**EXHIBIT A**

**Level 3 Telecom of Ohio, LLC** P.U.C.O. Tariff No. 15 - Access

7th Revised Page 1

Cancels 6th Revised Page 1

SWITCHED 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.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PAGE | REVISION |  | PAGE | REVISION |  | PAGE | REVISION |  |
| Title | 1st Revised |  | 28 | Original |  | 50 | Original |  |
| 1 | 7th Revised | \* | 29 | Original |  | 51 | Original |  |
| 2 | Original |  | 30 | Original |  | 52 | Original |  |
| 3 | 1st Revised |  | 31 | Original |  | 53 | Original |  |
| 4 | Original |  | 32 | Original |  | 54 | 1st Revised |  |
| 5 | Original |  | 33 | Original |  | 55 | 3rd Revised | \* |
| 6 | Original |  | 34 | Original |  | 56 | Original |  |
| 7 | Original |  | 35 | 1st Revised |  | 57 | 1st Revised |  |
| 8 | 1st Revised |  | 36 | 3rd Revised |  | 58 | 3rd Revised | \* |
| 9 | Original |  | 36.1 | 2nd Revised |  | 59 | Original |  |
| 10 | Original |  | 36.1.1 | Original |  | 60 | Original |  |
| 11 | 1st Revised |  | 36.2 | 1st Revised |  | 61 | Original |  |
| 12 | Original |  | 36.3 | 1st Revised |  | 62 | Original |  |
| 13 | Original |  | 37 | 1st Revised |  | 63 | Original |  |
| 14 | 1st Revised |  | 37.1 | 1st Revised |  | 64 | Original |  |
| 15 | Original |  | 38 | Original |  | 65 | Original |  |
| 16 | Original |  | 39 | Original |  |  |  |  |
| 17 | Original |  | 40 | Original |  |  |  |  |
| 18 | Original |  | 41 | Original |  |  |  |  |
| 19 | Original |  | 42 | Original |  |  |  |  |
| 20 | Original |  | 43 | Original |  |  |  |  |
| 21 | Original |  | 44 | Original |  |  |  |  |
| 22 | Original |  | 45 | Original |  |  |  |  |
| 23 | Original |  | 45.1 | 2nd Revised | \* |  |  |  |
| 24 | Original |  | 46 | Original |  |  |  |  |
| 25 | Original |  | 47 | Original |  |  |  |  |
| 26 | 1st Revised | \* | 48 | Original |  |  |  |  |
| 27 | Original |  | 49 | Original |  |  |  |  |
| \* - indicates those pages included with this filing | | | | | | | | |

Issued: May 16, 2017 Effective: June 16, 2017

Case No. 17- 1267-TP-ATA

Issued by: General Counsel, Regulatory Policy

1025 Eldorado Boulevard

Broomfield, CO 80021 OHa1701a

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

Original Page 2

SWITCHED ACCESS SERVICE

TABLE OF CONTENTS

|  |  |
| --- | --- |
|  | Page |
| CHECK SHEET | 1 |
|  |  |
| TABLE OF CONTENTS | 2 |
|  |  |
| SUBJECT INDEX | 3 |
|  |  |
| EXPLANATION OF SYMBOLS | 4 |
|  |  |
| TARIFF FORMAT | 5 |
|  |  |
| APPLICATION OF TARIFF | 6 |
|  |  |
| SECTION 1 - ABBREVIATIONS AND DEFINITIONS | 7 |
|  |  |
| SECTION 2 - TERMS AND CONDITIONS | 15 |
|  |  |
| SECTION 3 - SWITCHED ACCESS SERVICE | 40 |
|  |  |
| SECTION 4 - RATES AND CHARGES | 54 |
|  |  |
| SECTION 5 - TELECOMMUNICATIONS SERVICES PRIORITY | 61 |

Issued: July 28, 2011 Effective: August 27, 2011

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1104b

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

Original Page 12

SWITCHED ACCESS SERVICE

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

Nonrecurring Charges - The one-time initial charges for services or facilities, including but not limited to charges for construction, installation, or special fees.

OC-12 - A high capacity channel for full duplex, synchronous, optic transmission of digital signals based on the SONET Standard at a rate of 622.08 Mbps.

OC-3 - A high capacity channel for full duplex, synchronous, optic transmission of digital signals based on the SONET Standard at a rate of 155.52 Mbps.

Off-Hook - The active condition of switched access or a telephone exchange service line.

Off-Net - A Customer is considered to be Off-Net when its point of presence is not served by the same Hub in which the Company's Local Switching Center, which is providing service to the Customer, is located.

On-Hook - The idle condition of switched access or a telephone exchange service line.

On-Net - A Customer is considered to be On-Net when its point of presence is served by the same Hub in which the Company's Local Switching Center, which is providing service to the Customer, is located.

Originating Direction - The use of Switched Access Service for the origination of calls from an end user or Customer premises to an IXC premises or to another Local Exchange Carrier or CMRS provider.

Out of Band Signaling - An exchange access signaling feature which allows Customers to exchange call control and signaling information over a communications path which is separate from the message path.

Point of Presence (POP) - Location where the Customer maintains a facility for purposes of interconnecting to the Company’s network.

Point of Termination - The point of demarcation within a Customer-designated premises at which the Company’s responsibility for the provision of access service ends. The point of demarcation is the point of interconnection between Company communications facilities and Customer-provided facilities as described in Part 68 of the Federal Communications Commission’s Rules & Regulations.

Premises - The physical space designated by a Customer or Authorized User for the termination of the Company’s service.

Issued: July 28, 2011 Effective: August 27, 2011

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1104b

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

1st Revised Page 14

Cancels Original Page 14

SWITCHED ACCESS SERVICE

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

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

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 an end user or Customer premises.

(N)  
|  
|  
|  
|  
|  
(N)

(N)  
|  
(N)

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

Toll VoIP-PSTN Traffic – The Customer interexchange 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.

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

Issued: January 24, 2012 Effective: February 24, 2012

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1201c

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

Original Page 40

SWITCHED ACCESS SERVICE

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 electrical communications path between a Customer's premises and an end user's premises. It provides for the use of common and dedicated terminations, switching and trunking facilities, and for the use of common subscriber plant of the Company. Switched Access Service provides for the ability to originate or terminate calls from an end user's premises to a Customer's premises in the LATA where it is provided. When the Customer is a CMRS provider, Switched Access Service rates apply for all interMTA traffic.

Switched Access Service is also available to pass calls between a Customer’s premises and the premises of another carrier, including a CMRS provider.

Arrangements for indirect or direct interconnection by Local Exchange Carriers, Competitive Local Exchange Carriers, Wireless Providers (Commercial Mobile Radio Services (CMRS) and Personal Communications Services (PCS)) with the Company’s facilities for the completion of local traffic will be negotiated on a case by case basis, pursuant to Sections 251 and 252 of the Communications Act.

3.1.1 Ordering Conditions

Except as provided elsewhere in this tariff, all services offered under this tariff will be ordered using an ASR. The format and terms of the ASR will be as specified in the industry Access Service Order Guidelines (ASOG), unless otherwise specified herein.

Issued: July 28, 2011 Effective: August 27, 2011

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1104b

**Level 3 Telecom of Ohio, LLC** P.U.C.O. Tariff No. 15 - Access

3rd Revised Page 55

Cancels 2nd Revised Page 55

SWITCHED ACCESS SERVICE

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

4.1 Switched Access Service, (Cont’d.)

4.1.1 Cincinnati Rates and Charges, (Cont’d.)

D. Direct Connect Charges:

|  |  |
| --- | --- |
| Entrance Facility | Monthly Recurring Charge |
| 2-wire | See FCC Tariff No. 1 |
| 4-wire | See FCC Tariff No. 1 |
| per DS1 | See FCC Tariff No. 1 |
| per DS3 | See FCC Tariff No. 1 |

E. Switched Access Rate Elements

|  |  |
| --- | --- |
|  | Access Rate Per Minute of Use |
| Rate Element |  |
| Carrier Common Line (Originating) | $0.0000000 |
| Carrier Common Line (Terminating) | $0.0000000 |
| Local Switching (Originating) | $0.0048305\* |
| Local Switching (Terminating) | See FCC Tariff No. 1 |

F. Tandem Switching and Transport Elements

|  |  |  |
| --- | --- | --- |
|  | Access Rate Per Minute of Use | |
|  | Originating | Terminating |
| Transport |  |  |
| Termination (each), per minute | $0.000600 | See FCC Tariff No. 1 |
| Facility, per minute per mile | $0.001170 (@ 10 miles) | See FCC Tariff No. 1 |
| Interconnection Charge | $0.000000 | See FCC Tariff No. 1 |
|  |  |  |
| Tandem Switching, per minute | $0.002241\*\* | See FCC Tariff No. 1 |

\*Consists of Local Switching and Shared Trunk Port

\*\*Consists of Tandem Switching and Tandem Multiplexing

G. Direct-Trunked Transport

(C)

|

(C)

Provided on an Individual Basis

Issued: May 16, 2017 Effective: June 16, 2017

Case No. 17-1267-TP-ATA

Issued By: General Counsel, Regulatory Policy

1025 Eldorado Boulevard

Broomfield, CO 80021

OHa1701a

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

Original Page 56

SWITCHED ACCESS SERVICE

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

4.1 Switched Access Service, (Cont’d.)

4.1.1 Cincinnati Rates and Charges, (Cont’d.)

H. Other Switched Access Charges

|  |  |  |
| --- | --- | --- |
| Rate Element | | Access Rate |
|  |  |  |
| A. | 8XX Toll Free Data Base | $0.002391 |
|  | 8XX CIC or POTS Query - per Query |  |
|  |  |  |
| B. | LRN Query of Last Resort – per Query | $0.06 |
|  |  |  |
| C. | BNA (Billing Name & Address) per 10-digit ANI requested | $0.20 |
|  |  |  |
| D. | Media Options Charges |  |
|  | Electronic Data Transfer (per record transferred) | $0.003 |
|  | CD or Email, per record | $0.003 |
|  | Invoice Provisioning, per invoice | $15.00 |
|  |  |  |
| E. | Automatic Number Identification (ANI) |  |
|  | Per ANI delivered | $0.00008 |

Issued: July 28, 2011 Effective: August 27, 2011

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1104b

**Level 3 Telecom of Ohio, LLC** P.U.C.O. Tariff No. 15 - Access

3rd Revised Page 58

Cancels 2nd Revised Page 58

SWITCHED ACCESS SERVICE

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

4.1 Switched Access Service, (Cont’d.)

4.1.2 Columbus and Dayton, (Cont’d.)

D. Direct Connect Charges:

|  |  |
| --- | --- |
| Entrance Facility | Monthly Recurring Charge |
| 2-wire | See FCC Tariff No. 1 |
| 4-wire | See FCC Tariff No. 1 |
| per DS1 | See FCC Tariff No. 1 |
| per DS3 | See FCC Tariff No. 1 |

E. Switched Access Rate Elements

|  |  |
| --- | --- |
|  | Access Rate Per Minute of Use |
| Rate Element |  |
| Carrier Common Line (Originating) | See FCC Tariff No. 1 |
| Carrier Common Line (Terminating) | See FCC Tariff No. 1 |
| Local Switching (Originating) | See FCC Tariff No. 1 |
| Local Switching (Terminating) | See FCC Tariff No. 1 |

F. Tandem Switching and Transport Elements

|  |  |
| --- | --- |
|  | Access Rate Per Minute of Use |
|  | (Originating and Terminating) |
| Transport |  |
| Termination (each), per minute | See FCC Tariff No. 1 |
| Facility, per minute per mile (@ 10 miles - Columbus) | See FCC Tariff No. 1 |
| Facility, per minute per mile (@ 10 miles - Dayton) | See FCC Tariff No. 1 |
| Interconnection Charge | See FCC Tariff No. 1 |
|  |  |
| Tandem Switching, per minute | See FCC Tariff No. 1 |

(C)  
|  
(C)

G. Direct-Trunked Transport

Provided on an Individual Case Basis.

Issued: May 16, 2017 Effective: June 16, 2017

Case No. 17-1267-TP-ATA

Issued By: General Counsel, Regulatory Policy

1025 Eldorado Boulevard

Broomfield, CO 80021

OHa1701a

**tw telecom of ohio llc** P.U.C.O. Tariff No. 13 - Access

Original Page 59

SWITCHED ACCESS SERVICE

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

4.1 Switched Access Service, (Cont’d.)

4.1.1 Columbus and Dayton Rates and Charges, (Cont’d.)

H. Other Switched Access Charges

|  |  |  |
| --- | --- | --- |
| Rate Element | | Access Rate |
|  |  |  |
| A. | 8XX Toll Free Data Base | $0.002304 |
|  | 8XX CIC or POTS Query - per Query |  |
|  |  |  |
| B. | LRN Query of Last Resort – per Query | $0.06 |
|  |  |  |
| C. | BNA (Billing Name & Address) per 10-digit ANI requested | $0.20 |
|  |  |  |
| D. | Media Options Charges |  |
|  | Electronic Data Transfer (per record transferred) | $0.003 |
|  | CD or Email, per record | $0.003 |
|  | Invoice Provisioning, per invoice | $15.00 |
|  |  |  |
| E. | Automatic Number Identification (ANI) |  |
|  | Per ANI delivered | $0.00008 |
|  |  |  |

Issued: July 28, 2011 Effective: August 27, 2011

Issued By: Pamela Sherwood, Vice President, Regulatory Affairs

10475 Park Meadows Drive

Littleton, CO 80124

OHa1104b