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May 28, 2021  
Via Overnight Delivery  
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Mass. Dept. of  
Telecommunications & Cable

Ms. Shonda D. Green, Commission Secretary  
MA Department of Telecommunications & Cable  
1000 Washington Street  
Suite 600  
Boston, MA 02118

RE: Intrado Communications, LLC  
Revision to Massachusetts Tariff No. 2 (Access)

PAID

Dear Ms. Green:

Please accept the original and one (1) copy of the above-referenced tariff filing submitted on behalf of Intrado Communications, LLC ("Company"). This filing is made to revise certain switched access rates in compliance with the requirements of the Report and Order, FCC 20-143, on 8YY Access Charge Reform issued by the Federal Communications Commission in WC Docket No. 18-156. The Company respectfully requests an effective date of July 1, 2021 for this filing.

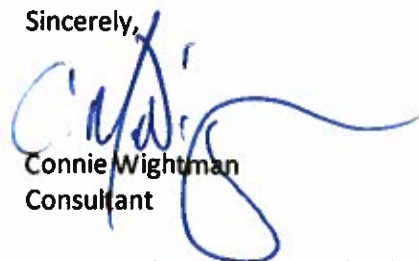
A check in the amount of \$100.00 is enclosed to cover the filing fee.

In addition to the revision of certain switched access rates, this filing is made to update certain verbiage in the tariff.

Please acknowledge receipt of this filing by date-stamping the extra copy of this cover letter and returning it to me in the self-addressed, stamped envelope provided for that purpose.

Any questions you may have regarding this filing should be directed to my attention at 407-740-3002 or via email to cwightman@inteserra.com. Thank you for your assistance in this matter.

Sincerely,



Connie Wightman  
Consultant

cc: Robert W. McCausland – Intrado Communications, LLC

tms: MAa2101

Enclosures  
CW/sd

## ACCESS SERVICES

## CHECK SHEET

Sheets of this tariff are effective as of the date shown at the bottom of the respective sheet(s). Original and revised sheets as named below comprise all changes from the original tariff and are currently in effect as of the date on the bottom of this sheet.

PAGE	REVISION		PAGE	REVISION		PAGE	REVISION	
Title	Original		26	Original		51	1 <sup>st</sup> Rev.	*
1	1 <sup>st</sup> Rev.	*	27	Original		52	Original	
2	Original		28	Original		53	1 <sup>st</sup> Rev.	*
3	Original		29	Original		54	Original	
4	Original		30	Original		55	Original	
5	1 <sup>st</sup> Rev.	*	31	Original		56	Original	
6	Original		32	Original				
7	Original		33	Original				
8	Original		34	Original				
9	1 <sup>st</sup> Rev.	*	35	Original				
10	Original		36	Original				
11	Original		37	1 <sup>st</sup> Rev.	*			
12	Original		38	Original				
13	Original		39	Original				
14	Original		40	Original				
15	Original		41	Original				
16	Original		42	Original				
17	Original		43	Original				
18	Original		44	1 <sup>st</sup> Rev.	*			
19	Original		45	1 <sup>st</sup> Rev.	*			
20	1 <sup>st</sup> Rev.	*	46	1 <sup>st</sup> Rev.	*			
21	1 <sup>st</sup> Rev.	*	47	Original				
22	Original		48	Original				
22.1	Original	*	49	1 <sup>st</sup> Rev.	*			
23	1 <sup>st</sup> Rev.	*	49.1	Original	*			
24	Original		50	1 <sup>st</sup> Rev.	*			
25	Original							

\* Indicates pages included with this filing.

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ACCESS SERVICES

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## SECTION 1 - DEFINITIONS

Certain terms used generally throughout this tariff for the Access Services of this Company are defined below.

Access Code - A uniform seven-digit code assigned by a Common Carrier to an individual customer. The seven-digit code has the form 950-XXXX or 101XXXX.

Access Service - Switched Access to the network of an Interexchange Carrier for the purpose of originating or terminating communications.

Access Service Request (ASR) - The industry service order format used by Access Service Customers and access providers as agreed to by the Ordering and Billing Forum.

Access Tandem - A switching system that provides traffic concentration and distribution function for originating or terminating traffic as an intermediate carrier between other switching facilities that originate or terminate calls to or from an End User.

Authorized User - A person, firm, corporation or other entity that either is authorized by the Customer to use Access Services or is placed in a position by the Customer, either through acts or omissions, to use Access Services.

Carrier or Common Carrier - Provider of telecommunications services for hire. The term "telecommunications service" as used in this definition shall have the same meaning as used in rules, regulations and orders of the FCC, as amended from time to time.

Central Office - A telephone company switching center.

CMRS - Commercial Mobile Radio Service.

Company - Intrado Communications, LLC, issuer of this tariff

Constructive Order - Delivery of calls to or acceptance of calls from the Company's locations constitutes a Constructive Order by the Customer to purchase switched access services as described herein. Similarly, the selection by a Company's End User of the Customer as the presubscribed IXC constitutes a Constructive Order of switched access by the Customer.

Customer - The person, firm, corporation or other entity which orders service or receives service including through a Constructive Order and is responsible for the payment of charges and for compliance with the Company's tariff regulations. The Customer could be an interexchange carrier, a local exchange carrier, a wireless provider, any other Carrier that operates in the state, or other provider originating or terminating toll VoIP-PSTN traffic.

Department - Massachusetts Department of Telecommunications and Cable.

8YY Data Base Access Service - The term "8YY Data Base Access Service" denotes a toll-free originating Trunkside Access Service when the 8YY Service Access Code (i.e., 800, 822, 833, 844, 855, 866, 877, 888, or 899 as available) is used.

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ACCESS SERVICES

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## SECTION 1 – DEFINITIONS, (CONT'D.)

**Signaling Point of Interface** - The Customer designated location where the SS7 signaling information is exchanged between the Company and the Customer.

**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).

**Switched Access Service** - Access to the switched network of an Exchange Carrier for the purpose of originating or terminating communications. Switched Access is available to Carriers, as defined in this tariff.

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

**Toll VoIP-PSTN Traffic** - A Customer's interexchange voice traffic exchanged with the Company in Time Division Multiplexing format over PSTN facilities, which originates and/or terminates in Internet Protocol (IP) format. Toll VoIP-PSTN Traffic originates and/or terminates in IP format when it originates from and/or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

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

**VoIP Provider Partner**: A provider of VoIP Service to End Users where the Company provides the connectivity and supporting functions for PSTN interconnection and/or number resources. A VoIP Provider Partner may or may not provide a physical connection to the last-mile facilities used to serve an End User.

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**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.

**Wireless Provider** - Any carrier authorized to operate as a provider of cellular, personal communications, paging, CMRS, or any other form of wireless transmission.

## ACCESS SERVICES

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

### 2.3 Obligations of the Customer

**2.3.1 The Customer shall be responsible for:**

- |    |  |     |
|----|--|-----|
| A. | the payment of all applicable charges pursuant to this tariff. For the avoidance of doubt and notwithstanding any other provision in this tariff or other Customer service agreement or arrangement including but not limited to Meet Point Billing arrangements, in addition to service charges imposed by the Company for the service, the Customer shall be responsible for and reimburse the Company for any and all charges, fees, assessments of any kind or nature, including but not limited to interstate and intrastate switched access charges, imposed by any third party (collectively "Third Party Charges") upon the Company relating to usage incurred by the Customer in connection with the services. The Customer hereby indemnifies the Company for all Third Party Charges and agrees to defend and hold the Company harmless for all damages, losses, claims or judgments arising out any Third-Party Charges; | (N) |
| B. | the accurate, complete and timely reporting to the Company of all traffic types. The Customer is solely responsible for any damages, losses, claims or judgments arising from Customer's inaccurate, incomplete or non-timely reporting, or arising from Customer's misrepresentations of any type, irrespective of when such situations are revealed or discovered. Nowhere in this Price list is the Customer's responsibility excused for the actions, activities or behaviors of Customer's affiliates, Customer's agents, or other entities in some manner associated with Customer, and Customer shall remain solely responsible for adherence with its responsibilities and obligations pursuant to this price list, and for any noncompliances or effects thereof irrespective of the role of any of Customer's affiliates, Customer's agents, or other entities in some manner associated with Customer;                    | (N) |
| C. | reimbursing the Company for damage to, or loss of, the Company's facilities or equipment caused by the acts or omissions of the Customer or the noncompliance by the Customer with these regulations, or by fire or theft or other casualty on the Customer premises, unless caused by the negligence or willful misconduct of the employees or agents of the Company. The Company will, upon reimbursement for damages to its facilities or equipment, cooperate with the Customer in prosecuting a claim against the person causing such damage and the Customer shall be subjugated in the Company's right of recovery of damages to the extent of such payment;  | (T) |
| D. | providing at no charge, as specified from time to time by the Company, any needed personnel, equipment, space, and power to operate Company facilities and equipment installed on the Customer premises, and the level of heating and air conditioning necessary to maintain the proper operating environment on such premises;  | (T) |
| E. | obtaining, maintaining, and otherwise having full responsibility for all rights-of-way and conduit necessary for installation of fiber optic cable and associated equipment used to provide Access Services to the Customer from the cable building entrance or property line to the location of the equipment space described in 2.3.1.D above. Any costs associated with obtaining and maintaining the rights-of-way described herein, including the costs of altering the structure to permit installation of the Company-provided facilities, shall be owned entirely by, or may be charged by the Company to the Customer. The Company may require the Customer to demonstrate its compliance with this subsection prior to accepting an order for service.   | (T) |

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ACCESS SERVICES

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

## 2.3 Obligations of the Customer, (Cont'd.)

## 2.3.1 The Customer shall be responsible for: (Cont'd.)

- F. providing a safe place to work and complying with all laws and regulations regarding the working conditions on the premises at which Company employees and agents shall be installing or maintaining the Company's facilities and equipment. The Customer may be required to install and maintain Company facilities and equipment within a hazardous area if, in the Company's opinion injury or damage to the Company employees or property might result from installation or maintenance by the Company. The Customer shall be responsible for identifying, monitoring, removing, and disposing of any hazardous material (e.g. friable asbestos) prior to any construction or installation work; (T)
- G. complying with all laws and regulations applicable to, and obtaining all consents, approvals, licenses, and permits as may be required with respect to, the location of Company facilities and equipment in any Customer premises or the rights-of-way for which Customer is responsible obtaining under Section 2.3.1.E above, and granting or obtaining permission for Company agents or employees to enter the Customer premises at any time for the purpose of installing, inspecting, maintaining, repairing, or upon termination of service as stated herein, removing the facilities or equipment of the Company; and (T)  
(T)
- H. not creating or allowing to be placed or maintained any liens or other encumbrances on the Company's equipment or facilities. (T)
- I. The Customer accepts all liability associated with efforts by the Customer or by the Customer's patrons to contact or communicate with 911 Public Service Answering Bureaus or the like when the Company is not the Customer's outbound provider, even though the Customer may be using telephone numbers assigned to the Customer by the Company. (N)  
|  
(N)

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ACCESS SERVICES

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

## 2.3 Obligations of the Customer, (Cont'd.)

## 2.3.3 Jurisdictional Reporting

The jurisdictional reporting requirements will be as specified below. When a Customer orders Access Service or uses Access Service based upon a Constructive Order, its projected Percent Interstate Usage (PIU) must be provided in whole numbers to the Company. Until a revised report is received as set forth herein, credible whole number percentages will be used by the Company to apportion the use and/or charges between interstate and intrastate. Reported or default PIU factors are used only where the call detail is insufficient to determine the appropriate jurisdiction of the traffic. Interstate or intrastate call jurisdiction shall be determined, on a per call basis, based on the originating and terminating information available to the Company. The originating network should, per ATIS-300011 (SS7) or RFC5503 (SIP), provide originating jurisdictional information in the form of Jurisdiction Information Parameter Code ("JIP"). Except as otherwise specified herein, the Company will utilize the procedure for determining call jurisdiction as set forth in the following progressive protocol:

Protocol Step 1: For calls emanating from the Customer, including calls that transit the Customer's network without actually originating there, the JIP shall be properly and accurately populated by the Customer and used by the Company to determine call jurisdiction.

Protocol Step 2: For calls emanating from the Customer when the JIP is not properly and accurately populated or is otherwise unavailable, the Company shall use the post-dip LRN (Local Routing Number) of the calling party's NPA-NXX.

Protocol Step 3: For calls emanating from the Customer when the NPA-NXX is indeterminate (such as an originating 8YY TN) and the Company is directly connected to a licensed carrier's class 5 switching office (or equivalent), pursuant to ATIS-300011 the Company shall populate the JIP based on the LRN of the Trunk Group associated with the switching center itself.

Protocol Step 4: When a reliable LRN is unavailable, and/or the Interconnection is indirect, gatewayed or aggregated traffic from multiple offices, the Company shall utilize the Customer-reported PIU pursuant to this price list to determine call jurisdiction.

Protocol Step 5: When no reported PIU is available, or when the jurisdiction of the call cannot otherwise be determined through the progressive protocol steps set forth above, the Company shall apply a default PIU of 50 percent, meaning that 50 percent of the traffic shall be billed at interstate rates and the remaining 50 percent of the traffic shall be billed at intrastate rates.

Material now found on this page was previously located on Page 23.

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ACCESS SERVICES

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

## 2.3 Obligations of the Customer, (Cont'd.)

## 2.3.3 Jurisdictional Reporting, (Cont'd.)

- (T)
- (M)
- 
- (M)
- A. Originating Access - Originating access minutes is only traffic originating from the Company Local Switching Center(s). (T)
- B. Terminating Access - For Feature Group D Switched Access Service(s), is for traffic terminating to the Company's network, users or gateways. (T)  
(T)
- C. Toll Free 8YY Originating Access - Toll Free (8YY) Originating Access is for 8YY traffic that is switched by the Company's switches and originated by an End User of an Exchange Carrier. (T)  
(T)
- D. Any Customer reported PIU factor that is accepted and utilized by the Company to determine call jurisdiction shall continue to be utilized by the Company until the Customer reports a different projected PIU factor, as set forth below. (T)  
(T)

Material previously found on this page is now located on Page 22.1.

(N)

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Issued: June 1, 2021

Effective: July 1, 2021

Issued by: Tariff Manager  
Lancaster, TX 75146



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ACCESS SERVICES

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

## 2.5 Payment Arrangements, (Cont'd.)

## 2.5.2 Billing and Collection of Charges, (Cont'd.)

The Customer shall notify the Company of any disputed items on an invoice within 90 days of receipt of the invoice. If the Customer and the Company are unable to resolve the dispute to their mutual satisfaction, the Customer may file a complaint with the Department in accordance with the Department's rules of procedures.

Any disputed charges must be paid when due. After the dispute is settled, the Customer will be credited with any payments in excess of those actually due the Company. The Company will also remit interest for all such credited amounts. Interest will be paid at rate required by the Department for Customer deposits.

If a non-residential Customer is unable to resolve any disputes with the Company, the Customer may file a complaint with the Department. Pursuant to its authority under G.L.c. 159, the Department has discretion whether to adjudicate complaints between non-residential Customers and the Company.

## 2.5.3 Refusal and Discontinuance of Service

- A. Upon nonpayment of any amounts owing to the Company, the Company may, by giving requisite prior written notice to the Customer discontinue or suspend service without incurring any liability. The Company may deliver such notice via electronic mail, facsimile, regular mail or certified mail.
- B. Upon violation of any of the other material terms or conditions for furnishing service the Company may, by giving 30 days' prior notice in writing to the Customer, discontinue or suspend service without incurring any liability if such violation continues during that period.
- C. Upon condemnation of any material portion of the facilities used by the Company to provide service to a Customer or if a casualty renders all or any material portion of such facilities inoperable beyond feasible repair, the Company, by notice to the Customer, may discontinue or suspend service without incurring any liability.
- D. Upon any governmental prohibition or required alteration of the services to be provided or any violation of an applicable law or regulation, the Company may immediately discontinue service without incurring any Liability.
- E. A written notice of discontinuance of service, with reasons specified, will be sent fifteen (15) days prior to discontinuance, followed by a second written notice five (5) days prior to discontinuance of service. Notices will be sent via First Class U.S. Mail.

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**ACCESS SERVICES**

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**SECTION 2 – RULES AND REGULATIONS, (CONT'D.)****2.5 Payment Arrangements, (Cont'd.)****2.5.3 Refusal and Discontinuance of Service, (Cont'd.)**

- F. Upon the Company's discontinuance of service to the Customer under Section 2.5.3.A or 2.5.3.B above, the Company, in addition to all other remedies that may be available to the Company at law or in equity or under any other provision of this tariff, may declare all future monthly and other charges which would have been payable by the Customer during the remainder of the term for which such services would have otherwise been provided to the Customer to be immediately due and payable. (T)
- G. The Company may discontinue the furnishings of any and/or all service(s) to Customer, without incurring any liability: (T)
1. Immediately and without notice if the Company deems that such action is necessary to prevent or to protect against fraud or to otherwise protect its personnel, agents, facilities or services. The Company may discontinue service pursuant to this sub-section 2.5.3.171(a-e), if
- (a) The Customer refuses to furnish information to the Company regarding the Customer's credit-worthiness, its past or current use of Common Carrier communications services or its planned use of service(s), or
- (b) The Customer provides false information to the Company regarding the Customer's identity, address, credit-worthiness, past or current use of Common Carrier communications services, or its planned use of the Company's service(s), or

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**ACCESS SERVICES**

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**SECTION 3 – SWITCHED ACCESS SERVICE****3.1 General**

Switched Access Service, which is available to Customers for their use in furnishing their services to End Users, provides a two-point communications path between a Customer and an End User. It provides for the use of common terminating, switching and transport facilities. Switched Access Service provides the ability to originate calls from an End User to a Customer and to terminate calls from a Customer to an End User.

Switched Access Service is available when originating or terminating calls from or to an End User.

Rates and charges are set forth in Section 4. The application of rates for Switched Access Service is described in Section 4.

**3.2 Provision and Description of Switched Access Service Arrangements****3.2.1 Switched Access****(T)**

Switched Access is provisioned at the DS-1 level and provides trunk-side access to Switching Center switches, for the Customer's use in originating and terminating communications. Switched Access service will be provided with Multi-Frequency in Band Signaling (SS7 is also available, where capabilities exist).

**(T)****(T)**

All traffic is routed to and from the Company's local switching center via direct trunking or via an alternative route when direct trunking has not been arranged. Delivery of calls to, or acceptance of calls from, the Company's locations over Company-switched exchange services shall constitute an agreement by the Customer to purchase switched access services as described herein. The Company reserves the right to require the Customer to submit an ASR for switched access.

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ACCESS SERVICES

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

## 3.2 Provision and Description of Switched Access Service Arrangements, (Cont'd.)

## 3.2.2 Manner of Provision

Trunks used for Switched Access Service may be configured for one-way (either originating only or terminating only) or for two-way directionality.

## 3.2.3 Call Types

The following Switched Access Service call types are available

- |    |   |     |
|----|---|-----|
| A. | Originating Switched Access                 | (T) |
| B. | Originating Toll Free (8YY) Switched Access |     |
| C. | Terminating Switched Access                 | (T) |

## 3.2.4 Originating Switched Access (T)

The access code for Switched Access switching is a uniform access code of the form 1+ or 011+ or 101XXXX. For 101XXXX dialing a single access code will be the assigned number of all Switched Access provided to the Customer by a Common Carrier. When the access code is used, Switched Access switching also provides for dialing the digit 0 for access to the Customer's operator service, 911 for access to emergency service, and/or the end of dialing digit (11) for cut-through access to the Customer's premises. The Company will provide originating routing information access consistent with dialing parity obligations. (T)

All elements of Switched Transport and Switching in Section 4.2 provided by the Company in routing Originating Switched Access traffic to the Customer will be charged. (T)

Originating Switched Access is assessed for each minute of use. (N)

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**ACCESS SERVICES**

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**SECTION 3 – SWITCHED ACCESS SERVICE, (CONT'D.)****3.2 Provision and Description of Switched Access Service Arrangements, (Cont'd.)****3.2.5 Originating 8YY Switched Access****(T)**

8YY Data Base Access Service is a service offering utilizing originating Trunk side Switched Access Service. When an 8YY + NXX + XXXX call is originated by an End User, the Company will utilize the Signaling System 7 (SS7) network to query an 800 data base to identify the Customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified Customer over FGD switched access. The 800 series includes the following service access codes 800, 899, 888, 877, 866, 855, 844, 833 and 822.

**(T)****(T)****(T)****(D)**

Originating 8YY Switched Access includes the delivery of 8YY traffic that is initiated by a Wireless Provider's End User and is delivered from a CMRS Mobile, Telephone Switching Office to the Company switch and then to a Customer. All elements of Switched Transport and Switching in Section 4.2 provided by the Company in routing Originating 8YY Switched Access traffic to the Customer will be charged.

**(T)****(T)****(M)**

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**(M)****3.2.6 Terminating Switched Access****(T)**

Switched Access, when used in the terminating direction, may only be used to access End Users who are connected to the Company. Calls in the terminating direction will not be completed to 950-0XXX or 950-XXXX access codes, local operator assistance (0-and 0+), Directory Assistance, (411 or 555-1212) service codes 611 and 911 and 101XXXX access codes.

**(T)**

All elements of Switched Transport and Switching in Section 4.2 provided by the Company in routing Terminating Switched Access to the Customer traffic will be charged.

**(T)**

Terminating Switched Access is assessed for each minute of use.

**(N)**

Material previously found on this page is now located on Page 50.

**(N)**

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ACCESS SERVICES

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## SECTION 4 – SWITCHED ACCESS RATES, (CONT'D.)

## 4.2 Rate Categories

## 4.2.1 There are several rate categories which apply to Switched Access Service

Tandem Carrier Switched Access Originating  
Tandem Carrier Switched Access Terminating  
Local Switching – Originating or Terminating

(T)  
|  
(T)

The Company provides originating and terminating switched access service based on aggregate traffic volumes from the following cost categories:

(N)  
(N)

Switched Transport

The Switched Transport rate category includes the charges related to the transmission and termination between the Customer designated premises (Point of Presence) and Company's access tandem, and between the Company's access tandem, and the end office switch(es) where the Customer's traffic is switched to originate or terminate the Customer's communications. The Switched Transport includes Tandem Switched Transport-Facility and Termination.

(T)  
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(T)

The terminating Switched Transport rate schedules are bifurcated into "Affiliated Price Cap LEC End Office" and "All Other End Offices" rates which include 3<sup>rd</sup> party traffic. The Company bills the Affiliated Price Cap LEC End Office or the All Other End Office terminating Switched Transport rate schedule based on the rates the competing Price Cap LEC would charge for switched transport traffic delivered to the same terminating End Office. In other words, the Company mirrors the Switched Transport rates the Price Cap LEC would charge if it were the terminating Switched Transport provider rather than the Company.

Switched Transport may incorporate a dedicated or common path between the Customer's Point of Presence and the Company's switch or a common transmission path from Exchange Carrier(s) switch(es) connected to the Company's switch. The charges that apply, where applicable, to Switched Transport include Tandem Switching, Tandem Common Trunk Port, Tandem Multiplexing, Tandem Switched Transport – Termination, and Tandem Switched Transport – Facility.

(N)

The Tandem Switching rate element applies to the function of switching call traffic between interconnecting carrier switches. The Tandem Switching rate applies when the Company routes originating or terminating traffic between a Customer and another carrier's end office switch or its equivalent. Where access traffic is routed directly between a carrier Customer and an end user, the Company will also function as an end office provider rather than just an Access Tandem provider.

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(D)

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(D)

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ACCESS SERVICES

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## SECTION 4 – SWITCHED ACCESS RATES, (CONT'D.)

## 4.2 Rate Categories, (Cont'd.)

## 4.2.1 (Cont'd.)

Switched Transport, (Cont'd.)

The Tandem Common Trunk Port element applies to the termination of Common Transport trunk facilities at the Tandem office. The Tandem Common Trunk Port rate is assessed on a per minute of use basis for all originating and terminating access minutes utilizing tandem routing functions.

Tandem Multiplexing allows Customers to interconnect facilities of one capacity or bandwidth with access tandems to facilities of a different capacity or bandwidth from that of the interconnecting facility. The Tandem Multiplexing rate will be assessed to all minutes of use between the Company's tandem and the Customer's Point of Presence.

See Section 4.4 for rates.

Local Switching is provided when a call is originated or terminated using the Company's local exchange services. The Local Switching rate category includes the charges related to the use of end office switching equipment, the terminations in the office of lines; the terminations of calls at Intercept Operators or recordings; the Signaling Transfer Point (STP) functions; and the SS7 signaling function between the switching office and the STP.

See Section 4.4 for rates.

(N)

(N)

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ACCESS SERVICES

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## SECTION 4 – SWITCHED ACCESS RATES, (CONT'D.)

## 4.2 Rate Categories, (Cont'd.)

## 4.2.2 8YY Data Base Query

(T)

The 8YY Data Base Query Charge will apply for each Toll-Free 8YY call query received at the Company's (or its provider's) Toll-Free 8YY data base.

(T)

(T)

A Basic or Vertical Feature Query charge is assessed for each completed query returned from the data base identifying the Customer to whom the call will be delivered whether or not the actual call is delivered to the Customer. The Basic Query provides the identification of the Customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides the same Customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas), (2) POTS translation of 800 series numbers, (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series calls based on factors such as time of day, place or origination of the call, etc.), and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3).

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See Section 4.4.5 for rates.

(N)

## 4.2.3 Optional Features

Other optional features may be available on an Individual Case Basis (ICB).

Material now found on this page was previously located on Page 46.

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**ACCESS SERVICES**

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**SECTION 4 – SWITCHED ACCESS RATES, (CONT'D.)****4.3 Billing of Access Minutes**

When recording originating calls over Switched Access with multi-frequency address signaling, usage measurement begins when the first wink supervisory signal is forwarded from the Customer's facilities. The measurement of originating call usage over Switched Access ends when the originating Switched Access entry switch receives disconnect supervision from either the originating End User's Local Switching Center-(indicating that the originating End User has disconnected), or the Customer's facilities, whichever is recognized first by the entry switch. (T)

For terminating calls over Switched Access with multi-frequency address signaling, the measurement of access minutes begins when a seizure signal is received from the Carrier's trunk group at the Point of Presence within the LATA. The measurement of terminating call usage over Switched Access ends when a disconnect signal is received, indicating that either the originating or terminating user has disconnected. (T)

When recording originating calls over Switched Access with SS7 signaling, usage measurement begins with the transmission of the initial address message by the switch for direct trunk groups and with the receipt of an exit message by the switch for tandem trunk groups. The measurement of originating Switched Access usage ends when the entry switch receives or sends a release message, whichever occurs first. (T)

For terminating calls over Switched Access with SS7 signaling, the measurement of access minutes begins when the terminating recording switch receives the initial address message from the terminating End User. On directly routed trunk groups or on tandem routed trunk groups, the Company switch receives the initial address message and sends the indication to the Customer in the form of an answer message. The measurement of terminating Switched Access call usage ends when the entry switch receives or sends a release message, whichever occurs first. (T)

## ACCESS SERVICES

## SECTION 4 – SWITCHED ACCESS RATES, (CONT'D.)

## 4.4 Rates and Charges, (Cont'd.)

## 4.4.2 8YY Data Base Access Service Queries

	<u>Effective 07/01/2021</u>	<u>Effective 07/01/2022</u>	<u>Effective 07/01/2023</u>
Verizon	\$0.00424800 (R)	\$0.00222400 (R)	\$0.00020000 (R)

## 4.4.3 Switched Access Optional Features

All Optional Features are offered on an Individual Case Basis (ICB).

## 4.5 Application of Access Charges to Toll VoIP-PSTN Traffic

4.5.1 All Toll VoIP-PSTN traffic will be assessed switched access charges at the rates set forth in Section 4.5.3, except as otherwise described in Section 2.3.5 of this tariff.

4.5.2 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 charge for functions performed by the Company or by its affiliated or unaffiliated provider of VoIP service. For purposes of this provision, functions provided by the Company, or by its affiliated or unaffiliated provider of VoIP service, 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.

A. The Company will apply, bill and collect for the functionally equivalent switched access services performed by the VoIP Provider Partner. If the VoIP Provider Partner provides a physical connection to the last-mile facilities used to serve the End User, the End Office Switched Access charges will apply (in addition to applicable Switched Transport charges excluding Tandem Switching and Tandem Common Trunk Port). If a VoIP Provider Partner does not provide a physical connection to the last-mile facilities used to serve the End User, the Switched Access Tandem Services charges will apply.