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Issued: May 29, 2020

Transmittal No. 4

Effective: June 13, 2020

ACCESS SERVICE

CHECK SHEET

Pages of this tariff, as indicated below, are effective as of the date shown at the bottom of the respective pages. Original and revised pages, as named below, comprise all changes from the original tariff and are currently in effect as of the date on the bottom of this page.

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SECTION 1 - DEFINITIONS AND ABBREVIATIONS, (CONT'D.)

Signaling System 7 (SS7) - The Common Channel Out of Band Signaling protocol developed by the Consultative Committee for International Telephone and Telegraph (CCITT) and the American National Standards Institute (ANSI).

Signaling Transfer Point Access - Allows the Customer to access a specialized switch which provides SS7 network access and performs SS7 messaging routing and screening.

Special Access - See Dedicated Access.

Time Division Multiplexing (TDM) – A method of transmitting and receiving voice signals over the Public Switched Telephone Network (PSTN).

Term Agreement - A method of purchasing the Company's services whereby the Customer agrees to purchase service between specific locations for a specified and mutually agreed upon length of time.

Terminal Equipment - Telecommunications devices, apparatus and associated wiring on the Customer-designated premises.

Terminating direction - The use of Access Service for the completion of calls from an IXC or Carrier premises to and end user or Customer premises.

Toll VOIP-PSTN Traffic –The traffic exchanged in time division multiplexing ("TDM") format that originates and/or terminates in Internet Protocol ("IP") format. Traffic originates and/or terminates in IP format if it originates from and/or terminates to an end user customer of a service that requires Internet protocol compatible customer premises equipment.

Transmission Path - An electrical path capable of transmitting signals within the range of the service offering. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant used in the telecommunications industry.

Trunk - A communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group - A set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

VoIP Service - Transmission of communication by aid of wire, cable, radio, or other like connection using Voice Over Internet Protocol that is originated or terminated in Internet Protocol (IP) format. VoIP Services are those services that require the use of IP compatible customer premises equipment.

VoIP Provider Partner: A provider of Voice over Internet Protocol (VoIP) services to End Users where the Company provides connectivity and supporting functions for PSTN interconnection, number resources, and/or switching and transmission functions for delivery of traffic to an IXC or designated tandem. A VoIP Provider Partner may or may not provide physical connection to the last-mile facilities used to serve the End User.

Wire Center - A physical location in which one or more central offices, used for the provision of exchange services, are located.

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SECTION 2 - RULES AND REGULATIONS, (CONT'D.)

2.10 Claims and Disputes

Objections to billed charges should be reported to the Company within a reasonable period of time after the date of the invoice associated with the disputed charges. Claims must include all supporting documentation. The Company shall make adjustments to the Customer's invoice to the extent that circumstances exist which reasonably indicate that such changes are appropriate.

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2.10.1 If the dispute is resolved in favor of the Customer and the Customer has withheld the disputed amount, no interest credits or penalties will apply.

2.10.2 If the dispute is resolved in favor of the Customer and the Customer has paid the disputed amount, the Customer will receive an interest credit from the Company for the disputed amount times a late factor as set forth in Section 2.9 of this tariff.

2.10.3 If the dispute is resolved in favor of the Company and the Customer has paid the disputed amount on or before the payment due date, no interest credit or penalties will apply.

2.10.4 If the dispute is resolved in favor of the Company and the Customer has withheld the disputed amount, the Customer must, within five (5) business days following written, electronic or telephonic notice of the resolution, pay the disputed amount including the late penalty as set forth in Section 2.9 of this tariff.

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SECTION 2 - RULES AND REGULATIONS, (CONT'D.)

2.18 Identification and Rating of Toll VoIP-PSTN Traffic, (Cont'd.)

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2.18.4 Calculation and application of Facilities-Based VoIP Usage Factors to VOIP-PSTN Access Traffic

- A. Facilities-based ("FB") refers to VOIP-PSTN Access Traffic that is originated or terminated over a physical connection to the last-mile facilities used to serve an End User. Company will assess switched access charges based upon a FB percent usage factor ("FBU") that reflects the percentage amount of VOIP-PSTN Access Traffic that travels over a physical connection to the last-mile facilities used to serve an End User. When Customer orders a service from this tariff, the customer shall be responsible for the payment of Access Service charges that reflect Company's FBU.
- B. FCC Form 477 Instructions collect information about two types of interconnected VoIP subscriptions. Those instructions require providers of interconnected VoIP service to report subscriptions as "Over-the-top Subscriptions" if the provider (including affiliates) does not sell to the end user the high capacity connection that terminates at the end user's premises and delivers the interconnected VoIP service. If a subscription is not an Over-the-top Subscription, providers report it as "All Other Subscriptions".
- C. The Company FBU shall be based on information such as the number of the Company's and its VoIP Provider Partner's reported "All Other Subscriptions" to interconnected VoIP service in the state (e.g. as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information. The Company shall retain the call detail, work papers, and information used to develop the FBU factors for a minimum of one year.
- D. The Company may update the FBU factors quarterly or annually. The revised FBU factors will serve as the basis for future billing and will be effective on the bill date of each such month and shall serve as the basis for subsequent monthly billing until superseded by new FBU factors. No prorating or back billing will be done based on the updated FBU factors.
- E. The Company may choose to provide credits based on the FBU factors on a quarterly basis until such time as the Company can implement billing system modifications to apply the FBU factors in monthly invoices.
- F. Not more than once in any year, the Customer may request from the Company an overview of the process used to determine the FBU factors and other information used to determine the FBU factors in order to validate the FBU factors supplied. The Company shall reasonably supply the requested data and information within 30 days of the Customer's request.

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SECTION 3 - SWITCHED ACCESS SERVICE, (CONT'D.)

3.1 General, (Cont'd.)

3.1.4 Application of Access Charges to Toll VoIP-PSTN Traffic

- A. All Toll VoIP-PSTN traffic will be assessed switched access charges at the rates set forth in Section 4 of this tariff.
- B. The Company shall assess and collect switched access rate elements under this tariff for access services, regardless of whether the Company itself delivers such traffic to the called party's premises or delivers the call to the called party's premises via contractual or other arrangements with an affiliated or unaffiliated provider of VoIP service that does not itself seek to collect switched access charges for the same traffic. The Company will not charge for functions not performed by the Company, its affiliated or unaffiliated provider of VoIP service. For purposes of this provision, functions provided by the Company as part of transmitting telecommunications between designated points using, in whole or in part, technology other than TDM transmission in a manner that is comparable to a service offered by a local exchange carrier constitutes the functional equivalent of carrier access service.
- C. The Company will apply, bill, and collect for the functionally equivalent switched access services performed by the Company and/or its VoIP Provider Partner. With regard to the switching charges in Section 4 herein, if the VoIP Provider Partner provides a physical connection to the last-mile facilities used to serve End Users, the applicable switching charge will be the Local Switching charge. If a VoIP Provider Partner does not provide a physical connection to the last-mile facilities used to serve End Users, the applicable switching charge will be the Tandem Switching charge. In either case, all other applicable charges, including the Common Trunk Port, will also be assessed.

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SECTION 3 - SWITCHED ACCESS SERVICE, (CONT'D.)

3.2 Rate Categories, (Cont'd.)

3.2.3 Transport, (Cont'd.)

A. Transmission Paths

The number of Transport transmission paths provided is based on the Customer's order and is determined by the Company.

B. Interconnection

Interconnection of non-Company switched access transport facilities is available between an end office and a Customer point of presence where such facilities are provided.

3.2.4 Tandem Switching

The Tandem Switching category establishes the charges associated with "switching" the call through the Company's switching office from the "incoming" trunk group to the "outgoing" trunk group.

Tandem Switching charges apply when the Company passes a call between the Customer and another carrier, including CMRS providers, VoIP Provider Partners (non-facilities based), and Interconnected Wholesale providers. Tandem switching charges may include charges for multiplexing and associated trunk ports, where applicable. Tandem Switching may include any functional equivalent of the incumbent local exchange carrier Tandem Switching access service provided by the Company via analogous facilities.

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3.2.5 8XX Data Base Query Service

8XX Data Base Query Service is a service offering utilizing originating trunk side Switched Access Service. When an 8XX + NXX + XXXX call is originated by an end user, the Company will perform Customer identification based on screening of the full ten-digits of the 8XX number to determine the Customer location (Carrier identification Code or destination routing number) to which the call is to be routed. This service is billed based on a per query charge.

3.2.6 Local Routing Number (LRN) Query Service of Last Resort

LRN Query Service of Last Resort can be used when a call is routed to the Company's local or tandem switching office where the dialed telephone number is portable and a query has not been performed to identify the correct Carrier for routing of the call. A LRN query will be performed and the call will be re-routed to the correct Carrier. This service charge is a per query charge and will be billed to the Carrier originating the call.

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SECTION 4 - RATES AND CHARGES, (CONT'D.)

4.1 Switched Access Service, (Cont'd.)

4.1.5 Local Switching

A. The Local Switching rate is applied per minute of use rate.

<u>Locality</u>	<u>Local Switching Originating Per Minute of Use</u>	<u>Local Switching Terminating Per Minute of Use</u>
CO, Colorado Springs	\$0.00197400	\$0.0000000
CO, Denver	\$0.00197400	\$0.0000000

B. Common Trunk Port

The Common Trunk Port (CTP) rate element is applied per minute of use when traffic is delivered from an access tandem for local switching or switched from a host office to a remote end office.

<u>Locality</u>	<u>CTP Originating Per Minute of Use</u>	<u>CTP Terminating Per Minute of Use</u>
CO, Colorado Springs	\$0.00074700	\$0.0000000
CO, Denver	\$0.00074700	\$0.0000000

C. Dedicated Trunk Port

The Dedicated Trunk (DTP) rate element is applied on a per dedicated end office port basis.

Per DS1	\$72.00
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SECTION 4 - RATES AND CHARGES, (CONT'D.)

4.1 Switched Access Service, (Cont'd.)

4.1.6 Tandem Switching and Transport Rate Elements

- A. The Tandem Switching rate element is applied per minute of use for traffic switched through an access tandem.

<u>Locality</u>	<u>Tandem Switching Per Minute of Use</u>
CO, Colorado Springs	\$0.00225200
CO, Denver	\$0.00225200

B. Common Transport

Common Transport applies to traffic routed to or from an access tandem or from a host office to or from a remote end office. The Transport Termination rate element is applied per minute of use for the facility termination and per minute per mile for the Transport Facility.

<u>Locality</u>	<u>Transport Termination Per Minute of Use</u>	<u>Transport Facility Per Minute of Use Per Mile</u>
CO, Colorado Springs	\$0.00024000	\$0.00003000
CO, Denver	\$0.00024000	\$0.00003000

C. Common Multiplexing

Common Multiplexing (CMUX) applies per minute of use switched through an access tandem.

<u>Locality</u>	<u>CMUX Per Minute of Use</u>
CO, Colorado Springs	\$0.00003600
CO, Denver	\$0.00003600

D. Dedicated Tandem Trunk Port

The Dedicated Tandem Trunk (DTTP) rate element is applied on a per dedicated tandem port basis.

Per DS1 \$144.00

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