
ACCESS SERVICES TARIFF

This Tariff, XO Communications Services, LLC. Michigan Tariff No. 2 replaces XO Communications Services, Inc. Michigan Tariff No. 2, a grandfathered tariff.

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TITLE PAGE

REGULATIONS AND SCHEDULE OF CHARGES APPLYING TO
ACCESS SERVICES
WITHIN THE STATE OF MICHIGAN

of

XO Communications Services, LLC

ACCESS SERVICES TARIFF

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	
Title	1 st Rev.		26.5	Original	
1	26 th Rev.	*	26.6	2 nd Rev	
2	1 st Rev.		27	2 nd Rev	
3	1 st Rev.		28	2 nd Rev	
4	1 st Rev.		29	1 st Rev.	
5	1 st Rev.		30	2 nd Rev.	
6	3 rd Rev.		31	2 nd Rev.	
7	3 rd Rev.		32	3 rd Rev.	
8	4 th Rev.		33	1 st Rev.	
9	4 th Rev.		34	1 st Rev.	
10	4 th Rev.		35	1 st Rev.	
11	1 st Rev.		36	1 st Rev.	
12	1 st Rev.		37	1 st Rev.	
13	1 st Rev.		38	1 st Rev.	
14	1 st Rev.		39	1 st Rev.	
15	1 st Rev.		40	1 st Rev.	
16	2 nd Rev.		41	1 st Rev.	
17	1 st Rev.		42	1 st Rev.	
18	1 st Rev.		43	1 st Rev.	
19	1 st Rev.		44	14 th Rev.	*
20	1 st Rev.		45	9 th Rev.	*
21	1 st Rev.		45.1	1 st Rev.	
22	1 st Rev.		45.2	1 st Rev.	
23	1 st Rev.		45.3	1 st Rev.	
24	1 st Rev.		45.4	1 st Rev.	
25	1 st Rev.		45.5	1 st Rev.	
26	1 st Rev.		46	2 nd Rev.	
26.1	4 th Rev.		47	2 nd Rev	
26.2	3 rd Rev.		47.1	2 nd Rev	
26.3	2 nd Rev.		47.2	1 st Rev.	
26.4	1 st Rev.		48	1 st Rev.	
			49	1 st Rev.	

* - indicates those pages included with this filing

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TARIFF FORMAT

- A. **Page Numbering** - Page numbers appear in the upper right hand corner of the page. Pages are numbered sequentially, however, new pages are occasionally added to the Tariff. When a new page is added between pages already in effect, a decimal is added. For example, a new page added between pages 14 and 15 would be 14.1.

- B. **Page Revision Numbers** - Revision numbers also appear in the upper right hand corner of each page. These numbers are used to determine the most current page version on file. For example, the 4th Revised Page 14 cancels the 3rd Revised Page 14.

- C. **Paragraph Numbering Sequence** – There are five levels of paragraph coding. Each level of coding is subservient to its next higher level
 - 2
 - 2.1
 - 2.1.1
 - 2.1.1.(A)
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- D. **Check Sheets** – When a Tariff filing is made with the Commission, an updated check sheet accompanies the tariff filing. The check sheet lists the pages contained in the Tariff, with a cross reference to the current revision number. When new pages are added, the check sheet is changed to reflect the addition. The tariff User should refer to the latest check sheet to find out if a particular page is the most current on file with the Commission.

 ACCESS SERVICES TARIFF

**EXPLANATION OF SYMBOLS, REFERENCE MARKS, AND
ABBREVIATIONS OF TECHNICAL TERMS USED IN THIS TARIFF**

When changes are made in any tariff sheet, a revised sheet will be issued canceling the tariff sheet affected. Changes will be identified on the revised sheet(s) through the use of the following symbols:

- (C) - To signify changed regulation.
- (D) - To signify a discontinued rate or regulation.
- (I) - To signify increased rate.
- (N) - New rate or regulation.
- (R) - To signify a reduced rate.

ABBREVIATIONS:

- B8ZS** Bipolar with 8-Zero Substitution; a line coding technique which permits DS0 and DS1 transmission with 15 consecutive zeroes. B8ZS support 64 KBPS clear channel transmission.
- DCS** Digital Cross Connect System.
- DS0** Digital Signal Level 0; a dedicated, full duplex digital channel with line speeds of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps.
- DS1** Digital Signal Level 1; a dedicated, high capacity, full duplex channel with a line speed of 1.544 Mbps isochronous serial data having a line signal format of either Alternate Mark Inversion (AMI) or Bipolar with 8 Zero Substitution (B8ZS) and either Superframe (D4) or Extended Superframe (ESF) formats. DS1 Service has the equivalent capacity of 24 Voice Grade or DS0 services.
- DS3** Digital Signal Level 3; a dedicated, high capacity, full duplex channel with a line speed of 44.736 Mbps isochronous serial data having a line code of bipolar with three zero substitution (B3ZS). Equivalent capacity of 28 DS1 Services.
- Gbps** Gigabits per second; billions of bits per second.

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**EXPLANATION OF SYMBOLS, REFERENCE MARKS, AND
ABBREVIATIONS OF TECHNICAL TERMS USED IN THIS TARIFF (CONT'D.)**

ABBREVIATIONS, (Cont'd.)

ICB	Individual Case Basis.
Kbps	Kilobits per second; 1000s of bits per second.
LATA	Local Access and Transport Area. A geographic area established by the US District Court for the District of Columbia in Civil Action No. 17-49, within which a Local Exchange Company provides communications services.
LEC	Local Exchange Company.
Mbps	Megabits per second; millions of bits per second.
N/A	Not Available.
OC-48	A high capacity channel for full duplex, synchronous, optic transmission of digital signals based on the SONET Standard at a rate of 2.4 Gbps
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.
POP	Point of Presence.
XO	XO Communications Services, LLC (C)