

VIA ELECTRONIC FILING

June 29, 2021

Public Utilities Commission of Ohio
Attention: Docketing Division
180 East Broad Street
Columbus, Ohio 43215-3793**Re: XO Communications Services, LLC, P.U.C.O. Tariff No. 4 - Final Pages
Case No. 21-0634-TP-ATA**

To Whom It May Concern:

Please find for filing an electronic copy of XO Communications Services, LLC (“XO”) P.U.C.O. Tariff No. 4 final pages.

The following pages are included in this filing:

**18th Revised Page 1
2nd Revised Page 7
2nd Revised Page 9
2nd Revised Page 11
2nd Revised Page 12
1st Revised Page 39
2nd Revised Page 40
6th Revised Page 55
4th Revised Page 55.1**Should you have any questions, please contact me by telephone to 571-776-4548 or by email at daniel.ostroff@verizon.com.

Sincerely,

/s/ Daniel G. Ostroff

Daniel G. Ostroff
Analyst – State Government Affairs

Enclosures

INTRASTATE ACCESS SERVICES

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	Original		27	Original		46	Original
1	18 th Rev.	*	28	Original		47	Original
2	1 st Rev.		29	Original		48	Original
3	Original		29.1	2 nd Rev.		49	Original
4	Original		29.2	2 nd Rev.		50	Original
5	Original		29.3	1 st Rev.		51	Original
6	Original		29.4	Original		52	Original
7	2 nd Rev.	*	29.5	Original		53	Original
8	2 nd Rev.		29.6	1 st Rev.		54	Original
9	2 nd Rev.	*	30	Original		55	6 th Rev. *
10	1 st Rev.		31	Original		55.1	4 th Rev. *
11	2 nd Rev.	*	32	Original		55.2	Original
12	2 nd Rev.	*	33	Original		55.3	Original
13	Original		34	Original		55.4	Original
14	Original		35	1 st Rev.		55.5	Original
15	Original		36	Original		55.6	Original
16	Original		36.1	Original		56	1 st Rev.
17	1 st Rev.		36.2	Original		57	2 nd Rev.
18	Original		36.3	Original		57.1	1 st Rev.
19	1 st Rev.		36.4	Original		58	Original
20	Original		37	1 st Rev.		59	Original
21	Original		38	Original			
22	Original		39	1 st Rev.	*		
23	1 st Rev.		40	2 nd Rev.	*		
24	Original		41	Original			
25	Original		42	Original			
26	Original		43	Original			
			44	Original			
			45	Original			

* - indicates those pages included with this filing

INTRASTATE ACCESS SERVICES

SECTION 1 - DEFINITIONS

The following definitions are applicable to this tariff:

8YY Originating – Feature Group D originating usage dialed with the following NPAs: 800, 888, 877, 866, 855, 844, 833, 822, or other NPAs as they become available to the industry for the provision of Toll Free services. (N)

Access Code - Denotes a uniform code assigned by the Company to an individual Customer. The code has the form 101XXXX, 950-0XXX, or 950-1XXX. (N)

Access Minutes - Denotes that usage of exchange facilities in intrastate service for the purpose of calculating chargeable usage.

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 a traffic concentration and distribution function for originating or terminating traffic between end offices and a Customer's premises.

Account - The Customer who has agreed, verbally or by signature, to honor the terms of service established by the Company. An account may have more than one access code billed to the same Customer address.

Answer Supervision - The transmission of the switch trunk equipment supervisory signal (off-hook or on-hook) to the Customer's point of termination as an indication that the called party has answered or disconnected.

Automatic Number Identification (ANI) - The Multi-Frequency (MF) signaling parameter that identifies the billing number of the calling party.

Bit - The smallest unit of information in a binary system of notation.

Bits Per Second (bps) - The number of bits transmitted in a one second interval.

Calling Party Number (CPN) - The SS7 signaling parameter that identifies the subscriber line number or directory number of the calling party.

Channel - A path for electrical transmission between two or more points, the path having a bandwidth and termination of the Customer's choosing.

Charge Number (CN) - The SS7 signaling parameter that identifies the billing telephone number of the calling party.

INTRASTATE ACCESS SERVICES

SECTION 1 - DEFINITIONS (CONT'D.)

Dedicated Access - A method for a Customer to directly connect a location of their choice to an XO switch site with non-switched services.

Dual Tone Multifrequency (DTMF) - Tone signaling, also known as touch tone signaling.

End User - Any customer of an intrastate communications service that is not a common carrier; provided that a common carrier other than a telephone company shall be deemed to be an "end user" when such common carrier uses a communications service for administrative purposes, and a person or entity that offers communications service exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.

End Office Switch - A Company switching system where station loops are terminated for purposes of interconnection to each other and to trunks.

Entrance Facility - An Entrance Facility provides the communication path between a Customer's premises and the Company for the sole use of the Customer.

(N)

(N)

Entry Switch - First point of switching.

Exchange - A group of lines in a unit generally smaller than a LATA established by the Company for the administration of communications service in a specified area. An Exchange may consist of one or more central offices together with the associated facilities used in furnishing communications service within that area.

Facilities - Denotes any cable, poles, conduit, carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide the service offered under this tariff.

Firm Order Confirmation (FOC) - Acknowledgment by the Company of receipt of an Access Service Request from the Customer and commitment by the Company of a Service Date.

INTRASTATE ACCESS SERVICES

SECTION 1 - DEFINITIONS (CONT'D.)

N/A - Not Applicable.

Non-8YY Originating – Feature Group B or D originating usage that is not dialed with the following NPAs: 800, 888, 877, 866, 855, 844, 833, 822, or other NPAs as they become available to the industry for the provision of Toll Free services.

(N)
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(N)

Off-Hook - The active condition of Switched Access Service or a telephone exchange line.

Off-Net - Customer or End User locations not capable of being served directly by the Company’s existing network facilities.

On-Hook - The idle condition of Switched Access Service or a telephone exchange line.

On-Net - Customer or End User locations capable of being served directly by the Company’s existing network facilities.

Originating Direction - The use of Switched Access Service for the origination of calls from an End User premises to an IC premises.

Point of Presence - The physical location of an interexchange carrier’s facilities.

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 defined in Part 68 of the Federal Communications Commission’s Rules and Regulations.

Premises - Denotes a building or buildings on contiguous property (except railroad right-of-way, etc.) not separated by a public highway.

Rate Zone - A Rate Zone is a geographic area that comprises a specific Incumbent Local Exchange Carrier’s (ILEC’s) operating territory within the state. All usage rates and charges will be assessed based on the operating territory of the Incumbent Local Exchange Carrier (“ILEC”) from which a call originates or to which a call terminates. Zone 1 is the operating territory of Ohio Bell Telephone Company. Zone 2 is the operating territory of Frontier Telephone Companies (Tariff FCC No. 5). For those calls that originate or terminate in any area of the state not within an identified zone, the Zone 1 rates will apply.

(N)
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(N)

INTRASTATE ACCESS SERVICES

SECTION 1 - DEFINITIONS (CONT'D.)

Serving Wire Center - The wire center from which the Customer-designated premises would normally obtain dial tone from the Company.

Special Access - See Dedicated Access.

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 agree upon length of time.

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

Terminating Direction - The use of Switched Access Service for the completion of calls from an IC's premises to an End User premises.

Toll Free - Toll Free is a service for which the toll charges for completed calls are paid by the toll free subscriber, rather than the calling party. (N)
(N)

Toll VoIP-PSTN Traffic - Interexchange voice traffic that (1) is exchanged with the Company in Time Division Multiplexing ("TDM") format over Public Switched Telephone Network ("PSTN") facilities and (2) 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 of a service that requires IP-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.

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

INTRASTATE ACCESS SERVICES

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

3.3 Rate Categories

There are Five rate categories which apply to Switched Access Service:

- Direct Connect (C)
- Tandem Connect (C)
- Toll-Free 8XX Data Base Access Service (D)
- Optional Features

3.3.1 Direct Connect (C)

The Company will provide Direct Connect Service between the Customer’s Premises and the Company’s Local Switching Center switches. This transmission path is dedicated to the use of a single Customer. DS1 and DS3 facilities are available for Direct Connect Service. A DS1 facility is capable of transmitting at a nominal speed of 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. A DS3 facility is capable of transmitting at a nominal speed of 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. For DS3 facilities, if the Company is required to install additional fiber optic equipment for the benefit of the Customer, then the Customer has the option to choose either an optical or electrical interface. This Direct Connect rate category is comprised of a monthly Entrance Facilities charge and a per minute of use End Office switching charge as specified in Section 3.9.

The Company will provide Direct Connect between the Customer’s Premises and the ILEC’s local switch when the local switch and the facilities are leased by the Company from the ILEC. The Company will bill the Direct Connect rates when the ILEC’s Category 11 Daily Usage Feed Records indicate that the call was routed directly from the Customers’ Premises to the ILEC switch serving the end user customer without routing through the access tandem.

When a Customer purchases Direct Connect, if the number of calls over the direct trunks has reached its maximum level, calls not able to be switched over the direct trunks will overflow/be routed to the Customer via an access tandem. In that event, the Customer will be assessed the Tandem Connect rates for such calls. The Direct Connect rate is comprised of the Minute of Use (MOU) based charges found in Section 3.9.1.B.

The Direct Connect rate is a combination of the former End Office Switching and End Office Trunk Port rate element charges.

INTRASTATE ACCESS SERVICES

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

3.3 Rate Categories (Cont'd.)

3.3.2 Tandem Connect

Tandem Connect consists of circuits from the point of interconnection with Customer's tandem provider to the Company's Local Switching Center. This Tandem Connect rate category is comprised of the Minutes of Use (MOU) based End-Office switching and tandem switched transport functions.

Tandem Connect Charges apply on a per-minute-of-use basis when calls are switched by an ILEC's tandem switch to or from the Company's Local Switching Center or are switched through a tandem switch for which the Company leases from the ILEC for the tandem switching function. The rate will vary based on whether the Company leases the tandem switching function on a call. Tandem Connect rates are found in Section 3.9.2.1.C.

Rates and charges for Tandem Connect minutes for which the Company does not lease the tandem switching function from the ILEC do not contain the ILEC's tandem switching charge and are denoted in the Switched Access Rates section as Tandem Connect Without Tandem Switching. Rates for Tandem Connect minutes for which the Company does lease the tandem switching function from the ILEC contain the ILEC's Tandem Switching Charge and are denoted in the Switched Access Rates section as Tandem Connect with Tandem Switching.

The Tandem Connect Without Tandem Switching rate is a combination of the former End Office Switching, End Office Trunk Port, Tandem Switched Transport, and Tandem Switched Transport Facility (10 miles) rate element charges. The Tandem Connect With Tandem Switching rate is a combination of the former End Office Switching, End Office Trunk Port, Tandem Switched Transport, Tandem Switched Transport Facility (10 miles), and Tandem Switching rate element charges.

3.3.4 Toll-Free 8XX Data Base Access Service

Toll Free Data Base Access Service is a service offering that utilizes originating trunk side Switched Access Service to deliver Toll Free calls to the Company's Interexchange Carrier Customers. The service provides for the forwarding of end user dialed Toll Free calls to a Company Service Switching Point which will initiate a query to the database to perform the Customer identification and delivery function. The call is forwarded to the appropriate Interexchange Carrier Customer based on the dialed Toll-Free number. Records exchange, rating and billing for Toll Free Data Base Access Service is subject to the provisions of the Multiple Exchange Carrier Access Billing Guidelines (MECAB). The Toll-Free 8XX Data Base Access Service charge, which consists of a single, fixed rate element, applies on a per query basis.

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

3.9 Rates and Charges

3.9.1 Direct Connect Service

A. Entrance Facility:

1. Nonrecurring Charges

Installation Per Trunk:

First	\$65.00
Each Additional	\$65.00

B. Direct Connect Charges

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.003487	Note 1*	Note 1*
Zone 2:*	\$0.003756	Note 1*	Note 1*

C. Tandem Connect Charges

1. Tandem Connect Without Tandem Switching

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.003720	Note 1*	Note 1*
Zone 2:*	\$0.003776	Note 1*	Note 1*

2. Tandem Connect With Tandem Switching

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.004804	Note 1*	Note 1*
Zone 2:*	\$0.006176	Note 1*	Note 1*

3.9.3 Toll-Free 8XX Data Base Access Service

Per Query Rate:	\$0.002304
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3.9.5 Switched Access Optional Features

Cut-Through	\$0.025
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* Note 1 – 8YY Originating Usage and Terminating Usage switched access rates are billed at the Company’s tariffed interstate rates found in XO Communications, LLC FCC Tariff No. 1 Section 6.3.3 which may be viewed at www.verizon.com/tariffs/.

* Rate Zones are defined in Section 1.

Issued: June 29, 2021

Effective: July 1, 2021

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INTRASTATE ACCESS SERVICES

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

3.9 Rates and Charges, (Cont'd.)

3.9.5 Switched Access Optional Features, (Cont'd.)

Alternate Traffic Routing	\$0.00
Automatic Number Identification	\$0.0003
Cut-Through	\$0.00
Service Class Routing	\$0.00
Feature Group D with 950 Access	\$0.00
Signaling System Seven (SS7)	\$0.00
Basic Initial Address Message Delivery	\$0.0006
Called Directory Number Delivery	\$0.0003
Flexible ANI Delivery	\$0.00

3.9.6 Switched Access IP Direct Connect

A. Direct Connect Charges

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.003487	Note 1*	Note 1*
Zone 2:*	\$0.003756	Note 1*	Note 1*

B. Tandem Connect Charges

1. Tandem Connect Without Tandem Switching

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.003720	Note 1*	Note 1*
Zone 2:*	\$0.003776	Note 1*	Note 1*

2. Tandem Connect With Tandem Switching

	Per Access Minute of Non-8YY <u>Originating Use</u>	Per Access Minute of 8YY <u>Originating Use</u>	Per Access Minute <u>Terminating Use</u>
Zone 1:*	\$0.004804	Note 1*	Note 1*
Zone 2:*	\$0.006176	Note 1*	Note 1*

*Note 1 – 8YY Originating Usage and Terminating Usage switched access rates are billed at Company’s tariffed interstate rates found in XO Communications, LLC FCC Tariff No. 1 which may be viewed at www.verizon.com/tariffs/.

* Rate Zones are defined in Section 1.

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Case No(s). 21-0634-TP-ATA, 90-9017-TP-TRF

Summary: Tariff Final Tariff Pages electronically filed by Mr. Dan Ostroff on behalf of Ostroff, Daniel G Mr.