

**Transmittal No. 22****ACCESS SERVICE – CARRIER TO CARRIER****CHECK SHEET**

Title Page and Pages 1 to 146 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below contain all changes from the original tariff that are in effect on the date hereof.

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
Title	1st	34	Original	66.2	Original	88	Original	122	Original
1	20th *	35	Original	66.3	Original	89	Original	123	1st
2	Original	36	Original	66.4	Original	90	Original	124	Original
3	Original	37	Original	66.5	Original	91	Original	125	2nd
4	6th *	38	Original	66.6	Original	92	Original	126	12 <sup>th</sup> *
5	1 <sup>st</sup>	39	Original	67	Original	93	Original	126.1	9 <sup>th</sup>
6	Original	40	Original	68	Original	94	Original	127	12 <sup>th</sup> *
7	1 <sup>st</sup> *	41	Original	69	Original	95	Original	128	8 <sup>th</sup> *
8	1 <sup>st</sup> *	42	Original	70	Original	96	Original	129	7 <sup>th</sup>
9	Original	43	Original	71	Original	97	Original	130	3 <sup>rd</sup>
10	1 <sup>st</sup> *	44	Original	72	Original	98	Original	131	Original
11	1st	45	Original	73	Original	99	1st	132	Original
12	1st	46	Original	74	Original	100	Original	133	Original
13	Original	47	Original	75	Original	101	Original	134	Original
14	Original	48	Original	76	Original	102	Original	135	Original
15	1st	49	Original	77	Original	103	Original	136	Original
16	1st	50	Original	78	1st	104	Original	137	Original
17	2nd	51	Original	79	5th	105	Original	138	Original
18	1st	52	Original	80	3rd	106	Original	139	Original
19	Original	53	Original	80.1	3rd	107	Original	140	Original
20	Original	54	Original	80.2	2nd	108	Original	141	Original
21	1st	55	Original	81	2nd	109	Original	142	Original
22	1st	56	Original	82	2nd	110	Original	143	Original
23	Original	57	Original	83	Original	111	Original	144	Original
24	Original	58	Original	84	Original	112	Original	145	Original
25	Original	59	Original	85	3rd	113	Original	146	4 <sup>th</sup> *
26	Original	60	Original	85.1	1st	114	Original		
27	Original	61	Original	85.2	Original	115	1st		
28	Original	62	Original	86	3rd	116	Original		
29	Original	63	Original	86.1	Original	117	Original		
30	Original	64	Original	86.2	Original	118	Original		
31	Original	65	Original	86.3	Original	119	Original		
32	Original	66	Original	86.4	Original	120	Original		
33	Original	66.1	Original	87	Original	121	Original		

\*New or Revised

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619

**Transmittal No. 22****ACCESS SERVICE – CARRIER TO CARRIER**TABLE OF CONTENTS (cont'd)

3.3	Access Ordering Charges .....	73
3.3.1	Access Order Charge .....	73
3.3.2	Access Order Change Charge .....	74
3.3.3	Service Date Change Charge .....	75
3.3.4	Design Change Charge .....	75
3.3.5	Miscellaneous Service Order Charge .....	76
3.3.6	Cancellation of Access Order Charge .....	76
4.	SWITCHED ACCESS – CARRIER COMMON LINE ACCESS SERVICE .....	78
4.1	General .....	78
4.1.1	Rate Categories .....	78
5.	SWITCHED ACCESS – END USER ACCESS CHARGES .....	79
5.1	Rate Categories .....	79
5.1.1	End User Common Line Charge .....	79
5.1.2	Federal Universal Service Fund .....	79
5.2	Access Recovery Charge .....	80
6.	SWITCHED ACCESS SERVICE – Feature Group D Switched Service .....	81
6.1	General .....	81
6.1.1	Rate Categories .....	81
6.2	Feature Group D – Digital Switched 56 Service .....	84
6.2.1	General .....	84
6.2.1.1	Rate Categories .....	85
6.3	Feature Group D – Common Channel Signaling Service (SS-7) .....	85
6.3.1	General .....	85
6.3.1.1	Rate Categories .....	86
6.4	Local Number Portability (LNP) Query Service .....	86
6.6.1	General .....	86
6.6.2	LNP Query Service Application .....	86.1
6.6.3	LNP Service Provisioning .....	86.2
6.6.4	Rate Regulations .....	86.3

**(N)**

**Transmittal No. 22**  
**ACCESS SERVICE – CARRIER TO CARRIER**

TABLE OF CONTENTS (cont'd)

8.2.5	Presubscription .....	104
8.2.6	Verification of Orders for Long Distance .....	105
8.2.7	Maintenance of Service.....	105
8.2.8	Specialized Service or Arrangements .....	106
8.2.9	Blocking Services.....	106
8.2.10	Originating Line Screening (OLS) Service .....	109
9.	TELECOMMUNICATIONS SERVICE PRIORITY .....	110
9.1	General .....	110
9.2	Description.....	110
9.3	Implementation .....	111
9.4	Billing and Rates for Service .....	111
10.	PACKET DATA NETWORK.....	112
10.1	Frame Relay Access Service .....	112
10.1.1	General .....	112
10.1.2	Service Description .....	112
10.1.3	FRAS Ordering and Requirements .....	114
10.1.4	Acceptance Testing.....	115
10.1.5	Rate Categories, Regulations .....	115
10.1.6	FRAS Generic Diagrams.....	121
11.	RATES FOR SERVICE.....	123
11.1	General .....	123
11.2	Termination Liability .....	123
11.3	Access Ordering Rates .....	124
11.4	Switched Access Rates .....	126
11.5	Special Access Rates .....	130
11.6	Telephone Service Priority.....	143
11.7	Frame Relay Access Service Rates.....	144
11.8	Miscellaneous Access Service – TSP.....	146
11.9	Access Recovery Charge - ARC.....	146

**(N)**

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619

**Transmittal No. 22**  
**ACCESS SERVICE – CARRIER TO CARRIER**

---

CONCURRING CARRIERS

Mrs. Stacey Hamlin  
President & CEO  
Climax Telephone Company, d/b/a CTS Telecom, Inc.  
OCN 8331  
13800 E. Michigan Ave.  
Galesburg, MI 49053

(N)

|  
|  
|  
|

(N)

Mr. Steve Shults  
Asst. Treasurer  
Southwest Michigan Communications, Inc., d/b/a Bloomingdale Communications, Inc.  
OCN 144E  
101 W. Kalamazoo St. P.O. Box 187  
Bloomingdale, MI 49026

(N)

|  
|  
|  
|

(N)

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

Buckeye TeleSystem, Inc.

REGISTERED TRADEMARKS

Buckeye TeleSystem, Inc.

---

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619

**Transmittal No. 22**  
**ACCESS SERVICE – CARRIER TO CARRIER**

---

EXPLANATION OF ABBREVIATIONS

ANI Automatic Number Identification

ARC Access Recovery Charge

**(N)**

BHMC Busy Hour Minutes of Capacity

CABS Carrier Access Billing

CDP Customer Designated Premises

CI Channel Interface

CIR Committed Information Rate

CO Central Office

CL Common Line

DA Directory Assistance

DDD Direct Distance Dialing

DS Digital Standard

EF Entrance Facility

EPVC Extended Permanent Virtual Connection

ESS Electronic Switching System

EU End User

EUP End User Port

FCC Federal Communications Commission

FG Feature Group

---

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619

**Transmittal No. 22**  
**ACCESS SERVICE – CARRIER TO CARRIER****11. RATES FOR SERVICE (Cont'd)****11.4 Switched Access Rates**

	State	ILEC Company	Rate	
<b>Carrier Common Line</b>				
Per Access Minute, Originating	ALL*	ALL**	\$0.000000	
Per Access Minute, Terminating	ALL	ALL	\$0.000000	
<b>End User Common Line Charges</b>				
Business Lines/Trunks	ALL	ALL	\$5.50	(I)
Analog Trunks	ALL	ALL	\$5.50	
Business Custom Calling Analog Station Lines	ALL	ALL	\$5.50	
ISDN BRI Stations	ALL	ALL	\$2.75	
Business Custom Calling Digital Station	ALL	ALL	\$2.75	(I)
<b>End User Complex Line Port Charges</b>				
ISDN BRI Stations	ALL	ALL	\$1.55	(I)
ISDN PRI	ALL	ALL	\$15.50	
Business Custom Calling Digital Station Lines	ALL	ALL	\$1.55	
Digital Transport Service (Per DS-1)	ALL	ALL	\$11.00	(I)

The footnotes below refer to all appearances in Sec. 11.4 of this tariff.

Under the columns headed "State:

\* "ALL" refers to Ohio and Michigan; otherwise, where applicable the individual states will be named.

Under the columns headed "ILEC Company"

\*\* "ALL" refers to AT&T, Frontier, and Embarq; otherwise, where applicable the individual ILECs will be named.

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619

**Transmittal No. 22****ACCESS SERVICE – CARRIER TO CARRIER****11. RATES FOR SERVICE (Cont'd)****11.4 Switched Access Rates (Cont'd)**

	State	ILEC Company	Originating Rate	Terminating Rate	
<b><u>Local Switching</u></b>					
Switching per access minute	Michigan	AT&T	\$0.003116	\$0.0000000	(R)
Switching per access minute	Michigan	Frontier	\$0.001412	\$0.0000000	(R)
Switching per access minute	Ohio	AT&T	\$0.003116	\$0.0000000	(R)
Switching per access minute	Ohio	Embarq	\$0.003644	\$0.0000000	(R)
Switching per access minute	Ohio	Frontier	\$0.002208	\$0.0000000	(R)
Common Trunk Port	Michigan	AT&T	\$0.000371	\$0.000000	
Common Trunk Port	Michigan	Frontier	\$0.000529	\$0.000000	
Common Trunk Port	Ohio	AT&T	\$0.000371	\$0.000000	
Common Trunk Port	Ohio	Embarq	\$0.000405	\$0.000000	
Common Trunk Port	Ohio	Frontier	\$0.001548	\$0.000000	

<b><u>Transport</u></b>	State	ILEC Company	Rate
Common Multiplexing	Michigan	AT&T	\$0.000017
Common Multiplexing	Michigan	Frontier	\$0.000000
Common Multiplexing	Ohio	AT&T	\$0.000017
Common Multiplexing	Ohio	Embarq	\$0.000405
Common Multiplexing	Ohio	Frontier	\$0.000000
Transport Termination (per MOU)	Michigan	AT&T	\$0.000103
Transport Termination (per MOU)	Michigan	Frontier	\$0.000000
Transport Termination (per MOU)	Ohio	AT&T	\$0.000103
Transport Termination (per MOU)	Ohio	Embarq	\$0.000412
Transport Termination (per MOU)	Ohio	Frontier	\$0.000000
Transport Facility (per MOU, per mile)	Michigan	AT&T	\$0.000013
Transport Facility (per MOU, per mile)	Michigan	Frontier	\$0.000002
Transport Facility (per MOU, per mile)	Ohio	AT&T	\$0.000013
Transport Facility (per MOU, per mile)	Ohio	Embarq	\$0.000035
Transport Facility (per MOU, per mile)	Ohio	Frontier	\$0.000002

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
 2700 Oregon Road  
 Northwood, OH 43619

**Transmittal No. 22**  
**ACCESS SERVICE – CARRIER TO CARRIER****11. RATES FOR SERVICE (Cont'd)****11.4 Switched Access Rates (Cont'd)**

	State	ILEC Company		Rate
<b><u>Switched Access-Optional Features/Functions</u></b>				
ANI	ALL	ALL		N/C
Service Charge Routing	ALL	ALL		N/C
Alt Traffic Routing	ALL	ALL		N/C
Flex ANI per ID		ALL		\$0.000150
Flex ANI per ID		ALL		\$0.000300
Flex ANI (NRC per End Office, per CIC)	ALL	ALL		\$350.00
Other Optional Features and Functions	ALL	ALL		ICB
<b><u>Direct Trunk Transport Facility (per mile)</u></b>				
High Capacity DS-1	Michigan	ALL		\$13.63
High Capacity DS-1	Ohio	ALL		\$14.51
High Capacity DS-3	Michigan	ALL		\$44.19
High Capacity DS-3	Ohio	ALL		\$57.30
<b><u>Direct Trunk Termination (per term)</u></b>				
High Capacity DS-1	Michigan	ALL		\$34.15
High Capacity DS-1	Ohio	ALL		\$34.15
High Capacity DS-3	Michigan	ALL		\$357.00
High Capacity DS-3	Ohio	ALL		\$357.00
<b><u>Dedicated Trunk Port (per port)</u></b>		ILEC	Originating	Terminating
Direct Trunk Port DS-1 #	Michigan	ALL	252.00	\$0.00
Direct Trunk Port DS-1 #	Ohio	ALL	118.09	\$0.00
<b><u>Tandem Switching</u></b>				
Tandem Switching (per MOU)	Michigan	AT&T		\$0.001116
Tandem Switching (per MOU)	Michigan	Frontier		\$0.003000
Tandem Switching (per MOU)	Ohio	AT&T		\$0.001116
Tandem Switching (per MOU)	Ohio	Embarq		\$0.000124
Tandem Switching (per MOU)	Ohio	Frontier		\$0.002400

(R)

# For each DS-0 trunk port the customer will be assessed a rate 1/24<sup>th</sup> the DS1 rate.

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
2700 Oregon Road  
Northwood, OH 43619



**Transmittal No. 22****ACCESS SERVICE – CARRIER TO CARRIER****11. RATES FOR SERVICE (Cont'd)****11.8 Miscellaneous Access Service – TSP**

Specialized Service or Arrangements	ICB
-------------------------------------	-----

**11.9 Access Recovery Charge (ARC)**

	<u>Michigan</u>		<u>Ohio</u>	
	<u>Frontier</u>	<u>AT&amp;T (#)</u>	<u>ALL</u>	
Primary Residential Line	\$0.00	\$0.00	\$2.23	(-/N/I)
Additional Residential Line	\$0.00	\$0.00	\$2.23	(-/N/I)
ISDN BRI	\$0.00	\$0.00	\$2.23	(-/N/I)
Single Line Business	\$2.50	\$0.00	\$2.23	(I/N/I)
Multiline Business	\$3.46	\$2.15	\$2.15	(-/N/I)
Business Centrex	\$3.46	\$2.15	\$2.15	(-/N/I)
ISDN PRI	\$17.30	\$10.75	\$10.75	(-/N/I)
Digital Trunk Service (DTS)	\$6.92	\$4.30	\$4.30	(-/N/I)

# AT&amp;T rates in Michigan apply to CTS Telecom ,Inc. (OCN 8331) only.

**(N)**

Issued: July 14, 2017

Effective: July 29, 2017

John E. Martin, President  
 2700 Oregon Road  
 Northwood, OH 43619