which would aggregate traffic from Carrier Identification Code(s) ("CIC") or Operating Company Numbers ("OCNs") associated with the ACNA. This PVUC represents the percentage (whole number) of the total terminating intrastate access MOU that the customer exchanges with the Company end users in the State that is sent to the Company that originated in IP format at the end user. This PVUC shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g., as reported on FCC Form 477), traffic studies, actual call detail, or other relevant and verifiable information satisfactory to the Company.
2. The Company will calculate and periodically update a factor (the "PVUT") representing the percentage (whole number) of the total intrastate access MOU that the Company exchanges with the customer end users in the State, that is received from the Customer and terminated in IP format at the end user. This PVUT shall be based on information such as the number of the customer's retail VoIP subscriptions in the state (e.g., as reported on FCC Form 477), traffic studies, actual call detail, or other relevant and verifiable information.

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2. GENERAL REGULATIONS

2.3 Obligations of the Customer (continued)

2.3.11 Determination of Charges for Mixed Intrastate and Interstate Usage (continued)

Identification and Rating of VoIP-PSTN Traffic (continued)

C. Calculation and Application of Percent-VoIP-Usage Factors (continued)

3. The Company will develop a Customer Percent VoIP Usage ("PVU") factors combining the Customer's PVUC factor with the Company's PVUT factor.

a. The PVU calculation below is applied when the Company does not bill based on actual call detail records for the intrastate Company's IP traffic at VoIP rates.

PVU = PVUC + [PVUT x (1-PVUC)] is applied to the Company's end user's total intrastate MOU and facility rate elements

Example: The customer reported that their PVUC as 40%. The Company's PVUT is 10%. This results in the following:

$$PVU = 40\% \text{ plus } (10\% \text{ times } (1-40\%)) = 46\%$$

This means that 46% of the terminating Intrastate MOU exchanged between the customer and the Company's end users will be rated at VoIP rates.

## ACCESS SERVICES

## 2. GENERAL REGULATIONS

## 2.3 Obligations of the Customer (continued)

## 2.3.11 Determination of Charges for Mixed Intrastate and Interstate Usage (continued)

Identification and Rating of VoIP-PSTN Traffic (continued)

## C. Calculation and Application of Percent-VoIP-Usage Factors (continued)

## 3. (continued)

- b. The PVU calculation below is applied when the Company bills are based on the actual call detail records for the intrastate Company's IP traffic at VoIP rates.

The formula for usage will be as follows:

$PVU = PVUC \times (1 - PVUT)$  applied to the Company's TDM end user's total terminating intrastate MOU.

$PVU = PVUC + [PVUT \times (1 - PVUC)]$  is applied to the facility rate elements

Example: The Company has identified that there was 10,500 Intrastate MOU that were identified exchanged between the Customer and the Company's IP end users. The Customer reported that their PVUC as 40%. The Company's PVUT is 10%. This results in the following:

$$PVU = 40\% \text{ times } (1 - 10\%) = 36\%$$

This means that 36% of the terminating Intrastate MOU exchanged between the Customer and the Company's TDM end users will be rated at VoIP rates and the intrastate 10,500 MOU will also be rated at Interstate rates.

For the facility rate elements the formula that is applied to the intrastate dedicated facilities is as follows:

$$PVU = 40\% \text{ plus } (10\% \text{ times } (1 - 40\%)) = 46\%$$

Therefore 46% of the Intrastate facilities will be rated at VoIP rates.

4. If the customer does not furnish the Company with a PVUC pursuant to the preceding paragraph C.1, the Company will utilize a customer PVUC of 0%.

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## 2. GENERAL REGULATIONS

## 2.4 Payment Arrangements and Credit Allowances (continued)

## 2.4.2 Payment of Rates, Charges and Deposits (continued)

## D. Disputed Bills

4. Sufficient written documentation consists of the following information, where such information is relevant to the dispute:

## a. Dedicated Access

- 1) A clear explanation of the basis of the dispute, including what the Customer believes is incorrect (e.g., nonrecurring charge; mileage; circuit identification) and the reason why the Customer believes the bill is incorrect (e.g., monthly rate billed not same as in tariff; facility not ordered; service not received).
- 2) The account number under which the bill was rendered.
- 3) The date of the bill.
- 4) The invoice number.
- 5) The circuit number, line number, trunk group number, Two-Six Code (TSC), end office or tandem identification, or other appropriate facility identification.
- 6) The exact dollar amount in dispute.
- 7) The universal service order code(s) (USOCs) associated with the service.
- 8) The Purchase Order Number(s) and dates involved for disputes involving order activity.
- 9) Details sufficient to identify the specific amount(s) and item(s) in dispute.
- 10) The name of the person responsible for the Customer's dispute.
- 11) Additional data as the Company reasonably requests from the Customer to resolve the dispute. The request for such additional information shall not affect the Customer's dispute date as set forth preceding.

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## 3. DEDICATED ACCESS SERVICES #

# Effective July 18, 2008, all services residing in this section will no longer be available under this tariff. Customers may maintain their existing Service arrangements until their current contract expires. At the end of the Customer's current contract term, Customers may continue to maintain their existing Service arrangements on a month-to-month basis until terminated by either party. After July 18, 2008, no new term plan renewals will be permitted, and no moves, adds or changes (including reconfigurations) to an existing Service arrangement will be permitted for Customers whose Service arrangements are on a month-to-month basis.

## 3.1 Dedicated Access Services

## 3.1.1 Description

Dedicated Access Services consist of the services offered pursuant to this section, either individually or in combination. Each service is offered independently of the others. Service is offered via the Company's facilities for the transmission of one-way and two-way communications, unless otherwise noted.

Services Offered

The following dedicated access services are offered in this tariff:

DS3 Service (44.7 Mbps)  
DS1 Service (1.5 Mbps)  
DS0 Service (up to 64 kbps)

Other services may be provided by the Company on an Individual Case Basis (ICB)\*.

\* Individual Case Basis (ICB) rates will be structured to recover the company's cost of providing the services and will be made available to customers in a non-discriminatory manner. Terms of specific ICB contracts will be made available to the Missouri Public Service Commission upon request on a proprietary basis.



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3. DEDICATED ACCESS SERVICES

3.1 Dedicated Access Services (continued)

3.1.2 Type I and Type II Services

DS3 Service and DS1 Service may be provided as either Type I or Type II Services, depending upon the availability of facilities. Type I Service rates apply when both endpoints of the channel are served by the Company's network. Type II Service rates apply when one endpoint of the transmission channel is served by another local exchange carrier's network (Type II Services are provided via a combination of the Company's facilities and another local exchange carrier facilities).

DS3 and DS1 channels where both endpoints are served by another local exchange carrier's network will be provided at the sole discretion of the Company, on an Individual Case Basis\* (ICB), applied in a non-discriminatory manner.

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## 3. DEDICATED ACCESS SERVICES

## 3.1 Dedicated Access Services (continued)

## 3.1.3 DS3 Service (44.736 Mbps)

DS3 Service is composed of digital channels provided at 44.736 Mbps for the transmission of one-way and two-way communications. Interconnections to such channels and equipment interfacing to such channels shall meet the following technical characteristics:

Line Rate: 44.736 Mbps +/- 20 ppm  
 Line Code: Bipolar with three-zero substitution  
 Test Load: 75 ohms resistive +/- 5 percent

Power Levels: For an all-ones transmitted pattern, the power in a 2 KHz band about 22.368 KHz shall be -1.8 to +5.7 dBm and the power in a 2 KHz band about 44.736 MHz shall be at least 20 dB below that in a 2 KHz band about 22.368 KHz.<sup>1</sup>

Digital channels at 44.736 Mbps will be provided in one of the following configurations, as specified by the customer:

Clear Channel DS3: A DS3 signal that is transmitted intact and transparently as provided at the customer interface. No performance monitoring is performed since all 44.736 Mbps are considered customer data or voice.

M13 Framed DS3: A DS3 that is channelized into 28 DS1 (1.544 Mbps) signals and include a predefined standard multiplexing scheme as defined in ANSI T1.107a. The M13 DS3 contains parity bits which can be monitored to offer an approximate measure of performance. 43.232 Mbps is customer data (or voice), the remainder being used for framing, synchronization, parity, etc.

C-bit Parity Framed DS3: A DS3 that can be used for subrated or non-subrated DS3 signals. This allows DS3 signal monitoring for end-to-end performance measurement on an in-service basis, transmitted on the maintenance data communications channel. The C-bit parity format is defined in ANSI T1.107a. 43.232 Mbps is customer data (or voice), the remainder being used for framing, synchronization, parity, etc.

<sup>1</sup> The power levels specified by CCIT Recommendation G.703 are identical except that the power is to be measured in 3 KHz bands.

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## 3. DEDICATED ACCESS SERVICES

## 3.1 Dedicated Access Services (continued)

## 3.1.4 DS1 Service

- A) DS1 Service is composed of digital channels provided at 1.544 Mbps for the transmission of one-way and two-way communications. Interconnections to such channels and equipment interfacing to such channels shall meet the following technical characteristics:

Line Rate: 1.544 Mbps + 130 ppm

Line Code: AMI: bipolar with at least 12.5% average ones density and no more than 15 consecutive zeros;

-- or --  
B8ZS: no minimum density of ones and no consecutive zeros limit.

Test Load: 100 ohms resistance.

Pulse Shape: The pulse amplitude shall be between 2.4 and 3.6 volts.

Power Levels: For an all-ones transmitted pattern, the power in a 2 KHz band about 772 KHz shall be 12.4-18.0 dBm and the power in a 2 KHz band about 1544 KHz shall be at least 29 dB below that in a 2 KHz band about 771 KHz.

Pulse

Imbalance: There shall be less than 0.5 dB difference between the total power of the positive pulses and the negative pulses.

## NOTES:

1. The CCITT specification is + 50 ppm.
2. Recommended for new equipment: The power in a 2 KHz band about 772 KHz shall be 12.6-17.9 dBm. CCITT requirements: The power in a 3 KHz band about 772 KHz is 12.0-19.0 dBm.
3. CCITT requirements: The power in a 3 KHz band about 1544 KHz shall be at least 25 dB below that in a 3 KHz band about 772 KHz.

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3. DEDICATED ACCESS SERVICES

3.1 Dedicated Access Services (continued)

3.1.4 DS1 Service (continued)

- B) Digital channels at 1.544 Mbps will be provided in one of the following configurations, as specified by the customer:

Unframed DS1: A DS1 signal that does not follow standard framing formats of 192 bits for data and a 193 Rd bit for framing. An unframed DS1 cannot be synchronized to the network and is not performance monitored.

D4/SF DS1: A framed DS1 consisting of 12 frames (2316 bits) of 192 bits preceded by one framing bit (F bit). This service can be coded as AMI or B8ZS.

ESF DS1: Extends superframe structure from 12 to 24 frames (4632 bits) and redefines the 8 kbps pattern into 2 kbps for mainframe and robbed-bit signaling synchronization, 2 kbps for CRC-6 and 4 kbps for terminal-to-terminal data link. This service can be coded as AMI or B8ZS.

- C) Fanout DS1 Service

Fanout DS1 Service allows a customer to aggregate up to 28 DS1 channels that terminate in the same location into a single DS3 Local Distribution Channel.

3.1.5 DS0 Service

DS0 Services are Digital Channels furnished by the Company at transmission speeds of 2.4 kbps, 4.8 kbps, 9.6 kbps, 19.2 kbps, 56 kbps, 64 kbps, or in multiples of 56 kbps or 64 kbps up to 1.544 Mbps. Such channels will be configured by the Company to transmit digital data at specified data rates or analog signals converted to digital signals, as described below. Interconnections to such channels and equipment interfacing to such channels shall meet the technical characteristics described below in connection with each service configuration. The NCI Codes referenced below are defined in Bell Communications Research (Bellcore) publication TR-NPL-000335.

Each DS0 channel will be provided in one of the following configurations, as specified by the customer.

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## 3. DEDICATED ACCESS SERVICES

## 3.1 Dedicated Access Services (continued)

## 3.1.5 DS0 Service (continued)

## Effective 2-Wire Service

Provides a digital transmission channel capable of normally carrying, among other information, the digitized representation of human speech. At the Company's point of interconnection with the User, the service will have the technical characteristics of a standard 2-wire analog telephone circuit. Specific configurations are as follows:

## Private Line Manual Ringdown

2 wire, 600 ohm or 900 ohm, Loop Start with industry standard demarcation (NCI Code: 02AC2, 02AC3). Provides a circuit connecting two specific locations, where signaling (i.e., ringing current) is provided externally by the customer. A transmission can be originated from either end. Ringing at 20 Hz will be at industry-standard voltage and current.

## Private Line Automatic Ringdown (PLAR)

2 wire, 600 ohm, Loop Start with industry standard demarcation (NCI Code: 02LR2). Provides a circuit connecting two specific locations, where signaling (ringing) is automatically generated by the Company upon off hook (transmission origination). Either end can originate the transmission. Ringing at 20 Hz will be at industry-standard voltage and current.

## OPX/Tie Line/FX/Tie Trunk Private Lines

(OPX)- 2 wire, 600 ohm or 900 ohm, Loop Start, Ground Start, or E+M, with industry standard demarcation (Pose NCI Codes: 02LS2, 02LS3, 02GS2, 02GS3, 02LO2, 02GO2, 04EA2-M, 04EA2-E, 06EB2-M, 06EB2-E). The circuit will be transparent to OPX signaling (e.g., DP or MF dialing, ringing).

## 2-Wire Transmission Only

2 wire, 600 ohm, open loop (continuously connected) with industry standard demarcation (NCI Code: 02NO2). C4 conditioned circuit connecting two locations, typically used for voice-grade data services.

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3. DEDICATED ACCESS SERVICES

3.1 Dedicated Access Services (continued)

3.1.5 DS0 Service (continued)

Effective 4-Wire Service

Provides a digital transmission channel capable of normally carrying, among other information, the digitized representation of human speech and duplex transmission of data converted to analog signals. At the Company's point of interconnection with the User, the service will have the technical characteristics of a standard 4-wire data-conditioned telephone circuit. Specific configurations are as follows:

4-wire Transmission Only

4 wire, 600 ohm, open loop (continuously connected), with industry standard demarcation. C4/D1 conditioned circuit, with separate transmit and receive wire pairs.

4-Wire Tie Line/Tie Trunk Private Lines

4-wire talk path, 600 ohm, with industry standard demarcation. Additional leads for signaling, supporting Type I, II, and III E+M or reverse E+M.

3.1.6 Digital Services

Provides a digital transmission channel capable of normally carrying synchronous digital data signals. The following service configurations are available:

Low Speed Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25. Provides a point-to-point, DDS-compatible full-duplex synchronous circuit operating at 2.4 Kbps, 4.8 Kbps, 9.6, or 19.2 Kbps, with error correction. Supports all DDS control codes. Secondary channel is supported.

56 Kbps Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25, RS422/DB25, or V.35. Provides a point-to-point, DDS-compatible full-duplex synchronous circuit operating at 56 Kbps. No error correction is provided. Supports all DDS control codes. Optional secondary channel is supported.

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3. DEDICATED ACCESS SERVICES

3.1 Dedicated Access Services (continued)

3.1.6 Digital Services (continued)

64 Kbps Data Service

A 4-wire 135 ohm handoff. Other possible handoffs are RS232/DB25, RS422/DB25, or V.35. Provides point-to-point, 64 Kbps clear channel for a full-duplex synchronous data circuit. No error correction or in-band control codes are supported.

Fractional DS1

RS422/DB25 or V.35 handoff. Provides a point-to-point channel at any speed between 56 Kbps and 1.544 Mbps for full-duplex synchronous data transmission, provided that the speed is a multiple of 56 or 64 Kbps.

3.1.7 Fanout DS0 Service

Fanout DS0 Service allows a customer to aggregate up to 24 DS0 channels that terminate in the same location into a single DS1 Local Distribution Channel.

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**3. DEDICATED ACCESS SERVICES****3.2 Rates for Dedicated Access Services****3.2.1 General**

Non-recurring and monthly recurring rates apply for each Digital Transmission Service furnished by the Company. Monthly recurring rates vary according to the time period for which the customer commits to take the service. Unless otherwise noted, three standard rate elements are used in calculating the monthly recurring rate for each service:

**Local Distribution Channel (LDC):** This rate element applies to each end-point of a digital channel provided to a customer.

**Interoffice Channel Mileage-Fixed:** This rate element applies per digital channel whenever there is mileage associated with the channel; a digital channel has mileage associated with it when the endpoints of the channel are located in geographic areas normally served out of separate incumbent local exchange carrier ("ILEC") end offices. This rate element applies per circuit endpoint.

**Interoffice Channel Mileage-Per Mile:** This rate element applies whenever there is mileage associated with the digital channel. The unit rate is multiplied by the number of miles (Interoffice Mileage) between the two ILEC end offices serving the geographic areas in which the endpoints of the channel are located. Interoffice Mileage is determined according to the V&H coordinates method set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Fractions of a mile are rounded up to the next whole mile before rates are applied.



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ACCESS SERVICES

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3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services

See the Price List for Dedicated Access rates and charges.

3.3 Non-Standard Offerings

3.3.1 Individual Case Basis (ICB) Arrangements

For special situations, rates for Dedicated Access services will be determined on an Individual Case Basis (ICB). ICB rates will be structured to recover the company's cost of providing the services and will be made available to customers in a non-discriminatory manner. Terms of specific ICB contracts will be made available to the Missouri Public Service Commission upon request on a proprietary basis.

3.3.2 Termination Liability

Upon the Customer's discontinuance of facilities prior to the expiration of the agreed upon term, the termination liability with regard to facilities will be equal to the monthly charge times the number of months remaining on the contract (discounted for present value of 6%).

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## 3. DEDICATED ACCESS SERVICES

## 3.2 Rates for Dedicated Access Services

Rates for Dedicated Access Services are determined by the region the Customer is geographically located within. Region One covers exchanges in the Southwestern Bell Telephone (SWBT) service area. Region Two covers exchanges in the GTE service area.

## A) DS3 Service

This service consists of a DS3 (43.736 Mbps) capacity digital channel available on a 24 hour per day, 7 day per week basis between two points. There is a 1-year minimum service period for each Basic DS3.

## 1) Region One, Southwestern Bell - DS3 Rates Type I &amp; Type II

Rates	1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per Channel)			
Zone 1	\$1,804	\$1,157	\$949
Zone 2	\$1,943	\$1,203	\$995
Zone 3	\$1,943	\$1,295	\$1,087
Interoffice Channel Mileage (Fixed)			
Zone 1	\$671	\$509	\$417
Zone 2	\$694	\$532	\$440
Zone 3	\$717	\$555	\$463
Interoffice Channel Mileage (Per Mile)			
Zone 1	\$93	\$65	\$42
Zone 2	\$98	\$70	\$47
Zone 3	\$102	\$74	\$51
Installation Rates:			
Per Local Distribution Channel	\$560	\$281	\$0
Each Additional Local Distribution Channel*	\$459	\$230	\$0

\* The Additional Local Distribution Channel installation (per channel rate) will apply for any additional order after the first order between the same locations at the same time.

Note: To calculate rates based upon mileage between GTE and SWB Central Offices, please see the document entitled, "Meet Point Application" listed under section 2.03 DS-3 Rate Schedules.

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## 3. DEDICATED ACCESS SERVICES

## 3.2 Rates for Dedicated Access Services (continued)

## A) DS3 Service (continued)

## 2) Region Two, GTE - DS3 Rates Type I &amp; Type II

Rates (Zones 1, 2, 3)	1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per Channel)	\$1388	\$1,243	\$1,079
Interoffice Channel Mileage (Fixed)	\$265	\$265	\$265
Interoffice Channel Mileage (Per Mile)	\$27	\$27	\$27
Installation Rates: Per Local Distribution Channel	\$925	\$925	\$925

Note: To calculate rates based upon mileage between GTE and SWB Central Offices, please see the document entitled, "Meet Point Application" listed under section 2.03 DS-3 Rate Schedules.

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**CANCELLED**  
November 30, 2013  
Missouri Public  
Service Commission  
JL-2014-0200

ISSUED BY: CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

**FILED**  
Missouri Public  
Service Commission  
JL-2013-0317

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

A) DS3 Service (continued)

3) Volume Discounts

Apply to customers formerly under TCG Kansas City, Inc.

Volume discounts are applicable to Type I service only, applied when a customer orders two more DS3 circuits between the same locations at the same time. Standard Mileage charges apply.

Number of DS3's	Local Distribution Channel: Rate Per DS3 Channel		
	1 Year Rates (Zones 1, 2, 3)	3 Year Rates (Zones 1, 2, 3)	5 Year Rates (Zones 1, 2, 3)
3	\$1660	\$1374	\$1147
	\$1804	\$1494	\$1248
	\$1804	\$1494	\$1248
6	\$1660	\$1230	\$1027
	\$1804	\$1337	\$1117
	\$1804	\$1337	\$1117
12	\$1804	\$1085	\$906
	\$1804	\$1180	\$985
	\$1804	\$1180	\$985

Number of DS3's	Interoffice Channel Mileage: Rate Per Mile\DS3 Channel		
	1 Year Rates (Zones 1, 2, 3)	3 Year Rates (Zones 1, 2, 3)	5 Year Rates (Zones 1, 2, 3)
3	\$51	\$35	\$30
	\$43	\$30	\$28
	\$51	\$33	\$30
6	\$37	\$25	\$23
	\$31	\$22	\$20
	\$37	\$24	\$21
12	\$26	\$17	\$16
	\$22	\$15	\$14
	\$26	\$17	\$15

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ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

A) DS3 Service (continued)

3) Volume Discounts\* (continued)

Apply to customers formerly under TCG St. Louis

Volume discounts are applicable to Type I service only, and will apply when a customer orders two more DS3 circuits between the same locations at the same time.

# of DS3's	Local Distribution Channel: Rate Per DS3 Channel		
	1 Year	3 Year	5 Year
2	Standard DS-3 rate schedule	Standard DS-3 rate schedule	Standard DS-3 rate schedule
3	\$1735	\$1454	\$1214
6	\$1716	\$1300	\$1086
12	\$1658	\$1148	\$958

\* 1)Volume Discounts apply to Type I service only.  
2)Standard mileage charges apply to the above rates.

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3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

B) DS1 Service

This service consists of a DS1 (1.544 Mbps) capacity digital channel available on a 24 hour per day, 7 day per week basis between two points. There is a 1-year minimum service period for DS1 Service.

- 1) Region One, Southwestern Bell - DS1 Standard Rate Schedule- Type I & Type II

Rates	1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per Channel)			
Zone 1	\$171	\$110	\$105
Zone 2	\$171	\$114	\$105
Zone 3	\$171	\$124	\$114
Interoffice Channel Mileage (Fixed)			
Zone 1	\$57	\$44	\$42
Zone 2	\$57	\$44	\$42
Zone 3	\$57	\$44	\$42
Interoffice Channel Mileage (Per Mile)			
Zone 1	\$16	\$14	\$12
Zone 2	\$16	\$14	\$12
Zone 3	\$16	\$14	\$12
Installation Rates:			
Per Local Distribution Channel	\$475	\$285	\$190
Each Additional Local Distribution Channel*	\$380	\$238	\$143

\* The Additional Local Distribution Channel installation (per channel rate) will apply for any additional order after the first order between the same locations at the same time.

- 2) Region Two, GTE - DS1 Standard Rate Schedule- Type I & Type II

Rates (Zones 1, 2, 3)	1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per Channel)	\$276	\$238	\$200
Interoffice Channel Mileage (Fixed)	\$38	\$38	\$38
Interoffice Channel Mileage (Per Mile)	\$25	\$25	\$25
Installation Rates:			
1st Local Distribution Channel	\$800	\$800	\$800
Each Additional Channel	\$125	\$125	\$125

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

B) DS1 Service (continued)

3) Volume Discounts

a) South Western Bell Region DS1 Volume Discounts Rate Schedule

Local Distribution Channel (Per End) - TYPE 1 only.

Number of DS1s	3 Year	5 Year
10-20		
Zone 1	\$99.	\$95.
Zone 2	\$103.	\$95.
Zone 3	\$112.	\$103.
21-40		
Zone 1	\$93.	\$89.
Zone 2	\$97.	\$89.
Zone 3	\$105.	\$97.
40+		
Zone 1	\$88.	\$83.
Zone 2	\$91.	\$83.
Zone 3	\$99.	\$91.

NOTES:

1. In addition to the above Local Distribution Channel charge, add the standard DS1 Fixed and Per Mile rates. Standard DS1 installation also applies per end. (See DS1 Standard Rate Schedule for fixed per mile, and installation rates).
2. Volume discounts rates are only applicable to Type I DS1 circuits. Requests for Type II volume discounts must be submitted to Field Marketing via the Non Standard Request process.
3. Volume discounts will apply when a customer orders 10 or more DS1 circuits at the same time, between the same locations on the same term.

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

C) Fanout DS1 Service

This service consists of up to 28 DS1 (1.544 Mbps) digital channels, which are aggregated at a Company Node onto a standard DS3 circuit with Interoffice Mileage and a Local Distribution Channel at the terminating end. There is a minimum 1-year service period for each Fanout DS1 Service.

1) Southwestern Bell Region Rate schedule - DS3/1 Mux (Fanout) Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr	5 Yr.
DS3 Channel between a Client Location and a ALS Node	Standard DS3 NRC Rate Schedule	Standard DS3 Rate Schedule*		
DS3/1 Mux @ ALS Node	\$187	\$671	\$486	\$440
Optional DS3/1 Mux @ Client Location	\$187	\$671	\$486	\$440
DS1 Fanout Channel	Standard DS1 NRC Rate Schedule	Standard DS1 Rate Schedule**		

Fanout circuit mileage and pricing should be determined by the customer's preferred routing scheme (i.e., based on mileage between Southwestern Bell Central Offices serving the circuit endpoints) and not on this Company's node location(s) where the circuit(s) are actually being routed. For example, a customer may designate the Southwestern Bell St. Louis Central Office as their preferred fanout location. Although this Company may choose to route this circuit through its own node, the mileage and pricing should be based on a fanout through the St. Louis Central Office.

2) GTE Region Rate schedule - DS3/1 Mux (Fanout) Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr	5 Yr.
DS3 Channel between a Client Location and a ALS Node	Standard DS3 NRC Rate Schedule*	Standard DS3 Rate Schedule*		
DS3/1 Mux @ ALS Node	\$417	\$265	\$265	\$265
Optional DS3/1 Mux @ Client Location	\$417	\$265	\$265	\$265
DS1 Fanout Channel	Standard DS1 NRC Rate Schedule*	Standard DS1 Rate Schedule**		

\* One DS3 local distribution charge

\*\* One DS1 local distribution charge applies to each DS1 fanned out from node



ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

D) High Capacity DS1 Service

This service consists of 28 DS1 (1.544Mbps) digital channels which connect two client locations each utilizing a DS3/1 mux. The connection will be rated as a standard DS3 circuit with Interoffice Mileage and Local Distribution Channels at both ends. There is a minimum 1-year service period for each High Capacity DS1 Service.

1) Southwestern Bell Region - DS3/1 Mux High Capacity Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr.	5 Yr.
Twenty Eight (28) DS1's between two Client Locations	Standard DS3 Rate Schedule*			
DS3/1 Muxes @ Both Client Locations	\$374	\$1,342	\$972	\$879

2) GTE Region - DS3/1 Mux High Capacity Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr.	5 Yr.
Twenty Eight (28) DS1's between two Client Locations	Standard DS3 Rate Schedule*			
DS3/1 Muxes @ Both Client Locations	\$833	\$530	\$530	\$530

\* Two (2) Local Distribution Channel Charges Apply

NOTE: DS0 Fanout circuit mileage and pricing should be determined by the customer's preferred routing scheme (i.e., based on mileage between SWB Central Offices serving the circuit endpoints) and not on TCH node location(s) where the circuit(s) are actually being routed. For example, a customer may designate the Southwestern Bell Jackson Central Office as his preferred Fanout location. Although TCH may choose to route this circuit through its One Allen Center node, the mileage and pricing should be based on a Fanout through the Jackson C.O.

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (Continued)

E) DS0 Service

1) South Western Bell Region - DS0 Standard Rate Schedule

DS0 Service	LDC Non-Recurring*	Monthly Recurring	
		LDC*	DS0 Mileage (Fixed plus Per Mile)
2 wire voice grade	\$166	\$25	\$17.46 + \$1.12 per mile
4 wire voice grade	\$201	\$40	\$17.46 + \$1.12 per mile
2.4 to < 56 kbps	\$350	\$73.15	\$35 + \$1.30 per mile
56 or 64 kbps	\$350	\$73.15	\$35 + \$1.30 per mile
56 or 64 kbps x N (N > 1)	\$350 x N w/ 3,000 MAX	\$73.15	\$35 + \$1.30 per mile

2) GTE Region - DS0 Standard Rate Schedule

DS0 Service	LDC Non-Recurring*	Monthly Recurring	
		LDC*	DS0 Mileage (Fixed plus Per Mile)
2 wire voice grade	\$200	\$30.31	\$0 + \$5.01 per mile
4 wire voice grade	\$200	\$45.35	\$0 + \$5.01 per mile
2.4 to < 56 kbps	\$250	\$93.98	\$0 + \$5.65 per mile
56 or 64 kbps	\$250	\$93.98	\$0 + \$5.65 per mile

\* Local Distribution Channel rate is applied on a "per local distribution channel" basis.

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (Cont'd)

F) Fanout DS0 Service

1) Southwestern Bell Region - DS0/1 Mux (Fanout) Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr	5 Yr.
DS1Service	Standard DS1 NRC Rate Schedule	Standard DS1 Rate Schedule		
DS1/0 MUX @ Company Node	\$0	\$171	\$154	\$146
DS0 Fanout Channel	Standard DS0 NRC Rate Schedule	Standard DS0 Rate Schedule		

2) GTE Region - DS0/1 Mux (Fanout) Rate Schedule

Service Configuration	Non-Recurring	Monthly Recurring		
		1 Yr.	3 Yr	5 Yr.
DS1Service	Standard DS1 Rate Schedule	Standard DS1 Rate Schedule		
DS1/0 MUX @ Company Node	\$1,425	\$262	\$262	\$262
DS0 Fanout Channel	Standard DS0 Rate Schedule	Standard DS0 Rate Schedule		

ACCESS SERVICES

3. DEDICATED ACCESS SERVICES

3.2 Rates for Dedicated Access Services (continued)

G) Video Rate Schedule

Standard rates include two (2) video channels. A customer may order additional audio channels up to a maximum of four. There is no charge for the installation of additional audio channels when they are ordered at the time of the initial video circuit installation.

Service Component	Non-Recurring	Monthly Recurring		
		1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per channel)	--	\$275	\$250	\$220
Interoffice Channel Mileage (Fixed)	--	\$190	\$170	\$150
Interoffice Channel Mileage (Per Mile)	---	\$200	\$180	\$160
Additional Audio Channels* (Per Audio Channel)	\$500	\$100	\$100	\$100
Scrambling Capability (Per Video Channel)	---	\$100	\$100	\$100

## ACCESS SERVICES

## 3. DEDICATED ACCESS SERVICES

## 3.2 Rates for Dedicated Access Services (continued)

## H) DS1E -European Rate Schedule - Type I &amp; Type II DS1 Rates

Rates	1 YR.	3 YR.	5 YR.
Local Distribution Channel (Per Channel)	\$171	\$110	\$105
Zone 1	\$171	\$114	\$105
Zone 2	\$171	\$124	\$114
Zone 3			
Interoffice Channel Mileage (Fixed)**	\$57	\$44	\$42
Zone 1	\$57	\$44	\$42
Zone 2	\$57	\$44	\$42
Zone 3			
Interoffice Channel Mileage (Per Mile)	\$16	\$14	\$12
Zone 1	\$16	\$14	\$12
Zone 2	\$16	\$14	\$12
Zone 3			
Installation Rates:			
Per Local Distribution Channel	\$475	\$285	\$190
Each Additional Local Distribution Channel*	\$380	\$238	\$143

\* The Additional Local Distribution Channel installation (per channel rate) will apply for any additional order after the first order between the same locations at the same time.

ACCESS SERVICES

4. CALL COMPLETION SERVICE

4.4 Call Completion Rates

A) Service Orders

Service Component	Non-Recurring Charge
-Installation Charge	
-Per Line or Trunk	\$3,413.00
-Access Order Charge	
- Per Access Request	\$15.00
-Engineering Change Charge	
- Per Engineer Hour	\$45.00/hr.
-Service Date Change	
- Per Access Request	\$13.00
-Design Change	
- Per Access Request	\$30.00

B) Switched Transport

Service Component	Rates	
	Non-Recurring	Per Access Minute
Tandem Switched Transport		
Tandem Switched Facility		
-Tandem Trans. Per Call Miles		
Originating		
Facility 0 to 1 Call Miles	None	\$ 0.004800
Facility over 1 to 25 Call Miles	None	\$ 0.007300
Facility over 25 to 50 Call Miles	None	\$ 0.015400
Facility over 50 Call Miles	None	\$ 0.025900
Terminating		
Facility All Call Miles	None	*
-Tandem Trans. Fixed - Originating	None	\$ 0.000000
-Tandem Trans. Fixed - Terminating	None	*
-Tandem Switching - Originating	None	\$ 0.000000
-Tandem Switching - Terminating	None	*
-Common Muxing - Originating	None	\$ 0.000000
-Common Muxing - Terminating	None	*
Common Channel Signaling Access	Non-Recurring	Recurring
STP Port Termination (per port)	\$214.00	\$318.87
STP Link Transport (per mile)	None	\$ 0.91
STP Link Transport (Fixed)	None	\$100.16

See ICB reference in Section 4.3.1

\* The per minute of use charges applied to TERMINATING Intrastate Switched Access are found in the Company's FCC Access Service Tariff, Section 5.

(T)  
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(N)

ACCESS SERVICES

4. CALL COMPLETION SERVICE

4.4 Call Completion Rates

A) Service Orders

Service Component	Non-Recurring Charge
-Installation Charge -Per Line or Trunk	\$3,413.00
-Access Order Charge - Per Access Request	\$15.00
-Engineering Change Charge - Per Engineer Hour	\$45.00/hr.
-Service Date Change - Per Access Request	\$13.00
-Design Change - Per Access Request	\$30.00

B) Switched Transport

Service Component	Rates	
	Non-Recurring	Per Access Minute
Tandem Switched Transport		
Tandem Switched Facility -Tandem Trans. Per Call Miles		
Originating		
Facility 0 to 1 Call Miles	None	\$ 0.004800
Facility over 1 to 25 Call Miles	None	\$ 0.007300
Facility over 25 to 50 Call Miles	None	\$ 0.015400
Facility over 50 Call Miles	None	\$ 0.025900
Terminating		
Facility 0 to 1 Call Miles	None	\$ 0.003652
Facility over 1 to 25 Call Miles	None	\$ 0.003652
Facility over 25 to 50 Call Miles	None	\$ 0.003652
Facility over 50 Call Miles	None	\$ 0.003652
-Tandem Trans. Fixed	None	\$.0000000
-Tandem Switching	None	\$.0000000
Common Channel Signaling Access	Non-Recurring	Recurring
STP Port Termination (per port)	\$214.00	\$318.87
STP Link Transport (per mile)	None	\$ 0.91
STP Link Transport (Fixed)	None	\$100.16

See ICB reference in Section 4.3.1

ISSUED: JANUARY 14, 2013

EFFECTIVE: FEBRUARY 14, 2013

ISSUED BY: CAROL PAULSEN, DIRECTOR  
208 S AKARD ST., DALLAS, TX, 75202

CANCELLED  
July 2, 2013  
Missouri Public  
Service Commission  
JL-2013-0574

FILED  
Missouri Public  
Service Commission  
JL-2013-0317

ACCESS SERVICES

4. CALL COMPLETION SERVICE

4.4 Call Completion Rates (continued)

C) End Office

Service Component	Originating (\$ Per MOU)	Terminating (\$ Per MOU)
Call Completion - No Minimum Volume	\$ .0166070	*
Call Completion - (Unbundled)	\$ .0166070	*
Service Component	Rate Per Call	
Carrier Identification Code Parameter (CIP)	\$ .000248	

(T)

(T)

Service Component	Non-Recurring	Terminating (Per MOU)
Shared Common Trunk Port - Terminating	None	*

(N)

(N)

D) 800/888 TOLL FREE SERVICE

Service Component	Non-Recurring	Per Query
800/888 Data Base Query	None	\$ .003100

E) Operator Transfer

Service Component	Non-Recurring	Per Call
Operator Transfer (per call)	None	\$0.22

F) Presubscription

Service Component	Non-Recurring	Per Call
Presubscription (Per Line)	\$0.00	None

G) Directory Assistance

Service Component	Non-Recurring	Per Call
Directory Assistance Service Call	None	\$0.2975

\* The per minute of use charges applied to TERMINATING Intrastate Switched Access are found in the Company's FCC Access Service Tariff, Section 5.

(N)

(N)



## ACCESS SERVICES

## 4. CALL COMPLETION SERVICE

## 4.4 Call Completion Rates (continued)

## C) End Office

Service Component	Originating (\$ Per MOU)	Terminating (\$ Per MOU)
Call Completion - No Minimum Volume	\$.0166070	\$.013439
Call Completion - (Unbundled)	\$.0166070	\$.013439
Service Component	Rate Per Call	
Carrier Identification Code Parameter (CIP)	\$.000248	

## D) 800/888 TOLL FREE SERVICE

Service Component	Non-Recurring	Per Query
800/888 Data Base Query	None	\$.003100

## E) Operator Transfer

Service Component	Non-Recurring	Per Call
Operator Transfer (per call)	None	\$0.22

## F) Presubscription

Service Component	Non-Recurring	Per Call
Presubscription (Per Line)	\$0.00	None

## G) Directory Assistance

Service Component	Non-Recurring	Per Call
Directory Assistance Service Call	None	\$0.2975

ACCESS SERVICES

4. CALL COMPLETION SERVICE

4.4 Call Completion Rates (continued)

VoIP-PSTN - Terminating Only

1. Switched Transport

Service Component	Rates		
	Non-Recurring	Per Access Minute	
Tandem Switched Transport			
Tandem Switched Facility -Tandem Trans. Per Mile, Per Minute		*	(T)
-Tandem Trans. Fixed	None	*	(T)
-Tandem Switching	None	*	(T)
Common Muxing	None	*	(T)

2. End Office

Service Component		Terminating (\$ Per MOU)	
Call Completion - No Minimum Volume		\$0.002563	(R)

Service Component	Non- Recurring	Terminating (\$ Per MOU)	(N)
Shared Common Trunk Port - Terminating	None	*	(N)

\* The per minute of use charges applied to TERMINATING Intrastate Switched Access are found in the Company's FCC Access Service Tariff, Section 5. (N)

ACCESS SERVICES

4. CALL COMPLETION SERVICE

4.4 Call Completion Rates (continued)

VoIP-PSTN - Terminating Only

1. Switched Transport

Service Component	Rates	
	Non-Recurring	Per Access Minute
Tandem Switched Transport		
Tandem Switched Facility -Tandem Trans. Per Mile, Per Minute		\$0.000003
-Tandem Trans. Fixed	None	\$0.000053
-Tandem Switching	None	\$0.000328
Common Muxing	None	\$0.000047

2. End Office

Service Component		Terminating (\$ Per MOU)
Call Completion - No Minimum Volume		\$0.003463

ISSUED: JANUARY 14, 2013

EFFECTIVE: FEBRUARY 14, 2013

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