

ACCESS SERVICE

Regulations, Rates and Charges applying to the provision of Access Service for connection to interstate communications facilities within the operating territory of the Issuing Carriers Listing on Title Page 2.

All material contained herein is new.

Access Services are provided by means of wire, fiber optics, radio or any other suitable technology or a combination thereof.

The terms and conditions of the National Exchange Carrier Association, Inc. Access Service Tariff F.C.C. No. 5 are referenced herein.

Until July 2, 2019, regulations, rates and charges for the provision of interstate access services by Ace Telephone Association – Iowa, Ace Telephone Association – Minnesota, Ace Telephone Company of Michigan, Inc. - Allendale, Ace Telephone Company of Michigan, Inc. – Drenthe were found in Interstate Telcom Consulting, Inc. tariff where Ace Telephone Association – Iowa, Ace Telephone Association – Minnesota, Ace Telephone Company of Michigan, Inc. - Allendale, and Ace Telephone Company of Michigan, Inc. – Drenthe were issuing carriers.

Until July 2, 2019, regulations, rates and charges for the provision of interstate access services by United Communications dba United Telephone Company was found in the NECA Tariff #5 United Communications dba United Telephone Company was an issuing carrier.

ACCESS SERVICE

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ACCESS SERVICE

CHECK SHEET

Title Pages 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.

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17. Rates and Charges

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ACCESS SERVICE USERS GUIDEGeneral

This tariff references the National Exchange Carrier Association, Inc., Access Service Tariff F.C.C. No. 5 for its terms and conditions for all Issuing Carriers listed on Title Page 2.

This tariff comports with the F.C.C. Part 61 rules in 47 C.F.R. Section 61.39 as promulgated by the Report and Order in CC Docket No. 86-467, adopted May 14, 1987 and released June 29, 1987. Consequently, this tariff cross references the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 5 for terms and conditions.

ACCESS SERVICE

CONCURRING CARRIERS

None

CONNECTING CARRIERS

None

OTHER PARTICIPATING CARRIERS

None

REGISTERED SERVICE MARKS

None

REGISTERED TRADEMARKS

None

ACCESS SERVICE EXPLANATION OF
SYMBOLS

The following symbols shall be used in this tariff for the purpose indicated below:

- C - to signify changed regulation.
- D - to signify discontinued rate or regulation. I - to signify increase to a rate or charge.
- M - to signify matter relocated without change. N - to signify new rate or regulation.
- R - to signify reduction to a rate or charge.
- S - to signify matter reissued without change.
- T - to signify a change in text but no change in rate or regulation.
- Z - to signify a correction.

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS

ADA	-	Abbreviated Dialing Arrangement
ADM	-	Add/Drop Multiplexing
ADSL	-	Asymmetric Digital Subscriber Line
AML	-	Actual Measured Loss
ANI	-	Automatic Number Identification
AP	-	Program Audio
AT&T	-	AT&T Corp.
BHMC	-	Busy Hour Minutes of Capacity
CCS	-	Common Channel Signaling
CDP	-	Customer Designated Premises
CI	-	Channel Interface
CIR	-	Committed Information Rate
CN	-	Charge Number
CNP	-	Charge Number Parameter
CO	-	Central Office
Cont'd	-	Continued
CPE	-	Customer Provided Equipment
CPN	-	Calling Party Number
CSP	-	Carrier Selection Parameter
DA	-	Directory Assistance
dB	-	decibel
dBrnC	-	Decibel Reference Noise C-Message Weighting
dBrnC0	-	Decibel Reference Noise C-Message Weighted O
dc	-	direct current
DDD	-	Direct Distance Dialing
DSL	-	Digital Subscriber Line
EAS	-	Extended Area Service
EDD	-	Envelope Delay Distortion
EML	-	Expected Measured Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
f	-	frequency
F.C.C.	-	Federal Communications Commission
FRAS	-	Frame Relay Access Service

ACCESS SERVICE

EXPLANATION OF ABBREVIATIONS (Cont'd)

HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
kbps	-	kilobits per second
kHz	-	kilohertz
LAN	-	Local Area Network
LATA	-	Local Access and Transport Area
ma	-	milliamperes
Mbps	-	Megabits per second
mcs	-	Microsecond
MHz	-	Megahertz
MRC	-	Monthly Recurring Charge
MT	-	Metallic
MTS	-	Message Telecommunications Service
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NXX	-	Three-Digit Central Office Prefix
OC	-	Optical Carrier
OLT	-	Optical Line Termination
PBX	-	Private Branch Exchange
PIC	-	Presubscribed Interexchange Carrier
POT	-	Point of Termination
PSTN	-	Public Switched Telephone Network
PVC	-	Permanent Virtual Connection
SAC	-	Service Access Code
SNAL	-	Signaling Network Access Line
SONET	-	Synchronous Optical Network
SP	-	Signaling Point
SPOI	-	Signaling Point of Interface
SRL	-	Singing Return Loss
SSP	-	Service Switching Point
SS7	-	Signaling System 7
STP	-	Signal Transfer Point
STS	-	Synchronous Transport Signal
SWC	-	Serving Wire Center
TDM	-	Time Division Multiplexing
TG	-	Telegraph Grade
TLP	-	Transmission Level Point
TV	-	Television
VG	-	Voice Grade
V & H	-	Vertical & Horizontal
WATS	-	Wide Area Telecommunications Service
WSC	-	Wireless Switching Center
WSO	-	WATS Serving Office

ACCESS SERVICE

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of nondominant, competitive interstate access service (including Carrier Common Line, End User Access, Switched Access, Special Access, Digital Subscriber Line Access Service, Public Packet Data Network and other miscellaneous services hereinafter referred to collectively as service(s)). These services are provided to customers by the issuing carriers, hereinafter the Telephone Company. This tariff also contains Access Ordering regulations and charges that are applicable when these services are ordered or modified by the customer.)
- 1.2 The provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.
- 1.3 TCA, in accordance with the provisions of Part 61.39(a) of the F.C.C.'s Rules and Regulations and under the Authority of Special Permission 03-058, has elected to file its own tariff and reference the regulations, terms and conditions of the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 5, Access Service, for the General Regulations, End User Common Line, Carrier Common Line, Switched Access Services, Special Access Services, and other miscellaneous services contained therein. Regulations, terms and conditions applicable to these services are therefore specifically cross referenced and included in the following sections of the National Exchange Carrier Association, Inc. (NECA) Access Service Tariff F.C.C. No. 5:
 2. General Regulations
 3. Carrier Common Line Access Service
 4. End User Access Service
 5. Access Ordering
 6. Switched Access Service
 7. Special Access Service
 8. Lifeline Assistance and Universal Service Fund Charges
 9. Directory Assistance Service
 10. Special Federal Government Access Services
 11. Special Facilities Routing of Access Service

ACCESS SERVICE

1. Application of Tariff(Cont'd)
 12. Specialized Service or Arrangements
 13. Additional Engineering, Additional Labor and Miscellaneous Services
 14. Exceptions to Access Service Offerings
 15. Access Service Interfaces and Transmission Specifications
 16. Public Packet Data Network

ACCESS SERVICE

2. General Regulations

The regulations, terms and conditions for this section are the same as those set forth in Section 2 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

3. Federal Universal Service Charge, ISDN Line Ports and DS1 Line Ports

The regulations, terms and conditions for this section are the same as those set forth in Section 3 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

4. End User Access Service

The regulations, terms and conditions for End User Access Service are the same as those set forth in Section 4 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

5. Access Ordering

The regulations, terms and conditions of Access Ordering are the same as those set forth in Section 5 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

6. Switched Access Service

The regulations, terms and conditions for Switched Access Service are the same as those set forth in Section 6 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

7. Special Access Service

The regulations, terms and conditions for Special Access Service are the same as those set forth in Section 7 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

8. Digital Subscriber Line Access Service

The regulations, terms and conditions for this section are the same as those set forth in Section 8 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

9. Directory Service

The regulations, terms and conditions for this section are the same as those set forth in Section 9 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

10. Special Federal Government Access Services

The regulations, terms and conditions for this section are the same as those set forth in Section 10 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

11. Special Facilities Routing of Access Services

The regulations, terms and conditions for this section are the same as those set forth in Section 11 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

12. Specialized Service or Arrangements

The regulations, terms and conditions for this section are the same as those set forth in Section 12 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services

The regulations, terms and conditions for this section are the same as those set forth in Section 13 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

14. Exceptions to Access Service Offerings

The regulations, terms and conditions for this section are the same as those set forth in Section 14 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

15. Access Service Interfaces and Transmission Specifications

The regulations, terms and conditions for this section are the same as those set forth in Section 15 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

16. Public Packet Data Network

The regulations, terms and conditions for this section are the same as those set forth in Section 16 of the National Exchange Carrier Association, (NECA) Inc. Access Service Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port

17.1.2 Regulations concerning End User Access Service are set forth in Section 4 of the NECA Tariff F.C.C. No. 5

The rates and charges of the Telephone Company of End User Access Service will be the same as those in Section 17.1.2 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)

- 17.1.3 Regulations concerning Federal Universal Service Charge (FUSC) are set forth in Section 3.9 of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for Federal Universal Service Charge (FUSC) will be the same as those in Section 17.1.3 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports

Regulations concerning ISDN Line Ports are set forth in Section 3.10 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for ISDN Line Ports will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

17.1.5 DS1 Line Port

Regulations concerning DS1 Line Port are set forth in Section 3.11 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for DS1 Line Port will be the same as those in section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.5 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.1 Switched Access Service

17.1.1	<u>Nonrecurring Charges</u>	<u>Rate</u>	Tariff Section <u>Reference</u>
(A)	<u>Local Transport - Installation Per Entrance Facility</u>		6.4.1 (B) (1)
	- Voice Grade Two-Wire	\$481.03	
	- Voice Grade Four-Wire	\$481.03	
	- High Capacity DS1	\$352.76	
	- High Capacity DS3	\$475.69	
	- Synchronous Optical Channel OC3	\$384.82	
	- Synchronous Optical Channel OC12	\$384.82	
	- ESALT 2 Mbps	\$570.09	
	- ESALT 10 Mbps	\$570.09	
	- ESALT 50 Mbps	\$570.09	
(C)	<u>Interim NXX Translation Per Order</u>		
	- Per LATA or Market Area	\$235.17	6.4.1(B)(2)
(D)	<u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$472.47	6.4.1(B)(3)
(E)	<u>Trunk Activation</u>		<u>Per Order</u>
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$490.64	6.4.1(B)(1)
(F)	<u>ESALT Direct Trunked Termination</u>		
	- Per ESALT Direct Trunked Termination installed	\$375.60	6.4.1(B)(1)
(G)	<u>Flexible Automatic Number Identification (Flex ANI)</u>		
	- Per End Office, Per CIC	None	6.10.1(AA)
(H)	<u>ESALT Entrance Facility Protection</u>		
	- Per ESALT Entrance Facility	\$576.26	6.10.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
	<u>Premium Access</u>		
	- <u>Entrance Facility</u>		
	Per Termination		6.1.3(A)(1)
	- Voice Grade Two-Wire	\$34.15	
	- Voice Grade Four-Wire	\$54.65	
	- High Capacity DS1	\$166.49	
	- High Capacity DS3	\$1,520.21	
	- Synchronous Optical Channel OC3	\$1,550.16	
	- Synchronous Optical Channel OC12	\$1,655.07	
	- ESALT 2 Mbps	\$294.89	
	- ESALT 10 Mbps	\$317.83	
	- ESALT 50 Mbps	\$411.78	
	- <u>Direct Trunked Transport</u>		6.1.3(A)(2)
	- <u>Direct Trunked Facility</u>		
	Per Mile		
	- Voice Grade	\$2.43	
	- High Capacity DS1	\$11.41	
	- High Capacity DS3	\$99.37	
	- Synchronous Optical Channel OC3	\$106.37	
	- Synchronous Optical Channel OC12	\$133.51	
	Per DTF-E1 Facility		
	- ESALT 2 Mbps	\$33.60	
	- ESALT 10 Mbps	\$85.19	
	- ESALT 50 Mbps	\$238.54	
	Per DTF-E2 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	Per DTF E-3 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	- ESALT 2 Mbps	\$55.86	
	- ESALT 10 Mbps	\$172.22	
	- ESALT 50 Mbps	\$488.72	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2. Switch Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

	<u>Rate</u>	<u>Tariff Section Reference</u>
- <u>Direct Trunked Termination</u> Per Termination		
- Voice Grade	\$24.45	
- High Capacity DS1	\$59.18	
- High Capacity DS3	\$380.04	
- Synchronous Optical Channel OC3	\$395.70	
- Synchronous Optical Channel OC12	\$861.57	
- ESALT 2 Mbps	\$78.40	
- ESALT 10 Mbps	\$95.84	
- ESALT 50 Mbps	\$117.14	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)RateTariff
Section
ReferencePremium Access (Cont'd)Nonrecurring
Charge- Multiplexing

Per Arrangement

- DS3 to DS1

\$346.75

- DS1 to Voice

\$133.88

- Customer Node

Per Node

- OC3 155.52 Mbps

\$359.95

\$674.33

- OC12 622.08 Mbps

\$1,039.87

\$674.33

- Customer Premises Port

Per Port

6.1.3(A)(7)

- OC3 155.52 Mbps

\$118.11

- STS-1 51.84 Mbps

\$141.81

\$674.33

- DS3 44.736 Mbps

\$141.81

\$674.33

- DS1 1.544 Mbps

\$36.35

\$674.33

- Add/Drop MultiplexingCentral Office Port Per Port

6.1.3(A)(6)

- OC3 155.52 Mbps

\$118.11

- DS3 44.736 Mbps

\$72.72

- DS1 1.544 Mbps

\$29.08

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company - Iowa (Cont'd)

17.2	<u>Switched Access Service (Cont'd)</u>		Tariff Section Reference
17.2.2	<u>Local Transport (Cont'd)</u>	<u>Rate</u>	
	<u>Premium Access (Cont'd)</u>		
	- <u>Tandem Switched Transport</u>		6.1.3(A)(3)
	- <u>Tandem Switched Facility</u> Per Access Minute Per Mile	\$.000084	
	- <u>Tandem Switched Termination</u> Per Access Minute Per Termination	\$.000439	
	- <u>Tandem Switching</u> Per Access Minute Per Tandem	\$.001106	
	<u>Network Blocking Per Blocked Call</u> Applies to FGD only	\$. 006873	6.8.6

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company - Iowa (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)(A) Common Channel Signaling Network Connection

	<u>Rate</u>	<u>Tariff Section Reference</u>
(1) <u>Signaling Network Access Link</u>		6.10.3
- Signaling Mileage Facility per mile	\$ 3.28	
- Signaling Mileage Termination per Termination	\$ 32.91	
- Signaling Entrance Facility per Facility	\$ 63.03	
		<u>Nonrecurring Charge</u>
		\$410.92
(2) <u>STP Port</u>		
- Per port	\$324.80	
(B) <u>800 Data Base Access Service Queries</u>		6.10.3
Per Query		
Basic	.002389	
Vertical Feature	.002640	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company - Iowa (Cont'd)17.2 Switch Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tariff
Section
Reference
6.10.3

- (C) ESALT Real Time CoS/QoS
Per ESALT Direct Trunked Facility, Per Option

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$6.42	\$32.09	\$99.83

- (D) ESALT Entrance Facility Protection Per
ESALT Entrance Facility

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$119.10	\$119.10	\$119.10

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>
<u>Premium</u>	
Per Originating Access Minute	\$0.006034
Per Terminating Access Minute	\$0.0007

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) <u>Information Surcharge</u>	
- Premium Per 100 Originating Access Minutes	\$0.0221
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company – Iowa (Cont'd)

17.2.4 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)17.2.5 Directory Assistance Service

<u>Rate</u>	<u>Tariff Section Reference</u>
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(A) Directory Assistance Service

\$1.09	9.4.2
--------	-------

A Directory Assistance Service Charge applies for each call to Directory Assistance Service.

(B) RESERVED FOR FUTURE USE

(C) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth respectively in 9.4.8(A) and (B) preceding, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:

(1) Credit per call when Switched Access Service is billed using nonpremium per minute rates	\$0.0299	9.4.8
(2) Credit per call when Feature Group A or B Switched Access Service is billed using premium per minute rates	\$0.0566	9.4.8
(3) Credit per call when Feature Group C or D Switched Access Service is billed using premium per minute rates	\$0.0566	9.4.8

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Per Month Per Line or Trunk	Tariff Section Reference
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
		<u>Rate</u>	
17.2.9	<u>Operator Transfer Service</u>		
	Per Call Transferred	\$0.4904	6.10

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont’d)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	Monthly <u>Rate</u>	Tariff Section <u>Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff
F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Rate</u>
(A) Channel Termination Per Termination	\$83.05	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$119.35	
(2) Channel Mileage Termination Per Termination	\$8.34	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$16.84	
(b) Series Bridging Per Port	\$16.84	
(4) DSL Access Service Connection		
(a) Per 10BASE-T	\$647.67	\$450.00
(b) Per 100BASE-T	\$3,362.04	\$650.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA
Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$83.05	\$450.00
- Four-Wire	\$166.16	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$9.97	
(2) Channel Mileage Termination Per Termination	\$99.90	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$16.84	
- Four-Wire	\$16.84	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA
Tariff F.C.C. No. 5.

	<u>Monthly Rates</u>	<u>Nonrecurring Rates</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$139.48	\$450.00
- Four-Wire	\$223.17	\$450.00
(B) Chaneel Mileage		
(1) Channel Mileage Facility Per Mile	\$9.96	
(2) Channel Mileage Termination Per Termination	\$99.86	
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
- Two-Wire	\$16.84	
- Four-Wire	\$16.84	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions (Cont'd)

(1) Bridging (Cont'd)

(b) Data Bridging per port

- Two-Wire	\$16.84
- Four-Wire	\$16.84

(c) Telephoto Bridging per port

- Two-Wire	\$16.84
- Four-Wire	\$16.84

(d) DATAPHONE Select-A-Station Bridging

Sequential Arrangement, Ports Per channel connected

- Two-wire	\$57.40
- Four-wire	\$304.34

Addressable Arrangement, Ports Per channel connected

- Two-wire	\$61.40
- Four-wire	\$265.84

(e) Telemetry and Alarm BridgingActive Bridging Channel Connections
Per channel connected

- Split Band	\$26.81
- Summation	\$10.49

Passive Bridging Channel
Connections
Per channel connected

\$0.74

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions (Cont'd)	
(2) Conditioning Per Termination	
- C-Type	
	\$24.72
- Improved Attenuation Distortion*	
	None
- Improved Envelope Delay Distortion*	
	None
- Data Capability	
	\$21.96
- Telephoto Capability	
	\$23.32
- Sealing Current	
	None
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination	
- Two-Wire	
	\$35.33
- Four-Wire	
	\$35.33
(4) Customer Specified Receive Level per two-wire termination	
	\$26.70

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions (Cont'd)	
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$584.96
(6) Signaling Capability Per termination	\$56.57
(7) Selective Signaling Arrangement Per arrangement	\$16.84
(8) Transfer Arrangement (key activated* or Dial-Up**)	
- Per four port arrangement including control channel termination***	\$12.39
- Per five port arrangement including control channel termination***	\$28.43
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wirecenter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

			<u>Nonrecurring Charge</u>	
(A)	<u>Channel Termination Per Termination</u>	<u>Monthly Rate</u>	<u>Daily* Rate</u>	
	- 200 to 3500 Hz	\$147.89	\$14.79	
	- 100 to 5000 Hz	\$257.53	\$25.75	
	- 50 to 8000 Hz	\$257.53	\$25.75	
	- 50 to 15000 Hz	\$257.53	\$25.75	
(B)	<u>Channel Mileage</u>			
(1)	<u>Channel Mileage Facility Per Mile</u>		<u>Monthly Rate</u>	<u>Daily* Rate</u>
	- 200 to 3500 Hz		\$9.97	\$1.00
	- 100 to 5000 Hz		\$19.87	\$1.99
	- 50 to 8000 Hz		\$29.84	\$2.98
	- 50 to 15000 Hz		\$39.78	\$3.98
(2)	<u>Channel Mileage Termination Per Termination</u>			
	- 200 to 3500 Hz		\$99.90	\$9.99
	- 100 to 5000 Hz		\$199.75	\$19.98
	- 50 to 8000 Hz		\$299.65	\$29.97
	- 50 to 15000 Hz		\$399.49	\$39.95

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

	<u>Monthly Rate</u>	<u>Daily* Rate</u>
(C) Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$51.62	\$5.16
(2) Stereo per service	\$36.05	\$3.61
	\$63.83	\$5.91

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		Nonrecurring			
		<u>Charge</u>			
		<u>Monthly</u>	<u>Daily*</u>	<u>Monthly</u>	<u>Daily*</u>
		<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>
(A) Channel Termination					
Per Termination					
-	TV-1 or 2	\$1,528.00	\$840.40	\$330.00	\$330.00
-	4TV-5	\$1,528.00	\$840.40	\$330.00	\$330.00
-	6TV-5	\$1,528.00	\$840.40	\$330.00	\$330.00
-	TV-15	\$1,528.00	\$840.40	\$330.00	\$330.00
(B) Channel Mileage					
				<u>Monthly</u>	<u>Daily*</u>
				<u>Rate</u>	<u>Rate</u>
(1) Channel Mileage	Facility				
Per Mile					
-	All			\$1,300.55	\$1,098.78
(2) Channel Mileage Termination					
Per Termination					
-	All			\$1,385.68	\$1,170.70

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per termination		
- 2.4 kbps	\$258.04	\$390.00
- 4.8 kbps	\$258.04	\$390.00
- 9.6 kbps	\$258.04	\$390.00
- 19.2 kbps	\$258.04	\$390.00
- 56.0 kbps	\$258.04	\$390.00
- 64.0 kbps	\$258.04	\$390.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
- 2.4 kbps	\$9.46	
- 4.8 kbps	\$9.46	
- 9.6 kbps	\$9.46	
- 19.2 kbps	\$9.46	
- 56.0 kbps	\$13.35	
- 64.0 kbps	\$13.35	
(2) Channel Mileage Termination Per Termination		
- 2.4 kbps	\$94.87	
- 4.8 kbps	\$94.87	
- 9.6 kbps	\$94.87	
- 19.2 kbps	\$94.87	
- 56.0 kbps	\$134.81	
- 64.0 kbps	\$134.81	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)

(C) Optional Features and Functions	Monthly Rate
(1) Bridging Per port	\$22.66
(2) Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$16.06
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB
(D) Channel Service Unit Per Termination****	
- 2.4 kbps	\$80.31
- 4.8 kbps	\$80.31
- 9.6 kbps	\$80.31
- 56.0 kbps	\$80.31

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA
Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A)	Channel Termination Per Termination		
	- DS1 1.544 Mbps	\$ 641.61	\$330.00
	- DS1C 3.152 Mbps	ICB	ICB
	- DS2 6.312 Mbps	ICB	ICB
	- Capacity of 1 DS3 44.736 Mbps Interface	\$5,291.87	
	- per DS3 Channel Installed		\$445.00
	- DS4 274.176 Mbps	ICB	ICB
(B)	Channel Mileage		<u>Monthly Rate</u>
	(1) Channel Mileage Facility Per Mile		
	- 64 kbps*		\$13.35
	- 1.544 Mbps		\$39.74
	- 3.152 Mbps		ICB
	- 6.312 Mbps		ICB
	- 44.736 Mbps		\$345.81
	- 274.176 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination	Monthly Rate
Per Termination	
- 64 kbps*	\$134.81
- 1.544 Mbps	\$205.71
- 3.152 Mbps	ICB
- 6.312 Mbps	ICB
- 44.736 Mbps	1,323.15
- 274.176 Mbps	ICB

(C) Term Discounts <u>Percentage</u>	
DS1 and DS3 services	10%
36 months	
60 months	20%

(D) Optional Features and Functions Monthly Rate

(1) Multiplexing, per arrangement	
DS4 to DS1	ICB
DS3 to DS1	\$1,226.59
DS2 to DS1	ICB
DS1C to DS1	ICB
DS1 to Voice **	\$506.22
DS1 to DS0	\$506.22
DS0 to Subrates	
- Up to 20 2.4 kbps services	\$1,210.27
- Up to 10 4.8 kbps services	\$822.40
- Up to 5 9.6 kbps services	\$729.26

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
(2)	Automatic Loop Transfer Per arrangement*	\$408.57	
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$445.34	
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None	
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None	
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps	\$231.72	
	- Automatic Loop Transfer	\$931.02	
(G)	DSL Access Service Connection - Per 1.544 Mbps	\$647.67	\$450.00
	-Per 44.736 Mbps	\$4,497.80	\$650.00

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.10 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination Per Termination			Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
-	OC3/OC3c	155.52 Mbps	\$5,403.46	\$360.00
-	OC12	622.08 Mbps	\$6,754.88	\$360.00
(B) Channel Mileage Facility Per Mile				
-	OC3/OC3c	155.52 Mbps	\$370.61	
-	OC12	622.08 Mbps	\$465.52	
(C) Channel Mileage Termination Per Termination				
-	OC3/OC3c	155.52 Mbps	\$1,379.07	
-	OC12	622.08 Mbps	\$3,004.05	
(D) Term Discount				
OC3/OC3c and OC12 Services			<u>Percentage</u>	
36 months				10%
60 mnths				20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(A) Optional Features and Functions

Customer Premises Port Per Port		Monthly Rate	Nonrecurring Charge
(1) Customer Node Per Node			
-	OC3/OC3c 155.52 Mbps		
		\$1,255.06	\$640.00
-	OC12 622.08 Mbps		
		\$3,625.71	\$640.00
Customer Premises Port Per Port			
-	OC3/OC3c 155.52 Mbps	\$482.01	
-	STS-1 51.84 Mbps	\$494.46	\$640.00
-	DS3 44.736 Mbps	\$494.46	\$640.00
-	DS1 1.544 Mbps	\$126.74	\$640.00
(2) Add/Drop Multiplexing Central Office Port Per Port			
-	OC3/OC3c 155.52 Mbps	\$482.01	
-	DS3 44.736 Mbps	\$253.53	
-	DS1 1.544 Mbps	\$101.43	
(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility			
-	OC3/Oc3c	None	
-	OC12	None	
(4) DSL Access Service Connection			
-	Per OC3/OC3c	\$7,880.14	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4.1 Access Ordering

	Charge	Tariff Section Reference
<u>(A) access Order Charge</u>		
Per Order	\$86.00	5.4.1
<u>(B) Service Date Change Charge</u>		
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The application charge is:		
Service Date Change Charge, per order	\$60.00	
<u>(B) Design Change Charge</u>		
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:		
Design Change Charge, per order	\$84.00	5.4.3
<u>(C) Miscellaneous Service Order Charge</u>		
Per Occurrence	\$123.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled workday, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

<u>Additional Labor Periods</u>		<u>Each Half Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Installation or Repair			
- Overtime, outside of normally scheduled working hours on a scheduled workday, per technician		\$47.57*	13.2.1 & 13.2.2
- Premium Time, outside of scheduled workday, per technician		\$63.42*	13.2.1 & 13.2.2
(B) Stand by			
- Basic time, normally scheduled working hours, per technician		\$21.18*	13.2.3
- Overtime, outside of normally scheduled working hours on a scheduled workday, per technician		\$31.77*	13.2.3
- Premium Time, outside of scheduled workday, per technician		\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)Additional Labor Periods

Each Half Hour or Fraction Thereof

(B) Testing and Maintenance with other Telephone Companies, or Other Labor	Installation and Repair <u>Technician</u>	Central Office Maintenance <u>Technician</u>	Tariff Section <u>Reference</u> <u>e</u>
- Basic Time per technician normally scheduled working hours	\$31.71	\$34.66	13.2.4 & 13.2.5
- Overtime per technician outside of normally scheduled working hours on a scheduled workday,	\$47.57*	\$51.99*	13.2.4 & 13.2.5
- Premium Time per technician outside of scheduled workday	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing – Switch Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(A)(1)

(B) Additional Automatic Testing- Switched Access
To First Point of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests; however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(A) Additional Manual Testing – Switched Access
To First Point of Switching

Additional Tests
Gain-Slope, C-Notched Noise and any other agreed to
tests, per technician

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in

17.4.3(C) preceding

13.3.1(A)(3)

(B) Additional Cooperative Acceptance Testing – Special
Access

Basic Time, Overtime* and Premium Time*

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in

17.4.3(C) preceding

13.3.1(B)(1)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(A) Additional Manual Testing – Switched Access
To First Point of Switching

Additional Tests
Basic Time, Overtime*
and Premium Time*

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in

17.4.3(C) preceding

13.3.1(B)(2)

(B) Additional Cooperative Acceptance Testing – Special
Access

Basic Time, Overtime* and Premium Time*

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in

17.4.3(C) preceding

13.32

- * A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

(I) Presubscribed Interexchange
Carrier (PIC) Change Charge*

13.4(J)

Per Telephone Exchange Service
Line or trunk for each interLATA
PIC change:

(1) Submitted using manual methods	\$5.50
(2) Submitted using electronic methods	\$1.25
(3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75
(4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associate charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(K) Blocking Service*

	Nonrecurring <u>Charge</u>	Tariff Section <u>Reference</u>
- Per exchange service eline, or trunk and/or per Feature Group A Switched Access Line	\$11.20	13.8

(L) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$ 0.33	13.9.4(A)
- Optional Magnetic Tape Charge- Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge	\$37.20	13.9.4(C)
- Per each half hour		

(M) Originating Line Screening (OLS)
Service

- Per exchange service line	\$7.95	13.10
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(N) Coin Supervision Additive Service

	Monthly <u>Rate</u>	
- Per exchange service line	\$2.21	13.12

- * Blocking access to 900 Service is offered to all subscribers at no charge
- (a) from November 1, 1993 through December 31, 1993 and
 - (b) at the time telephone service is established at a new number and for 60 days thereafter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(M) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>
Residence	
- Individual line or trunk, each	\$2.47
(2) <u>Access Recovery Charge (ARC)</u>	
Single Line Business	
- Individual line or trunk, each	\$3.00
(3) <u>Access Recovery Charge (ARC)</u>	
Multi Line Business	
- Individual line or trunk, each	\$3.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		

(B) Wideband Digital Special Access Service

	<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each	ICB rates and charges apply		
	Type II, each	ICB rates and charges apply		
	Type III, each	ICB rates and charges apply		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.6 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, combined, the rates and charges will be developed on an individual case basis. (Reserved for future use.)

(C) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Specialized Service or Arrangements

None

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access
Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
<u>Connections</u>		
(1) <u>Frame Relay Access Connection (FRAC) (per FRAC)</u>		
56.0 kbps	\$444.31	\$345.00
64.0 kbps	\$444.31	\$345.00
1.544 Mbps	\$945.08	\$345.00
44.736 Mbps	\$7,014.46	\$345.00
(2) <u>Frame Relay Inter-network Connection (FRIC)</u>		
(per FRIC)		
1.544 Mbps	\$945.08	\$345.00
44.736 Mbps	\$7,014.46	\$345.00
(3) <u>End User Port (per port)</u>		
56.0 kbps	\$181.17	
64.0 kbps	\$181.17	
1.544 Mbps	\$421.87	
44.736 Mbps	\$3,213.30	
(4) <u>Inter-network Customer Port (per port)</u>		
1.544 Mbps	\$421.87	
44.736 Mbps	\$3,213.30	
(5) <u>Term Discounts</u>		
	<u>Percentage</u>	
36 months	10%	
60 months	20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

CIRMonthly
Rate

8 kbps	\$12.93
16 kbps	\$12.93
28 kbps	\$15.51
32 kbps	\$15.51
56 kbps	\$18.14
64 kbps	\$18.14
128 kbps	\$23.25
192 kbps	\$31.06
256 kbps	\$36.24
384 kbps	\$51.78
512 kbps	\$72.45
768 kbps	\$93.16

(b) Extended

CIRMonthly
Rate

8 kbps	\$15.51
16 kbps	\$15.51
28 kbps	\$19.65
32 kbps	\$19.65
56 kbps	\$38.39
64 kbps	\$38.39
128 kbps	\$84.10
192 kbps	\$113.19
256 kbps	\$150.55
384 kbps	\$241.11
512 kbps	\$301.16
768 kbps	\$450.81

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$1,156.69	\$390.00
44.736 Mbps	\$6,425.83	\$390.00
155.52 Mbps	\$9,956.93	\$390.00
622.08 Mbps	\$14,452.97	\$390.00

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$1,781.53	\$1,780.00
100 Mbps	\$3,362.04	\$1,780.00
1 Gbps	\$6,501.39	\$3,233.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

Monthly

Rate

\$13.01

Nonrecurring

Charge

\$64.00

(b) Capacity Charge, Per Megabit of Capacity, Per Path

-Path Size 1 to 50 Mbps

CBR

\$74.43

VBR-rt

\$59.53

VBR-nrt

\$44.68

UBR

\$37.21

- Path Size 51 to 150 Mbps

\$66.97

\$52.09

\$37.21

\$29.76

- Path Size Over 150 Mbps

\$52.09

\$37.21

\$29.76

\$22.30

(3) Virtual Circuit Channels, Per Virtual Circuit Channel

Monthly

Rate

\$12.74

Nonrecurring

Charge

\$64.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(3) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$76.34	\$64.00

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 bps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$5.02	\$9.71	\$7.00

(v) Per MM-VCC Design Change

Nonrecurring Charge
\$6.00

(4) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$146.45	\$295.00
5 Mbps	\$179.93	\$295.00
10 Mbps	\$207.83	\$295.00
20 Mbps	\$227.35	\$295.00
50 Mbps	\$263.62	\$295.00
100 Mbps	\$292.91	\$295.00
200 Mbps	\$375.67	\$295.00
250 Mbps	\$417.05	\$295.00
300 Mbps	\$442.99	\$295.00
400 Mbps	\$468.93	\$295.00
500 Mbps	\$546.76	\$442.00
600 Mbps	\$564.34	\$442.00
700 Mbps	\$581.91	\$442.00
750 Mbps	\$634.63	\$442.00
800 Mbps	\$653.05	\$442.00
900 Mbps	\$671.46	\$442.00
1 Gbps	\$726.69	\$442.00
2.5 Gbps	\$1,404.56	\$442.00
5 Gbps	\$2,131.25	\$442.00
10 Gbps	\$2,910.95	\$442.00

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$553.74	\$295.00
5 Mbps	\$559.31	\$295.00
10 Mbps	\$567.68	\$295.00
20 Mbps	\$641.61	\$295.00
50 Mbps	\$725.30	\$295.00
100 Mbps	\$758.77	\$295.00
200 Mbps	\$781.09	\$295.00
250 Mbps	\$792.25	\$295.00
300 Mbps	\$843.58	\$295.00
400 Mbps	\$894.90	\$295.00
500 Mbps	\$1,048.89	\$442.00
600 Mbps	\$1,080.41	\$442.00
700 Mbps	\$1,111.93	\$442.00
750 Mbps	\$1,206.50	\$442.00
800 Mbps	\$1,244.72	\$442.00
900 Mbps	\$1,282.94	\$442.00
1 Gbps	\$1,397.59	\$442.00
2.5 Gbps	\$2,697.54	\$442.00
5 Gbps	\$4,097.92	\$442.00
10 Gbps	\$5,598.73	\$442.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

Capacity	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$200.32	\$259.00
5 Mbps	\$222.36	\$259.00
10 Mbps	\$244.39	\$259.00
20 Mbps	\$272.44	\$259.00
50 Mbps	\$288.46	\$259.00
100 Mbps	\$314.50	\$259.00
200 Mbps	\$394.63	\$259.00
250 Mbps	\$434.69	\$259.00
300 Mbps	\$457.93	\$259.00
400 Mbps	\$504.41	\$259.00
500 Mbps	\$550.88	\$388.00
600 Mbps	\$580.13	\$388.00
700 Mbps	\$638.62	\$388.00
750 Mbps	\$697.11	\$388.00
800 Mbps	\$725.56	\$388.00
900 Mbps	\$782.45	\$388.00
1 Gbps	\$839.34	\$388.00
2.5 Gbps	\$1,610.57	\$388.00
5 Gbps	\$2,449.91	\$388.00
10 Gbps	\$3,351.35	\$388.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$3,266.37	\$175.00
155.52 Mbps	\$3,919.64	\$262.00
622.08 Mbps	\$6,532.75	\$262.00

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds
of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.20	\$2.48

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
200 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00
300 Mbps	\$0.00	\$205.00
400 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.69	\$1.35	
<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
600 Mbps	\$0.00	\$307.00
700 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
800 Mbps	\$0.00	\$307.00
900 Mbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500 Mbps to 900 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.39	\$0.77

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$0.00	\$307.00
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

Near Real
Time CoS
\$0.27

Real Time
CoS/QoS
\$0.55

(b) Per Interswitch ETSEVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$86.14	\$205.00
5 Mbps	\$116.19	\$205.00
10 Mbps	\$218.35	\$205.00
20 Mbps	\$434.69	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2
Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real
Time CoS
\$4.08

Real Time
CoS/QoS
\$8.21

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$586.94	\$205.00
100 Mbps	\$937.50	\$205.00
200 Mbps	\$1,598.55	\$205.00
250 Mbps	\$1,929.08	\$205.00
300 Mbps	\$2,186.29	\$205.00
400 Mbps	\$2,700.71	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

	<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
	\$2.46	\$4.93
<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$3,215.14	\$307.00
600 Mbps	\$3,426.67	\$307.00
700 Mbps	\$3,849.75	\$307.00
750 Mbps	\$4,272.83	\$307.00
800 Mbps	\$4,536.85	\$307.00
900 Mbps	\$5,064.89	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500Mbps to 900 Mbps

Monthly Rate Per CoS Level, Per Megabit

	<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
	\$1.49	\$2.95

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$5,592.93	\$307.00
2.5 Gbps	\$10,773.21	\$307.00
5 Gbps	\$16,370.15	\$307.00
10 Gbps	\$22,391.77	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

Near Real
Time CoS
\$0.92

Real Time
CoS/QoS
\$1.84

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$58.09	\$410.00
5 Mbps	\$72.12	\$410.00
10 Mbps	\$130.21	\$410.00
20 Mbps	\$260.42	\$410.00
50 Mbps	\$390.62	\$410.00
100 Mbps	\$629.00	\$410.00
200 Mbps	\$1,083.06	\$410.00
250 Mbps	\$1,310.09	\$410.00
300 Mbps	\$1,453.52	\$410.00
400 Mbps	\$1,740.38	\$410.00
500 Mbps	\$2,027.24	\$615.00
600 Mbps	\$2,173.07	\$615.00
700 Mbps	\$2,464.74	\$615.00
750 Mbps	\$2,756.40	\$615.00
800 Mbps	\$2,904.24	\$615.00
900 Mbps	\$3,199.91	\$615.00
1 Gbps	\$3,495.58	\$615.00
2.5 Gbps	\$6,740.77	\$615.00
5 Gbps	\$10,238.36	\$615.00
10 Gbps	\$13,994.36	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$50.49	\$410.00
5 Mbps	\$65.53	\$410.00
10 Mbps	\$127.09	\$410.00
20 Mbps	\$241.42	\$410.00
50 Mbps	\$399.93	\$410.00
100 Mbps	\$564.92	\$410.00
200 Mbps	\$1,045.34	\$410.00
250 Mbps	\$1,285.54	\$410.00
300 Mbps	\$1,380.68	\$410.00
400 Mbps	\$1,570.96	\$410.00
500 Mbps	\$1,761.24	\$615.00
600 Mbps	\$2,001.79	\$615.00
700 Mbps	\$2,242.34	\$615.00
750 Mbps	\$2,362.62	\$615.00
800 Mbps	\$2,488.25	\$615.00
900 Mbps	\$2,739.52	\$615.00
1 Gbps	\$2,990.79	\$615.00
2.5 Gbps	\$5,756.66	\$615.00
5 Gbps	\$8,748.69	\$615.00
10 Gbps	\$11,961.63	\$615.00

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$84.55	\$410.00
5 Mbps	\$133.86	\$410.00
10 Mbps	\$260.67	\$410.00
20 Mbps	\$352.26	\$410.00
50 Mbps	\$712.75	\$410.00
100 Mbps	\$868.87	\$410.00
200 Mbps	\$1,294.26	\$410.00
250 Mbps	\$1,506.95	\$410.00
300 Mbps	\$1,729.60	\$410.00
400 Mbps	\$1,840.92	\$410.00
500 Mbps	\$2,063.57	\$615.00
600 Mbps	\$2,348.66	\$615.00
700 Mbps	\$2,633.76	\$615.00
750 Mbps	\$2,776.31	\$615.00
800 Mbps	\$2,927.00	\$615.00
900 Mbps	\$3,228.39	\$615.00
1 Gbps	\$3,529.78	\$615.00
2.5 Gbps	\$6,796.23	\$615.00
5 Gbps	\$10,324.29	\$615.00
10 Gbps	\$14,118.74	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
200 Mbps	\$150.00
250 Mbps	\$150.00
300 Mbps	\$150.00
400 Mbps	\$150.00
500 Mbps	\$225.00
600 Mbps	\$225.00
700 Mbps	\$225.00
750 Mbps	\$225.00
800 Mbps	\$225.00
900 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00
44.736 Mbps	\$150.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$14.15	\$17.50	\$7.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Feature and Functions

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

Monthly Rate Per 64 kbps	Nonrecurring Charge Per LBR-VCC
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\$0.36	\$7.00
--------	--------

Nonrecurring Charge

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:	Monthly Rate	Nonrecurring Charge
- 2 Mbps to 1 Gbps	\$115.86	\$560.00
- 2.5 Gbps to 10 Gbps	\$289.43	\$560.00

(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:	Monthly Rate	Nonrecurring Charge
- 2 Mbps to 1 Gbps	\$266.80	\$560.00
- 2.5 Gbps to 10 Gbps	\$648.74	\$560.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Service (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$8.39

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$8.80

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$10.49

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$70.43

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$47.79

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate Per
10 Mbps
 \$117.38

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate Per
10 Mbps
 \$171.55

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan Number of

<u>Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Iowa (Cont'd)17.4 Other Services (Cont'd)17.4.8 (D) Internet Protocol Gateway Access Service
RESERVED FOR FUTURE USE17.4.9.1 Digital Subscriber Line Access Service
RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port

17.1.2 Regulations concerning End User Access Service are set forth in Section 4. of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for End User Access Service will be the same as those in Section 17.1.2 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)

- 17.1.3 Regulations concerning Federal Universal Service Charge (FUSC) are set forth in Section 3.9 of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for Federal Universal Service Charge (FUSC) will be the same as those in Section 17.1.3 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports

Regulations concerning ISDN Line Ports are set forth in Section 3.10 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for ISDN Line Ports will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

17.1.5 DS1 Line Port

Regulations concerning DS1 Line Port are set forth in Section 3.11 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for DS1 Line Port will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.5 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service

17.2.1	<u>Nonrecurring Charges</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
(A)	<u>Local Transport - Installation Per Entrance Facility</u>		6.4.1 (B) (1)
	- Voice Grade Two-Wire	\$481.03	
	- Voice Grade Four-Wire	\$481.03	
	- High Capacity DS1	\$352.76	
	- High Capacity DS3	\$475.69	
	- Synchronous Optical Channel OC3	\$384.82	
	- Synchronous Optical Channel OC12	\$384.82	
	- ESALT 2 Mbps	\$570.09	
	- ESALT 10 Mbps	\$570.09	
	- ESALT 50 Mbps	\$570.09	
(C)	<u>Interim NXX Translation Per Order</u>		
	- Per LATA or Market Area	\$235.17	6.4.1(B)(2)
(D)	<u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$472.47	6.4.1(B)(3)
(E)	<u>Trunk Activation</u>		<u>Per Order</u>
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$490.64	6.4.1(B)(1)
(F)	<u>ESALT Direct Trunked Termination</u>		
	- Per ESALT Direct Trunked Termination installed	\$375.60	6.4.1(B)(1)
(G)	<u>Flexible Automatic Number Identification (Flex ANI)</u>		
	- Per End Office, Per CIC	None	6.10.1(AA)
(H)	<u>ESALT Entrance Facility Protection</u>		
	- Per ESALT Entrance Facility	\$576.26	6.10.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
	<u>Premium Access</u>		
-	<u>Entrance Facility</u>		
	Per Termination		6.1.3(A)(1)
-	Voice Grade Two-Wire	\$51.73	
-	Voice Grade Four-Wire	\$82.78	
-	High Capacity DS1	\$252.21	
-	High Capacity DS3	\$2,302.86	
-	Synchronous Optical Channel OC3	\$2,348.23	
-	Synchronous Optical Channel OC12	\$2,507.15	
-	ESALT 2 Mbps	\$446.71	
-	ESALT 10 Mbps	\$481.47	
-	ESALT 50 Mbps	\$623.77	
-	<u>Direct Trunked Transport</u>		6.1.3(A)(2)
-	<u>Direct Trunked Facility</u>		
	Per Mile		
-	Voice Grade	\$3.68	
-	High Capacity DS1	\$17.28	
-	High Capacity DS3	\$150.52	
-	Synchronous Optical Channel OC3	\$161.13	
-	Synchronous Optical Channel OC12	\$202.24	
	Per DTF-E1 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
	Per DTF-E2 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
	Per DTF E-3 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
-	ESALT 2 Mbps	\$84.61	
-	ESALT 10 Mbps	\$260.88	
-	ESALT 50 Mbps	\$740.32	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport (Cont'd)</u>	<u>Rate</u>	Tariff Section <u>Reference</u>
	- <u>Direct Trunked Termination Per Termination</u>		
	- Voice Grade	\$37.04	
	- High Capacity DS1	\$89.65	
	- High Capacity DS3	\$575.70	
	- Synchronous Optical Channel OC3	\$599.43	
	- Synchronous Optical Channel OC12	\$1,305.14	
	- ESALT 2 Mbps	\$118.76	
	- ESALT 10 Mbps	\$145.19	
	- ESALT 50 Mbps	\$177.45	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2 <u>Local Transport (Cont'd)</u>				<u>Rate</u>	<u>Tariff Section Reference</u>
<u>Premium Access (Cont'd)</u>					<u>Nonrecurring Charge</u>
- <u>Multiplexing</u>					
Per Arrangement					
- DS3 to DS1				\$525.26	
- DS1 to Voice				\$202.80	
- <u>Customer Node</u>					
Per Node					
-	OC3	155.52	Mbps	\$545.27	\$674.33
-	OC12	622.08	Mbps	\$1,575.23	\$674.33
- <u>Customer Premises Port</u>					6.1.3(A)(7)
Per Port					
-	OC3	155.52	Mbps	\$178.91	
-	STS-1	51.84	Mbps	\$214.82	\$674.33
-	DS3	44.736	Mbps	\$214.82	\$674.33
-	DS1	1.544	Mbps	\$55.06	\$674.33
- <u>Add/Drop Multiplexing</u>					6.1.3(A)(6)
<u>Central Office Port</u>					
Per Port					
-	OC3	155.52	Mbps	\$178.91	
-	DS3	44.736	Mbps	\$110.15	
-	DS1	1.544	Mbps	\$44.05	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)RateTariff
Section
ReferencePremium Access (Cont'd)

- Tandem Switched Transport
- Tandem Switched Facility
Per Access Minute Per Mile

\$.000128

6.1.3(A)(3)

- Tandem Switched Termination
Per Access Minute Per Termination

\$.000665

- Tandem Switching
Access Minute Per Tandem

\$.001675 Per

Network Blocking Per Blocked Call

Applies to FGD only

\$.010411

6.8.6

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)(A) Common Channel Signaling Network Connection

	<u>Rate</u>	<u>Tariff Section Reference</u>
(1) <u>Signaling Network Access Link</u> 6.10.3		
- Signaling Mileage Facility per mile	\$ 4.96	
- Signaling Mileage Termination per Termination	\$ 49.85	
- Signaling Entrance Facility per Facility	\$ 95.48	
		Nonrecurring <u>Charge</u>
		\$410.92
(2) <u>STP Port</u>		
- Per port	\$492.02	
(B) <u>800 Data Base Access Service Queries</u>		6.10.3
Per Query		
Basic	.003619	
Vertical Feature	.004000	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tariff
Section
Reference
6.10.3

- (C) ESALT Real Time CoS/QoS
Per ESALT Direct Trunked Facility, Per Option

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$9.72	\$48.60	\$151.23

- (D) ESALT Entrance Facility Protection Per
ESALT Entrance Facility

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$180.41	\$180.41	\$180.41

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.2 Switched Access Service(Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>
<u>Premium</u>	
Per Originating Access Minute	\$0.018283
Per Terminating Access Minute	\$0.0007

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) <u>Information Surcharge</u>	
- Premium Per 100 Originating Access Minutes	\$0.0335
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)

17.2.4 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)17.2.5 Directory Assistance ServiceRateTariff
Section
Reference(A) Directory Assistance Service

\$1.09

9.4.2

A Directory Assistance Service Charge applies for each call to Directory Assistance Service.

(B) RESERVED FOR FUTURE USE

(C) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth respectively in 9.4.8(A) and (B) preceding, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:

- | | | |
|--|----------|-------|
| (1) Credit per call
when Switched Access Service
is billed using nonpremium per
minute rates | \$0.0299 | 9.4.8 |
| (2) Credit per call
when Feature Group A or B
Switched Access Service is
billed using premium per minute
rates | \$0.0566 | 9.4.8 |
| (3) Credit per call
when Feature Group C or D
Switched Access Service is
billed using premium per minute
rates | \$0.0566 | 9.4.8 |

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Per Month Per Line or Trunk	Tariff Section Reference
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
	<u>Operator Transfer Service</u>	<u>Rate</u>	
17.2.10	Per Call Transferred	\$0.4904	6.10

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	Monthly <u>Rate</u>	Tariff Section <u>Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff
F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination	\$115.21	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$165.86	
(2) Channel Mileage Termination Per Termination	\$11.57	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$23.36	
(b) Series Bridging Per Port	\$23.36	
(5) DSL Access Service Connection		
(a) Per 10BASE-T	\$898.57	\$450.00
(b) Per 100BASE-T	\$4,664.41	\$650.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA
Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination		
- Two-Wire	\$115.21	\$450.00
- Four-Wire	\$230.53	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$13.83	
(2) Channel Mileage Termination Per Termination	\$138.60	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$23.36	
- Four-Wire	\$23.36	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA
Tariff F.C.C. No. 5.

	Monthly Rates	Nonrecurring Rates
(A) Channel Termination Per Termination		
- Two-Wire	\$193.46	\$450.00
- Four-Wire	\$309.54	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$13.82	
(2) Channel Mileage Termination Per Termination	\$138.51	
(C) Optional Features and Functions		
(1) Bridging		
(a) Voice Bridging Per Port		
- Two-Wire	\$23.36	
- Four-Wire	\$23.36	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.3 Special Access Service(Cont'd)17.3.4 Voice Grade Service(Cont'd)

(C) Optional Features and Functions (Cont'd)

(1) Bridging (Cont'd)

	<u>Monthly Rate</u>
(b) <u>Data Bridging</u> per port	
- Two-Wire	\$23.36
- Four-Wire	\$23.36
(c) <u>Telephone Bridging</u> per port	
- Two-Wire	\$23.36
- Four-Wire	\$23.36
(d) <u>DATAPHONE Select-A-Station Bridging</u>	
Sequential Arrangement, Ports Per channel connected	
- Two-Wire	\$79.63
- Four-Wire	\$422.24
Addressable Arrangement, Ports Per channel connected	
- Two-Wire	\$85.18
- Four-Wire	\$368.82
(e) <u>Telemetry and Alarm Bridging</u>	
Active Bridging Channel Connections	
Per channel connected	
- Split Band	\$37.20
- Summation	\$14.55
Passive Bridging Channel Connections	
Per channel connected	\$1.02

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

(D)

(2) Conditioning Per Termination

Monthly
Rate

- C-Type \$34.29

- Improved Attenuation Distortion* None

- Improved Envelope Delay Distortion* None

- Data Capability \$30.46

- Telephoto Capability \$32.36

- Sealing Current None

(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination

- Two-Wire \$49.02

- Four-Wire \$49.02

(4) Customer Specified Receive Level per two-wire termination \$37.04

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	<u>Monthly Rate</u>
(C) Optional Features and Functions (Cont'd)	
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$811.56
(6) Signaling Capability Per termination	\$78.48
(7) Selective Signaling Arrangement Per arrangement	\$23.36
(8) Transfer Arrangement (key activated* or Dial-Up**)	
- Per four port arrangement including control channel termination***	\$13.61
- Per five port arrangement including control channel termination***	\$31.23
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA
Tariff F.C.C. No. 5.

			Nonrecurring Charge	
	Monthly Rate	Daily* Rate	Monthly	Daily
(A) Channel Termination Per Termination				
- 200 to 3500 Hz	\$205.19	\$20.52	\$450.00	\$450.00
- 100 to 5000 Hz	\$357.28	\$35.72	\$450.00	\$450.00
- 50 to 8000 Hz	\$357.28	\$35.72	\$450.00	\$450.00
- 50 to 15000 Hz	\$357.28	\$35.72	\$450.00	\$450.00
(B) Channel Mileage				
(1) Channel Mileage Facility Per Mile	Monthly Rate	Daily* Rate		
- 200 to 3500 Hz	\$13.83	\$1.38		
- 100 to 5000 Hz	\$27.56	\$2.75		
- 50 to 8000 Hz	\$41.40	\$4.13		
- 50 to 15000 Hz	\$55.17	\$5.52		
(2) Channel Mileage Termination Per Termination				
- 200 to 3500 Hz	\$138.60	\$13.86		
- 100 to 5000 Hz	\$277.13	\$27.71		
- 50 to 8000 Hz	\$415.73	\$41.57		
- 50 to 15000 Hz	\$554.24	\$55.42		

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

	<u>Monthly Rate</u>	<u>Daily* Rate</u>
(C) Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$71.62	\$7.17
(2) Gain Conditioning per service	\$50.02	\$5.00
(3) Stereo per service	\$88.56	\$8.86

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

		Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>	
				<u>Monthly</u>	<u>Daily</u>
(A)	Channel Termination Per Termination				
	- TV-1 or 2	\$2,119.91	\$1,165.95	\$330.00	\$330.00
	- 4TV-5	\$2,119.91	\$1,165.95	330.00	330.00
	- 6TV-5	\$2,119.91	\$1,165.95	330.00	330.00
	- TV-15	\$2,119.91	\$116,594.95	330.00	330.00
(B)	Channel Mileage			<u>Monthly</u> <u>Rate</u>	<u>Daily*</u> <u>Rate</u>
	(1) Channel Mileage Facility Per Mile				
	- All			\$1,804.35	\$992.39
	(2) Channel Mileage Termination Per Termination				
	- All			\$1,922.45	\$1,057.36

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per termination		
- 2.4 kbps	\$357.90	\$390.00
- 4.8 kbps	\$357.90	390.00
- 9.6 kbps	\$357.90	390.00
- 19.2 kbps	\$357.90	390.00
- 56.0 kbps	\$357.90	390.00
- 64.0 kbps	\$357.90	390.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
- 2.4 kbps	\$13.13	
- 4.8 kbps	\$13.13	
- 9.6 kbps	\$13.13	
- 19.2 kbps	\$13.13	
- 56.0 kbps	\$18.52	
- 64.0 kbps	\$18.52	
(2) Channel Mileage Termination Per Termination		
- 2.4 kbps	\$131.58	
- 4.8 kbps	\$131.58	
- 9.6 kbps	\$131.58	
- 19.2 kbps	\$131.58	
- 56.0 kbps	\$186.99	
- 64.0 kbps	\$186.99	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)Monthly
Rate

(C) Optional Features and Functions

(1) Bridging Per port	\$31.44
(2) Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$22.28
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$111.43
- 4.8 kbps	\$111.43
- 9.6 kbps	\$111.43
- 56.0 kbps	\$111.43

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA
Tariff F.C.C. No. 5

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A)	Channel Termination Per Termination		
-	DS1 1.544 Mbps	\$889.92	\$330.00
-	DS1C 3.152 Mbps	ICB	ICB
-	DS2 6.312 Mbps	ICB	ICB
-	Capacity of 1 DS3 44.736 Mbps Interface	\$7,339.87	
-	per DS3 Channel Installed	\$0.00	\$445.00
-	DS4 274.176 Mbps	ICB	ICB
		<u>Monthly Rate</u>	
(B)	Channel Mileage		
	(1) Channel Mileage Facility		
	Per Mile		
	- 64 kbps*		\$18.52
	- 1.544 Mbps		\$55.14
	- 3.152 Mbps		ICB
	- 6.312 Mbps		ICB
	- 44.736 Mbps		\$479.83
	- 274.176 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination <u>Rate Per Termination</u>	<u>Monthly</u>
- 64 kbps*	\$186.99
- 1.544 Mbps	\$285.33
- 3.152 Mbps	ICB
- 6.312 Mbps	ICB
- 44.736 Mbps	\$1,835.26
- 274.176 Mbps	ICB

(C) Term Discounts Percentage DS1
and DS3 services

36 months	10%
60 months	20%

(D) Optional Features and Functions Monthly Rate

(1) Multiplexing, per arrangement	
DS4 to DS1	ICB
DS3 to DS1	\$1,701.74
DS2 to DS1	ICB
DS1C to DS1	ICB
DS1 to Voice **	\$702.32
DS1 to DS0	\$702.32
DS0 to Subrates	
- Up to 20 2.4 kbps services	\$1,679.10
- Up to 10 4.8 kbps services	\$1,140.98
- Up to 5 9.6 kbps services	\$1,011.76

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(2) Automatic Loop Transfer Per arrangement*	\$566.85	
(3) Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$617.84	
(4) Clear Channel Capability - per 1.544 Mbps transmission path	None	
(5) Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None	
(E) Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps	\$321.49	
- Automatic Loop Transfer	\$1,291.67	
(H) DSL Access Service Connection	-	
- per 1.544 Mbps	\$898.57	\$450.00
-per 44.736 Mpbs	\$6,247.42	\$650.00

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.10 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination Per Termination		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>	-
-	OC3/OC3c 155.52 Mbps	\$7,494.64	\$360.00	
-	OC12 622.08 Mbps	\$9,371.54	\$360.00	
(B) Channel Mileage Facility Per Mile				
-	OC3/OC3c 155.52 Mbps	\$514.38		
-	OC12 622.08 Mbps	\$645.85		
(C) Channel Mileage Termination Per Termination				
-	OC3/OC3c 155.52 Mbps	\$1,912.82		
-	OC12 622.08 Mbps	\$4,167.75		
(D) Term Discounts				
-	OC3/OC3c and OC12 Services	<u>Percentage</u>		
	36 months	10%		
	60 months	20%		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(A) Optional Features and Functions

		Monthly Rate	Nonrecurring Charge
(1) Customer Node Per Node			
- OC3/OC3c	155.52 Mbps	\$1,741.24	\$640.00
OC12	622.08 Mbps	\$5,030.21	\$640.00
Customer Premises Port Per Port			
- OC3/OC3c	155.52 Mbps	\$668.73	
- STS-1	51.84 Mbps	\$686.00	\$640.00
DS3	44.736 Mbps	\$686.00	\$640.00
DS1	1.544 Mbps	\$175.83	\$640.00
(2) Add/Drop Multiplexing Central Office Port			
Per Port			
- OC3/OC3c	155.52 Mbps	\$679.13	
DS3	44.736 Mbps	\$351.73	
DS1	1.544 Mbps	\$140.71	
(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility			
- OC3/Oc3c		None	
OC12		None	
(4) DSL Access Service Connection			
- Per OC3/OC3c		\$10,932.71	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services17.3.1 Access Ordering

	<u>Charge</u>	<u>Tariff Section Reference</u>
(A) access Order Charge Per Order	\$86.00	5.4.1
(B) Service Date Change Charge A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The application charge is: Service Date Change Charge, per order	\$60.00	
(B) Design Change Charge The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is: Design Change Charge, per order	\$84.00	5.4.3
(C) Miscellaneous Service Order Charge Per Occurrence	\$123.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled workday, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Installation or Repair			
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$47.57*	13.2.1 & 13.2.2
-	Premium Time, outside of scheduled workday, per technician	\$63.42*	13.2.1 & 13.2.2
(B) Stand by			
-	Basic time, normally scheduled working hours, per technician	\$21.18*	13.2.3
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$31.77*	13.2.3
-	Premium Time, outside of scheduled workday, per technician	\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>		
		<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>Tariff Section Reference</u>
(C)	Testing and Maintenance with other Telephone Companies, or Other Labor			
	- Basic Time per technician normally scheduled working hours	\$31.71	\$34.66	13.2.4 & 13.2.5
	- Overtime per technician outside of normally scheduled working hours on a scheduled workday,	\$47.57*	\$51.99*	13.2.4 & 13.2.5
	- Premium Time per technician outside of scheduled workday	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing - Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing - Switched Access

To First Point
of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing - Switched AccessTo First Point
of Switching

Additional Tests

Each Half Hour
or Fraction
ThereofTariff
Section
Reference

Gain-Slope,

C-Notched Noise and
any other agreed to
tests, per technicianSee the rates
for Additional
Labor as set
forth in 17.4.3(C) preceding

13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing - Special AccessTesting PeriodsEach Half
Hour or
Fraction
ThereofTariff
Section
ReferenceBasic Time, Overtime*
and Premium Time*See the rates
for Additional
Labor as set
forth in 17.4.3 (C) preceding.

13.3.1(B)(1)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(E) Additional Manual Testing - Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(B)(2)

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.2

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

(I) Presubscribed Interexchange
Carrier (PIC) Change Charge*

13.4(J)

Per Telephone Exchange Service
Line or trunk for each interLATA
PIC change:

(1) Submitted using manual methods	\$5.50
(2) Submitted using electronic methods	\$1.25
(3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75
(4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associate charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(K) Blocking Service*

	Nonrecurring <u>Charge</u>	Tariff Section <u>Reference</u>
- Per exchange service line, or trunk and/ or per Feature Group A Switched Access Line	\$11.20	13.8

(L) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$ 0.33	13.9.4(A)
- Optional Magnetic Tape Charge-Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge		
- Per each half hour or fraction thereof	\$37.20	13.9.4(C)

(M) Originating Line Screening (OLS) Service

- Per exchange service line	\$ 7.95	13.10
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(N) Coin Supervision Additive Service

	Monthly <u>Rate</u>	
- Per exchange service line	\$ 2.21	13.12

- * Blocking access to 900 Service is offered to all subscribers at no charge
- from November 1, 1993 through December 31, 1993 and
 - at the time telephone service is established at a new number and for 60 days thereafter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.4 Other Services(Cont'd)17.4.4 Miscellaneous Services(Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>
Residence	
- Individual line or trunk, each – Hokah exchange	\$0.00
- Individual line or trunk, each – all other exchanges	\$2.47
(2) <u>Access Recovery Charge (ARC)</u>	
Single Line Business	
- Individual line or trunk, each	\$3.00
(3) <u>Access Recovery Charge (ARC)</u>	
Multi Line Business	
- Individual line or trunk, each	\$3.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		

(B) Wideband Digital Special Access Service

	<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each	ICB rates and charges apply		
	Type II, each	ICB rates and charges apply		
	Type III, each	ICB rates and charges apply		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.6 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, combined, the rates and charges will be developed on an individual case basis. (Reserved for future use.)

(D) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Specialized Service or Arrangements

None

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access
Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
Connections		
(1) Frame Relay Access Connection (FRAC) (per FRAC)		
56.0 kbps	\$616.43	\$345.00
64.0 kbps	\$616.43	\$345.00
1.544 Mbps	\$1,311.18	\$345.00
44.736 Mbps	\$9,731.68	\$345.00
(2) Frame Relay Inter-network Connection (FRIC) (per FRIC)		
1.544 Mbps	\$1,311.18	\$345.00
44.736 Mbps	\$9,731.68	\$345.00
(3) End User Port (per port)		
56.0 kbps	\$251.34	
64.0 kbps	\$251.34	
1.544 Mbps	\$585.30	
44.736 Mbps	\$4,458.05	
(4) Inter-network Customer Port (per port)		
1.544 Mbps	\$585.30	
44.736 Mbps	\$4,458.05	
(5) Term Discounts		<u>Percentage</u>
36 months		10%
60 months		20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

CIRMonthly
Rate

8 kbps	\$17.94
16 kbps	\$17.94
28 kbps	\$21.51
32 kbps	\$21.51
56 kbps	\$25.18
64 kbps	\$25.18
128 kbps	\$32.25
192 kbps	\$43.09
256 kbps	\$50.27
384 kbps	\$71.83
512 kbps	\$100.51
768 kbps	\$129.26

(b) Extended

CIRMonthly
Rate

8 kbps	\$21.51
16 kbps	\$21.51
28 kbps	\$27.27
32 kbps	\$27.27
56 kbps	\$53.26
64 kbps	\$53.26
128 kbps	\$116.67
192 kbps	\$157.04
256 kbps	\$208.87
384 kbps	\$334.51
512 kbps	\$417.82
768 kbps	\$625.44

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

Capacity	Monthly Rate	Nonrecurring Charge
1.544 Mbps	\$1,604.76	\$390.00
44.736 Mbps	\$8,915.03	\$390.00
155.52 Mbps	\$13,814.01	\$390.00
622.08 Mbps	\$20,051.69	\$390.00

(b) Per Ethernet-based UNI or NNI Port

Capacity	Monthly Rate	Nonrecurring Charge
10 Mbps	\$2,471.64	\$1,780.00
100 Mbps	\$4,664.41	\$1,780.00
1 Gbps	\$9,019.86	\$3,233.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

Monthly

Nonrecurring

Rate

Charge

\$17.94

\$64.00

(b) Capacity Charge, Per Megabit of
Capacity, Per Path

-Path Size 1 to 50 Mbps

CBRVBR-rtVBR-nrtUBR

\$103.25

\$82.59

\$62.00

\$51.64

- Path Size 51 to 150 Mbps

\$92.92

\$72.27

\$51.63

\$41.28

- Path Size Over 150 Mbps

\$72.27

\$51.63

\$41.28

\$30.95

(3)

Virtual Circuit Channels, Per Virtual Circuit Channel

Monthly

Nonrecurring

Rate

Charge

\$17.67

\$64.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(3) Optional Features and Functions

(a) DSL Access Service Connection

Per Basic Uni or NNI Port			
(i)	Equipped	Nonrecurring	
	<u>Port Speed</u>	<u>Charge</u>	
	1.544 Mbps	\$450.00	
	44.736 Mbps	\$650.00	
	155.52 Mbps	\$1,200.00	
	622.08 Mbps	\$1,608.00	
(ii)	Per Ethernet-based UNI or NNI Port Equipped	Nonrecurring	
	<u>Port Speed</u>	<u>Charge</u>	
	10 Mbps	\$450.00	
	100 Mbps	\$650.00	
	1 Gbps	\$1,608.00	
(iii)	Per 1 Mbps DSL VCC	Nonrecurring	
	<u>Monthly Rate</u>	<u>Charge</u>	
	\$105.91	\$64.00	
(iv)	<u>Per MM-VCC</u>	Nonrecurring	
	Per 1 Mbps	Charge Per MM-VCC	
	<u>Increment</u>	<u>Per 4 Mbps Increment</u>	
	\$6.97	\$13.47	\$7.00
(v)	<u>Per MM-VCC Design Change</u>	<u>Nonrecurring Charge</u>	
		\$6.00	
ATM0CRS Term Discount			
(5)	Plan		
	<u>Term Commitment</u>	<u>Percentage</u>	
	36 months	10%	
	60 months	20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

(a) Per termination when customer designated premises located within 300 feet of ETS SWC

Capacity	Monthly Rate	Nonrecurring Charge
2 Mbps	\$203.13	\$295.00
5 Mbps	\$249.56	\$295.00
10 Mbps	\$288.26	\$295.00
20 Mbps	\$315.34	\$295.00
50 Mbps	\$365.64	\$295.00
100 Mbps	\$406.27	\$295.00
200 Mbps	\$521.05	\$295.00
250 Mbps	\$578.45	\$295.00
300 Mbps	\$614.43	\$295.00
400 Mbps	\$650.41	\$295.00
500 Mbps	\$758.36	\$442.00
600 Mbps	\$782.74	\$442.00
700 Mbps	\$807.12	\$442.00
750 Mbps	\$880.24	\$442.00
800 Mbps	\$905.78	\$442.00
900 Mbps	\$931.32	\$442.00
1 Gbps	\$1,007.93	\$442.00
2.5 Gbps	\$1,948.14	\$442.00
5 Gbps	\$2,956.07	\$442.00
10 Gbps	\$4,041.38	\$442.00

Per termination when customer designated premises located more than 300 feet from ETS SWC

Capacity	Monthly Rate	Nonrecurring Charge
2 Mbps	\$768.04	\$295.00
5 Mbps	\$775.77	\$295.00
10 Mbps	\$787.38	\$295.00
20 Mbps	\$889.92	\$295.00
50 Mbps	\$1,005.99	\$295.00
100 Mbps	\$1,052.42	\$295.00
200 Mbps	\$1,083.38	\$295.00
250 Mbps	\$1,098.85	\$295.00
300 Mbps	\$1,170.05	\$295.00
400 Mbps	\$1,241.24	\$295.00
500 Mbps	\$1,454.82	\$442.00
600 Mbps	\$1,498.54	\$442.00
700 Mbps	\$1,542.26	\$442.00
750 Mbps	\$1,673.43	\$442.00
800 Mbps	\$1,726.44	\$442.00
900 Mbps	\$1,779.45	\$442.00
1 Gbps	\$1,938.47	\$442.00
2.5 Gbps	\$3,741.52	\$442.00
5 Gbps	\$5,683.85	\$442.00
10 Gbps	\$7,765.48	\$442.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$277.86	\$259.00
5 Mbps	\$308.42	\$259.00
10 Mbps	\$338.99	\$259.00
20 Mbps	\$377.89	\$259.00
50 Mbps	\$400.12	\$259.00
100 Mbps	\$436.24	\$259.00
200 Mbps	\$547.38	\$259.00
250 Mbps	\$602.96	\$259.00
300 Mbps	\$635.19	\$259.00
400 Mbps	\$699.65	\$259.00
500 Mbps	\$764.12	\$388.00
600 Mbps	\$804.68	\$388.00
700 Mbps	\$885.82	\$388.00
750 Mbps	\$966.95	\$388.00
800 Mbps	\$1,006.41	\$388.00
900 Mbps	\$1,085.32	\$388.00
1 Gbps	\$1,164.23	\$388.00
2.5 Gbps	\$2,233.99	\$388.00
5 Gbps	\$3,398.23	\$388.00
10 Gbps	\$4,648.60	\$388.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$4,531.67	\$175.00
155.52 Mbps	\$5,438.01	\$262.00
622.08 Mbps	\$9,063.36	\$262.00

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.68	\$3.44

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Interaswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Rate</u>	<u>Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
200 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00
300 Mbps	\$0.00	\$205.00
400 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.96	\$1.89	
<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
600 Mbps	\$0.00	\$307.00
700 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
800 Mbps	\$0.00	\$307.00
900 Mbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500 Mbps to 900 mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.54	\$1.07

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Rate</u>	<u>Charge</u>
1 Gbps	\$0.00	\$307.00
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 1 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.38	\$0.76

(b) Per Interswitch ETSEVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$119.48	\$205.00
5 Mbps	\$161.16	\$205.00
10 Mbps	\$302.87	\$205.00
20 Mbps	\$602.96	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$5.66	\$11.38

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$814.13	\$205.00
100 Mbps	\$1,300.38	\$205.00
200 Mbps	\$2,217.32	\$205.00
250 Mbps	\$2,675.79	\$205.00
300 Mbps	\$3,032.56	\$205.00
400 Mbps	\$3,746.11	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$3.44	\$6.89

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$4,459.65	\$307.00
600 Mbps	\$4,753.07	\$307.00
700 Mbps	\$5,339.91	\$307.00
750 Mbps	\$5,926.75	\$307.00
800 Mbps	\$6,292.97	\$307.00
900 Mbps	\$7,025.41	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500Mbps to 900 mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$2.07	\$4.09

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$7,757.85	\$307.00
2.5 Gbps	\$14,943.31	\$307.00
5 Gbps	\$22,706.72	\$307.00
10 Gbps	\$31,059.19	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Gbps to 10 Gbps

<u>Monthly Rate Per CoS Level, Per Megabit</u>	
Near Real Time CoS	Real Time CoS/QoS
\$1.30	\$2.57

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
2 Mbps	\$80.58	\$410.00
5 Mbps	\$100.03	\$410.00
10 Mbps	\$180.61	\$410.00
20 Mbps	\$361.22	\$410.00
50 Mbps	\$541.83	\$410.00
100 Mbps	\$872.48	\$410.00
200 Mbps	\$1,502.30	\$410.00
250 Mbps	\$1,817.20	\$410.00
300 Mbps	\$2,016.15	\$410.00
400 Mbps	\$2,414.05	\$410.00
500 Mbps	\$2,811.94	\$615.00
600 Mbps	\$3,014.23	\$615.00
700 Mbps	\$3,418.79	\$615.00
750 Mbps	\$3,823.35	\$615.00
800 Mbps	\$4,028.41	\$615.00
900 Mbps	\$4,438.54	\$615.00
1 Gbps	\$4,848.66	\$615.00
2.5 Gbps	\$9,349.99	\$615.00
5 Gbps	\$14,201.42	\$615.00
10 Gbps	\$19,411.30	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$94.83	\$410.00
5 Mbps	\$123.09	\$410.00
10 Mbps	\$238.73	\$410.00
20 Mbps	\$453.49	\$410.00
50 Mbps	\$751.23	\$410.00
100 Mbps	\$1,061.17	\$410.00
200 Mbps	\$1,963.57	\$410.00
250 Mbps	\$2,414.77	\$410.00
300 Mbps	\$2,593.49	\$410.00
400 Mbps	\$2,950.91	\$410.00
500 Mbps	\$3,308.34	\$615.00
600 Mbps	\$3,760.19	\$615.00
700 Mbps	\$4,212.04	\$615.00
750 Mbps	\$4,437.96	\$615.00
800 Mbps	\$4,673.96	\$615.00
900 Mbps	\$5,145.95	\$615.00
1 Gbps	\$5,617.94	\$615.00
2.5 Gbps	\$10,813.37	\$615.00
5 Gbps	\$16,433.65	\$615.00
10 Gbps	\$22,468.87	\$615.00

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$158.81	\$410.00
5 Mbps	\$251.44	\$410.00
10 Mbps	\$489.65	\$410.00
20 Mbps	\$661.68	\$410.00
50 Mbps	\$1,338.83	\$410.00
100 Mbps	\$1,632.10	\$410.00
200 Mbps	\$2,431.15	\$410.00
250 Mbps	\$2,830.67	\$410.00
300 Mbps	\$3,039.78	\$410.00
400 Mbps	\$3,458.01	\$410.00
500 Mbps	\$3,876.23	\$615.00
600 Mbps	\$4,411.76	\$615.00
700 Mbps	\$4,947.28	\$615.00
750 Mbps	\$5,215.05	\$615.00
800 Mbps	\$5,498.11	\$615.00
900 Mbps	\$6,064.25	\$615.00
1 Gbps	\$6,630.38	\$615.00
2.5 Gbps	\$12,766.13	\$615.00
5 Gbps	\$19,393.27	\$615.00
10 Gbps	\$26,520.83	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
200 Mbps	\$150.00
250 Mbps	\$150.00
300 Mbps	\$150.00
400 Mbps	\$150.00
500 Mbps	\$225.00
600 Mbps	\$225.00
700 Mbps	\$225.00
750 Mbps	\$225.00
800 Mbps	\$225.00
900 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00
44.736 Mbps	\$150.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$14.15	\$17.50	\$7.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

Monthly Rate
Per 64 kbps
\$0.67

Nonrecurring
Charge Per LBR-VCC
\$7.00

Nonrecurring
Charge
\$6.00

(b) Per ETS Design Change

(c) ETS Port Protection

(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps \$115.86

- 2.5 Gbps to 10 Gbps \$289.43

Monthly
Rate
\$115.86
\$289.43

Nonrecurring
Charge
\$560.00
\$560.00

(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

- 2 Mbps to 1 Gbps \$266.80

- 2.5 Gbps to 10 Gbps \$648.74

Monthly
Rate
\$266.80
\$648.74

Nonrecurring
Charge
\$560.00
\$560.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$11.65

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate

Per 10 Mbps

\$12.21

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate

Per 10 Mbps

\$14.56

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$97.83

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$66.37

- (vii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$144.59

- (viii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$211.31

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$174.62

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$255.21

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan Number of

<u>Committed ETS Ports In-Service on Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Association – Minnesota (Cont'd)17.4 Other Services (Cont'd)17.4.8 (D) Internet Protocol Gateway Access Service

RESERVED FOR FUTURE USE

17.4.9.1 Digital Subscriber Line Access Service

RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. - Allendale17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port

17.1.2 Regulations concerning End User Access Service are set forth in Section 4. of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for End User Access Service will be the same as those in Section 17.1.2 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)

17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)

17.1.3 Regulations concerning Federal Universal Service Charge (FUSC) are set forth in Section 3.9 of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for Federal Universal Service Charge (FUSC) will be the same as those in Section 17.1.3 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports

Regulations concerning ISDN Line Ports are set forth in Sections 3.10 of the NECA Tariff F.C.C. No.5. The rates and charges of the Telephone Company for ISDN Line Ports will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

17.1.5 DS1 Line Port

Regulations concerning DS1 Line Port are set forth in Section 3.11 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.5 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service

17.2.1	<u>Nonrecurring Charges</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
(A)	<u>Local Transport - Installation Per Entrance Facility</u>		6.4.1 (B) (1)
	- Voice Grade Two-Wire	\$481.03	
	- Voice Grade Four-Wire	\$481.03	
	- High Capacity DS1	\$352.76	
	- High Capacity DS3	\$475.69	
	- Synchronous Optical Channel OC3	\$384.82	
	- Synchronous Optical Channel OC12	\$384.82	
	- ESALT 2 Mbps	\$570.09	
	- ESALT 10 Mbps	\$570.09	
	- ESALT 50 Mbps	\$570.09	
(C)	<u>Interim NXX Translation Per Order</u>		
	- Per LATA or Market Area	\$235.17	6.4.1(B)(2)
(D)	<u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$472.47	6.4.1(B)(3)
(E)	<u>Trunk Activation</u>		<u>Per Order</u>
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$490.64	6.4.1(B)(1)
(F)	<u>ESALT Direct Trunked Termination</u>		
	- Per ESALT Direct Trunked Termination installed	\$375.60	6.4.1(B)(1)
(G)	<u>Flexible Automatic Number Identification (Flex ANI)</u>		
	- Per End Office, Per CIC	None	6.10.1(AA)
(H)	<u>ESALT Entrance Facility Protection</u>		
	- Per ESALT Entrance Facility	\$576.26	6.10.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
	<u>Premium Access</u>		
-	<u>Entrance Facility</u>		
	Per Termination		6.1.3(A)(1)
-	Voice Grade Two-Wire	\$27.27	
-	Voice Grade Four-Wire	\$43.64	
-	High Capacity DS1	\$132.96	
-	High Capacity DS3	\$1,213.94	
-	Synchronous Optical Channel OC3	\$1,237.86	
-	Synchronous Optical Channel OC12	\$1,321.64	
-	ESALT 2 Mbps	\$235.48	
-	ESALT 10 Mbps	\$253.81	
-	ESALT 50 Mbps	\$328.82	
-	<u>Direct Trunked Transport</u>		6.1.3(A)(2)
-	<u>Direct Trunked Facility</u>		
	Per Mile		
-	Voice Grade	\$1.94	
-	High Capacity DS1	\$9.12	
-	High Capacity DS3	\$79.35	
-	Synchronous Optical Channel OC3	\$84.93	
-	Synchronous Optical Channel OC12	\$106.61	
	Per DTF-E1 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
	Per DTF-E2 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
	Per DTF E-3 Facility		
-	ESALT 2 Mbps		
-	ESALT 10 Mbps		
-	ESALT 50 Mbps		
-	ESALT 2 Mbps	\$108.09	
-	ESALT 10 Mbps	\$333.26	
-	ESALT 50 Mbps	\$945.71	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service(Cont'd)

17.2.2	<u>Local Transport (Cont'd)</u>	<u>Rate</u>	Tariff Section <u>Reference</u>
	- <u>Direct Trunked Termination</u> Per Termination		
	- Voice Grade	\$19.51	
	- High Capacity DS1	\$47.26	
	- High Capacity DS3	\$303.48	
	- Synchronous Optical Channel OC3	\$315.99	
	- Synchronous Optical Channel OC12	\$687.99	
	- ESALT 2 Mbps	\$62.61	
	- ESALT 10 Mbps	\$76.53	
	- ESALT 50 Mbps	\$93.54	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)

17.2	<u>Switched Access Service (Cont'd)</u>				Tariff Section Reference
17.2.2	<u>Local Transport (Cont'd)</u>			<u>Rate</u>	<u>Reference</u>
	<u>Premium Access (Cont'd)</u>				Nonrecurring Charge
	- <u>Multiplexing</u>				
	Per Arrangement				
	- DS3 to DS1			\$276.89	
	- DS1 to Voice			\$106.90	
	- <u>Customer Node</u>				
	Per Node				
	- OC3	155.52	Mbps	\$287.43	\$674.33
	- OC12	622.08	Mbps	\$830.38	\$674.33
	- <u>Customer Premises Port</u>				6.1.3(A)(7)
	Per Port				
	- OC3	155.52	Mbps	\$94.32	
	- STS-1	51.84	Mbps	\$113.24	\$674.33
	- DS3	44.736	Mbps	\$113.24	\$674.33
	- DS1	1.544	Mbps	\$29.02	\$674.33
	- <u>Add/Drop Multiplexing</u>				6.1.3(A)(6)
	<u>Central Office Port</u>				
	Per Port				
	- OC3	155.52	Mbps	\$94.32	
	- DS3	44.736	Mbps	\$58.07	
	- DS1	1.544	Mbps	\$23.23	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)

17.2	<u>Switched Access Service (Cont'd)</u>		Tariff Section Reference
17.2.2	<u>Local Transport (Cont'd)</u>	<u>Rate</u>	<u>Reference</u>
	<u>Premium Access (Cont'd)</u>		
	- <u>Tandem Switched Transport</u>		6.1.3(A)(3)
	- <u>Tandem Switched Facility</u>	\$.000163	
	Per Access Minute Per Mile		
	- <u>Tandem Switched Termination</u>	\$.000849	
	Per Access Minute Per Termination		
	- <u>Tandem Switching</u>	\$.002140	
	Per Access Minute Per Tandem		
	<u>Network Blocking Per Blocked Call</u>		
	Applies to FGD only	\$.013300	6.8.6

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2.2 Local Transport (Cont'd)(A) Common Channel Signaling Network Connection

	<u>Rate</u>	<u>Tariff Section Reference</u>
(1) <u>Signaling Network Access Link</u>		6.10.3
- Signaling Mileage Facility per mile	\$ 2.62	
- Signaling Mileage Termination per Termination	\$ 26.28	
- Signaling Entrance Facility per Facility	\$ 50.33	
		<u>Nonrecurring Charge</u>
		\$410.92
(2) <u>STP Port</u>		
- Per port	\$259.36	
(B) <u>800 Data Base Access Service Queries</u>		6.10.3
Per Query		
Basic	.004623	
Vertical Feature	.005109	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2.2 Local Transport (Cont'd)Tariff
Section
Reference
6.10.3

- (C) ESALT Real Time CoS/QoS
Per ESALT Direct Trunked Facility, Per Option

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$5.13	\$25.62	\$79.69

- (D) ESALT Entrance Facility Protection Per
ESALT Entrance Facility

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$230.46	\$230.46	\$230.46

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.2 Switched Access Service(Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>
<u>Premium</u>	
Per Originating Access Minute	\$.038926
Per Terminating Access Minute	\$.0007

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) <u>Information Surcharge</u>	
- Premium Per 100 Originating Access Minutes	\$0.0428
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)

17.2.4 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service (Cont'd)17.2.5 Directory Assistance ServiceRateTariff
Section
Reference(A) Directory Assistance Service

\$1.09

9.4.2

A Directory Assistance Service Charge applies for each call to Directory Assistance Service.

(B) RESERVED FOR FUTURE USE

(C) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth respectively in 9.4.8(A) and (B) preceding, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:

- | | | |
|--|----------|-------|
| (1) Credit per call
when Switched Access Service
is billed using nonpremium
per minute rates | \$0.0299 | 9.4.8 |
| (2) Credit per call
when Feature Group A or B
Switched Access Service is
billed using premium per
minute rates | \$0.0566 | 9.4.8 |
| (3) Credit per call
when Feature Group C or D
Switched Access Service is
billed using premium per
minute rates | \$0.0566 | 9.4.8 |

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Per Month Per Line or Trunk	Tariff Section Reference
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
		<u>Rate</u>	
17.2.11	<u>Operator Transfer Service</u>		
	Per Call Transferred	\$0.4904	6.10

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	Monthly <u>Rate</u>	Tariff Section <u>Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff
F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Rate</u>
(A) Channel Termination Per Termination	\$59.06	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$85.02	
(2) Channel Mileage Termination Per Termination	\$5.92	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$11.98	
(b) Series Bridging Per Port	\$11.98	
(6) DSL Access Service Connection		
(a) Per 10BASE-T	\$460.67	\$450.00
(b) Per 100BASE-T	\$2,391.27	\$650.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA
Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination		
- Two-Wire	\$59.06	\$450.00
- Four-Wire	\$118.18	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$7.08	
(2) Channel Mileage Termination Per Termination	\$71.05	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$11.98	
- Four-Wire	\$11.98	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
(A) Channel Termination Per Termination		
- Two-Wire	\$99.21	\$450.00
- Four-Wire	\$158.74	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$7.08	
(2) Channel Mileage Termination Per Termination	\$71.04	
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
- Two-Wire	\$11.98	
- Four-Wire	\$11.98	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)(C) Optional Features and Functions (Cont'd)(1) Bridging (Cont'd)(b) Data Bridging per port

- Two-Wire	\$11.98
- Four-Wire	\$11.98

(c) Telephone Bridging per port

- Two-Wire	\$11.98
- Four-Wire	\$11.98

(d) DATAPHONE Select-A-Station Bridging

Sequential Arrangement, Ports Per channel connected

- Two-Wire	\$40.82
- Four-Wire	\$216.47

Addressable Arrangement, Ports Per channel connected

- Two-Wire	\$43.66
- Four-Wire	\$189.09

(e) Telemetry and Alarm Bridging

Active Bridging Channel Connections

Per channel connected

- Split Band	\$19.06
- Summation	\$7.47

Passive Bridging Channel Connections

Per channel connected	\$0.52
-----------------------	--------

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.4 Voice Grade Service(Cont'd)

(C) Optional Features and Functions (Cont'd)

(2) Conditioning Per Termination	Monthly Rate
- C-Type	\$17.58
- Improved Attenuation Distortion*	None
- Improved Envelope Delay Distortion*	None
- Data Capability	\$15.62
- Telephoto Capability	\$16.59
- Sealing Current	None
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination	
- Two-Wire	\$25.13
- Four-Wire	\$25.13
(4) Customer Specified Receive Level per two-wire termination	\$18.99

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.4 Voice Grade Service(Cont'd)

(C) Optional Features and Functions (Cont'd)

	Monthly Rate
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$416.06
(6) Signaling Capability Per termination	\$40.23
(7) Selective Signaling Arrangement Per arrangement	\$11.98
(8) Transfer Arrangement (key activated* or Dial-Up**)	
- Per four port arrangement including control channel termination***	\$4.06
- Per five port arrangement including control channel termination***	\$9.31
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

		Monthly <u>Rate</u>	Daily* <u>Rate</u>	Nonrecurring <u>Charge</u>	
				<u>Monthly</u>	<u>Daily</u>
				Nonrecurring <u>Charge</u>	
(A)	Channel Termination Per Termination	Monthly Rate	Daily* Rate	Monthly	Daily
	- 200 to 3500 Hz	\$105.20	\$10.52	\$450.00	\$450.00
	- 100 to 5000 Hz	\$183.17	\$18.31	\$450.00	\$450.00
	- 50 to 8000 Hz	\$183.17	\$18.31	\$450.00	\$450.00
	- 50 to 15000 Hz	\$183.17	\$18.31	\$450.00	\$450.00
(B)	Channel Mileage				
	(1) Channel Mileage Facility Per Mile			Monthly <u>Rate</u>	Daily* <u>Rate</u>
	- 200 to 3500 Hz			\$7.08	\$0.71
	- 100 to 5000 Hz			\$14.14	\$1.41
	- 50 to 8000 Hz			\$21.22	\$2.12
	- 50 to 15000 Hz			\$28.29	\$2.83
	(2) Channel Mileage Termination Per Termination				
	- 200 to 3500 Hz			\$71.05	\$7.11
	- 100 to 5000 Hz			\$142.06	\$14.21
	- 50 to 8000 Hz			\$213.13	\$21.31
	- 50 to 15000 Hz			\$284.14	\$28.41

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.5 Program Audio Service(Cont'd)

	Monthly Rate	Daily* Rate
(C) Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$36.71	\$3.68
(2) Gain Conditioning per service	\$25.64	\$2.56
(3) Stereo per service	\$45.40	\$4.54

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

	<u>Monthly</u> <u>Rate</u>	<u>Daily*</u> <u>Rate</u>	Nonrecurring <u>Monthly</u> <u>Rate</u>	<u>Daily*</u> <u>Rate</u>
(A) Channel Termination				
Per Termination				
- TV-1 or 2	\$1,086.80	\$597.74	\$330.00	\$330.00
- 4TV-5	\$1,086.80	\$597.74	\$330.00	\$330.00
- 6TV-5	\$1,086.80	\$597.74	\$330.00	\$330.00
- TV-15	\$1,086.80	\$597.74	\$330.00	\$330.00
(B) Channel Mileage			<u>Monthly</u> <u>Rate</u>	<u>Daily*</u> <u>Rate</u>
(1) Channel Mileage Facility				
Per Mile				
- All			\$925.02	\$359.80
(2) Channel Mileage Termination				
Per Termination				
- All			\$985.57	\$383.35

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per termination		
- 2.4 kbps	\$183.54	\$390.00
- 4.8 kbps	\$183.54	390.00
- 9.6 kbps	\$183.54	390.00
- 19.2 kbps	\$183.54	390.00
- 56.0 kbps	\$183.54	390.00
- 64.0 kbps	\$183.54	390.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
- 2.4 kbps	\$6.73	
- 4.8 kbps	\$6.73	
- 9.6 kbps	\$6.73	
- 19.2 kbps	\$6.73	
- 56.0 kbps	\$9.56	
- 64.0 kbps	\$9.56	
(2) Channel Mileage Termination Per Termination		
- 2.4 kbps	\$67.49	
- 4.8 kbps	\$67.49	
- 9.6 kbps	\$67.49	
- 19.2 kbps	\$67.49	
- 56.0 kbps	\$95.90	
- 64.0 kbps	\$95.90	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service(Cont'd)17.3.7 Digital Data Service(Cont'd)

(C) Optional Features and Functions

	<u>Monthly Rate</u>
(1) Bridging Per port	\$16.12
(2) Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$11.43
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB

(D) Channel Service Unit Per Termination****

- 2.4 kbps	\$57.11
- 4.8 kbps	\$57.11
- 9.6 kbps	\$57.11
- 56.0 kbps	\$57.11

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA
Tariff F.C.C. No. 5

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
- DS1 1.544 Mbps	\$456.37	\$330.00
- DS1C 3.152 Mbps	ICB	ICB
- DS2 6.312 Mbps	ICB	ICB
- Capacity of 1 DS3 44.736 Mbps Interface	\$3,764.03	
- per DS3 Channel Installed	\$0.00	\$445.00
- DS4 274.176 Mbps	ICB	ICB
		<u>Monthly Rate</u>
(B) Channel Mileage		
(1) Channel Mileage Facility		
Per Mile		
- 64 kbps*		\$9.56
- 1.544 Mbps		\$28.25
- 3.152 Mbps		ICB
- 6.312 Mbps		ICB
- 44.736 Mbps		\$245.96
- 274.176 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service(Cont'd)

(A) Channel Mileage (Cont'd)

(2) Channel Mileage Termination

Per Termination

- 64 kbps*

- 1.544 Mbps

- 3.152 Mbps

- 6.312 Mbps

- 44.736 Mbps

- 274.176 Mbps

Monthly Rate

\$95.50

\$146.34

ICB

ICB

\$941.28

ICB

(C) Term Discounts

DS1 and DS3 services

36 months

60 months

Percentage

10%

20%

(D) Optional Features and Functions

Monthly Rate

(1) Multiplexing, per arrangement

DS4 to DS1

DS3 to DS1

DS2 to DS1

DS1C to DS1

DS1 to Voice **

DS1 to DS0

DS0 to Subrates

- Up to 20 2.4 kbps services

- Up to 10 4.8 kbps services

- Up to 5 9.6 kbps services

ICB

\$872.42

ICB

ICB

\$360.05

\$360.05

\$860.81

\$584.93

\$518.68

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3.8 High Capacity Service(Cont'd)

(D) Optional Features and Functions (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
(2) Automatic Loop Transfer Per arrangement*	\$290.61	
(3) Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination***	\$316.75	
Clear Channel Capability - per 1.544 Mbps transmission path	None	
(5) Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None	
(E) Network Channel Terminating Equipment (NCTE) Per termination		
- 1.544 Mbps	\$164.82	
- Automatic Loop Transfer	\$662.20	
(I) DSL Access Service Connection		
- Per 1.544 Mbps	\$460.67	\$450.00
- Per 44.736 Mbps	\$3,199.09	\$650.00

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)

17.3 Special Access Service (Cont'd)

17.3.10 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination Per Termination		Monthly Rate	Nonrecurring Charge
- OC3/OC3c	155.52 Mbps	\$3,843.40	\$360.00
- OC12	622.08 Mbps	\$4,804.46	\$360.00
(B) Channel Mileage Facility Per Mile			
- OC3/OC3c	155.52 Mbps	\$263.66	
- OC12	622.08 Mbps	\$331.10	
(C) Channel Mileage Termination Per Termination			
- OC3/OC3c	155.52 Mbps	\$981.06	
- OC12	622.08 Mbps	\$2,136.65	
(D) Term Discount OC3/OC3c and OC12 Services			
		<u>Percentage</u>	
36 months		10%	
60 months		20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1) Customer Node Per Node			
- OC3/OC3c	155.52 Mbps	\$892.67	\$640.00
- OC12	622.08 Mbps	\$2,578.80	\$640.00
Customer Premises Port Per Port			
- OC3/OC3c	155.52 Mbps	\$342.84	
- STS-1	51.84 Mbps	\$351.69	\$640.00
- DS3	44.736 Mbps	\$351.69	\$640.00
- DS1	1.544 Mbps	\$90.14	\$640.00
(2) Add/Drop Multiplexing Central Office Port Per Port			
- OC3/OC3c	155.52 Mbps	\$342.84	
- DS3	44.736 Mbps	\$180.31	
- DS1	1.544 Mbps	\$72.14	
(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility			
- OC3/OC3c		None	
- OC12		None	
(4) DSL Access Service Connection			
- Per OC3/OC3c		\$5,604.81	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services17.4.1 Access Ordering

	Charge	Tariff Section Reference
(A) Access Order Charge		
Per Order	\$86.00	5.4.1
(B) Service Date Change Charge		
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The application charge is:		
Service Date Change Charge, per order	\$60.00	
(B) Design Change Charge		
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:		
Design Change Charge, per order	\$84.00	5.4.3
(C) Miscellaneous Service Order Charge		
Per Occurrence	\$123.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled workday, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Installation or Repair			
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$47.57*	13.2.1 & 13.2.2
-	Premium Time, outside of scheduled workday, per technician	\$63.42*	13.2.1 & 13.2.2
(B) Stand by			
-	Basic time, normally scheduled working hours, per technician	\$21.18*	13.2.3
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$31.77*	13.2.3
-	Premium Time, outside of scheduled workday, per technician	\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>		
		<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>Tariff Section Reference</u>
(B)	Testing and Maintenance with other Telephone Companies, or Other Labor			
	- Basic Time per technician normally scheduled working hours	\$31.71	\$34.66	13.2.4 & 13.2.5
	- Overtime per technician outside of normally scheduled working hours on a scheduled workday,	\$47.57*	\$51.99*	13.2.4 & 13.2.5
	- Premium Time per technician outside of scheduled workday	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing - Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing - Switched Access

To First Point
of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing - Switched AccessTo First Point
of Switching

Additional Tests

Each Half Hour
or Fraction
ThereofTariff
Section
Reference

Gain-Slope,

C-Notched Noise and
any other agreed to
tests, per technicianSee the rates
for Additional
Labor as set
forth in 17.4.3(C) preceding

13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing - Special AccessTesting PeriodsEach Half
Hour or
Fraction
ThereofTariff
Section
ReferenceBasic Time, Overtime*
and Premium Time*
for Additional

See the rates

13.3.1(B)(1)

Labor as set
forth in 17.4.3 (C) preceding.

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(E) Additional Manual Testing - Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(B)(2)

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.2

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

(I) Presubscribed Interexchange
Carrier (PIC) Change Charge*

13.4(J)

Per Telephone Exchange Service
Line or trunk for each interLATA
PIC change:

(1) Submitted using manual methods	\$5.50
(2) Submitted using electronic methods	\$1.25
(3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75
(4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associate charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(K) Blocking Service*

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
- Per exchange service line, or trunk and/ or per Feature Group A Switched Access Line	\$11.20	13.8
(L) <u>Billing Name and Address Service</u>		
- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$ 0.33	13.9.4(A)
- Optional Magnetic Tape Charge-Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge		
- Per each half hour or fraction thereof	\$37.20	13.9.4(C)
(M) <u>Originating Line Screening (OLS) Service</u>		
- Per exchange service line	\$ 7.95	13.10
(N) <u>Coin Supervision Additive Service</u>		
	<u>Monthly Rate</u>	
- Per exchange service line	\$ 2.21	13.12

- * Blocking access to 900 Service is offered to all subscribers at no charge
- (a) from November 1, 1993 through December 31, 1993 and
 - (b) at the time telephone service is established at a new number and for 60 days thereafter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services(Cont'd)17.4.4 Miscellaneous Services(Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>
Residence	
- Individual line or trunk, each	\$1.80
(2) <u>Access Recovery Charge (ARC)</u>	
Single Line Business	
- Individual line or trunk, each	\$2.91
(3) <u>Access Recovery Charge (ARC)</u>	
Multi Line Business	
- Individual line or trunk, each	\$3.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A) <u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type I, each T-3 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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Type II, each G-1 Conditioning,	ICB rates and charges apply		
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Type III, each G-2 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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Type IV, each G-3 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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(B) Wideband Digital Special Access Service

<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type I, each	ICB rates and charges apply		
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Type II, each	ICB rates and charges apply		
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Type III, each	ICB rates and charges apply		
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ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.6 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, combined, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(D) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.7 Specialized Service or Arrangements

None

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access
Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Connections		
<u>(1) Frame Relay Access Connection (FRAC) (per FRAC)</u>		
56.0 kbps	\$316.01	\$345.00
64.0 kbps	\$316.01	\$345.00
1.544 Mbps	\$672.20	\$345.00
44.736 Mbps	\$4,989.09	\$345.00
<u>(2) Frame Relay Inter-network Connection (FRIC) (per FRIC)</u>		
1.544 Mbps	\$672.20	\$345.00
44.736 Mbps	\$4,989.09	\$345.00
<u>(3) End User Port (per port)</u>		
56.0 kbps	\$128.86	
64.0 kbps	\$128.86	
1.544 Mbps	\$300.05	
44.736 Mbps	\$2,285.48	
<u>(4) Inter-network Customer Port (per port)</u>		
1.544 Mbps	\$300.05	
44.736 Mbps	\$2,285.48	
<u>(5) Term Discounts</u>	<u>Percentage</u>	
36 months	10%	
60 months	20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(3) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$9.19
16 kbps	\$9.19
28 kbps	\$11.03
32 kbps	\$11.03
56 kbps	\$12.90
64 kbps	\$12.90
128 kbps	\$16.53
192 kbps	\$22.10
256 kbps	\$25.78
384 kbps	\$36.83
512 kbps	\$51.54
768 kbps	\$66.27

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$11.03
16 kbps	\$11.03
28 kbps	\$13.97
32 kbps	\$13.97
56 kbps	\$27.30
64 kbps	\$27.30
128 kbps	\$59.81
192 kbps	\$80.51
256 kbps	\$107.08
384 kbps	\$171.49
512 kbps	\$214.19
768 kbps	\$320.64

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) PVC Rearrangement Charge	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services(Cont'd)17.4.8 Public Packet Data Network(Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$822.69	\$390.00
44.736 Mbps	\$4,570.42	\$390.00
155.52 Mbps	\$7,081.95	\$390.00
622.08 Mbps	\$10,279.78	\$390.00

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$1,267.13	\$1,780.00
100 Mbps	\$2,391.27	\$1,780.00
1 Gbps	\$4,624.16	\$3,233.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

Monthly

Nonrecurring

RateCharge

\$9.19

\$64.00

(b) Capacity Charge, Per Megabit of Capacity, Per Path

-Path Size 1 to 50 Mbps

CBRVBR-rtVBR-nrtUBR

\$52.94

\$42.34

\$31.79

\$26.47

- Path Size 51 to 150 Mbps

\$47.62

\$37.05

\$26.47

\$21.17

- Path Size Over 150 Mbps

\$37.05

\$26.47

\$21.17

\$15.87

(3) Virtual Circuit Channels, Per Virtual Circuit Channel

Monthly

Nonrecurring

RateCharge

\$9.06

\$64.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(3) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic Uni or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$54.30	\$64.00

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$3.58	\$6.91	\$7.00

(v) Per MM-VCC Design Change

Nonrecurring
Charge
\$6.00

(5) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in
Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located
within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$104.17	\$295.00
5 Mbps	\$127.98	\$295.00
10 Mbps	\$147.82	\$295.00
20 Mbps	\$161.71	\$295.00
50 Mbps	\$187.51	\$295.00
100 Mbps	\$208.34	\$295.00
200 Mbps	\$267.21	\$295.00
250 Mbps	\$296.64	\$295.00
300 Mbps	\$315.09	\$295.00
400 Mbps	\$333.54	\$295.00
500 Mbps	\$388.90	\$442.00
600 Mbps	\$401.40	\$442.00
700 Mbps	\$413.90	\$442.00
750 Mbps	\$451.41	\$442.00
800 Mbps	\$464.50	\$442.00
900 Mbps	\$477.60	\$442.00
1 Gbps	\$516.88	\$442.00
2.5 Gbps	\$999.04	\$442.00
5 Gbps	\$1,516.92	\$442.00
10 Gbps	\$2,070.51	\$442.00

- (b) Per termination when customer designated premises located more
than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$393.86	\$295.00
5 Mbps	\$397.83	\$295.00
10 Mbps	\$403.78	\$295.00
20 Mbps	\$456.37	\$295.00
50 Mbps	\$515.89	\$295.00
100 Mbps	\$539.70	\$295.00
200 Mbps	\$555.58	\$295.00
250 Mbps	\$563.51	\$295.00
300 Mbps	\$600.02	\$295.00
400 Mbps	\$636.53	\$295.00
500 Mbps	\$746.06	\$442.00
600 Mbps	\$768.48	\$442.00
700 Mbps	\$790.90	\$442.00
750 Mbps	\$858.17	\$442.00
800 Mbps	\$885.55	\$442.00
900 Mbps	\$912.93	\$442.00
1 Gbps	\$995.08	\$442.00
2.5 Gbps	\$1,918.72	\$442.00
5 Gbps	\$2,914.79	\$442.00
10 Gbps	\$3,982.29	\$442.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$142.50	\$259.00
5 Mbps	\$158.18	\$259.00
10 Mbps	\$173.85	\$259.00
20 Mbps	\$193.80	\$259.00
50 Mbps	\$205.20	\$259.00
100 Mbps	\$223.73	\$259.00
200 Mbps	\$280.73	\$259.00
250 Mbps	\$309.23	\$259.00
300 Mbps	\$325.76	\$259.00
400 Mbps	\$358.82	\$259.00
500 Mbps	\$391.88	\$388.00
600 Mbps	\$412.68	\$388.00
700 Mbps	\$454.29	\$388.00
750 Mbps	\$495.90	\$388.00
800 Mbps	\$516.14	\$388.00
900 Mbps	\$556.61	\$388.00
1 Gbps	\$597.08	\$388.00
2.5 Gbps	\$1,145.70	\$388.00
5 Gbps	\$1,742.78	\$388.00
10 Gbps	\$2,384.03	\$388.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$2,323.23	\$175.00
155.52 Mbps	\$2,787.87	\$262.00
622.08 Mbps	\$4,646.46	\$262.00

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.86	\$1.77

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections EVCs (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
200 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00
300 Mbps	\$0.00	\$205.00
400 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS
EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.54	\$0.97

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
600 Mbps	\$0.00	\$307.00
700 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
800 Mbps	\$0.00	\$307.00
900 Mbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS
EVC at speeds of 500 Mbps to 900 Mbps

Monthly Rate Per CoS
Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.28	\$0.55

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections EVCs (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

	Monthly	Nonrecurring
<u>Capacity</u>	<u>Rate</u>	<u>Charge</u>
1 Gbps	\$0.00	\$307.00
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real</u>	<u>Real Time</u>
<u>Time CoS</u>	<u>CoS/QoS</u>
\$0.18	\$0.40

(b) Per Interswitch ETS EVC

	Monthly	Nonrecurring
<u>Capacity</u>	<u>Rate</u>	<u>Charge</u>
2 Mbps	\$61.28	\$205.00
5 Mbps	\$82.65	\$205.00
10 Mbps	\$155.33	\$205.00
20 Mbps	\$309.23	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2
Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real</u>	<u>Real Time</u>
<u>Time CoS</u>	<u>CoS/QoS</u>
\$2.90	\$5.84

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections EVCs (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$417.53	\$205.00
100 Mbps	\$666.90	\$205.00
200 Mbps	\$1,138.10	\$205.00
250 Mbps	\$1,373.70	\$205.00
300 Mbps	\$1,572.00	\$205.00
400 Mbps	\$1,941.04	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$1.75	\$3.51

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$2,287.13	\$307.00
600 Mbps	\$2,437.61	\$307.00
700 Mbps	\$2,738.57	\$307.00
750 Mbps	\$3,039.53	\$307.00
800 Mbps	\$3,227.34	\$307.00
900 Mbps	\$3,602.97	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500Mbps to 900 Mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$1.06	\$2.09

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections EVCs (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$3,978.60	\$307.00
2.5 Gbps	\$7,663.65	\$307.00
5 Gbps	\$11,645.10	\$307.00
10 Gbps	\$15,930.08	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.65	\$1.32

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$41.33	\$410.00
5 Mbps	\$51.30	\$410.00
10 Mbps	\$92.63	\$410.00
20 Mbps	\$185.25	\$410.00
50 Mbps	\$277.88	\$410.00
100 Mbps	\$447.45	\$410.00
200 Mbps	\$770.45	\$410.00
250 Mbps	\$931.95	\$410.00
300 Mbps	\$1,033.98	\$410.00
400 Mbps	\$1,238.04	\$410.00
500 Mbps	\$1,442.10	\$615.00
600 Mbps	\$1,545.84	\$615.00
700 Mbps	\$1,753.32	\$615.00
750 Mbps	\$1,960.80	\$615.00
800 Mbps	\$2,065.97	\$615.00
900 Mbps	\$2,276.30	\$615.00
1 Gbps	\$2,486.63	\$615.00
2.5 Gbps	\$4,795.13	\$615.00
5 Gbps	\$7,283.18	\$615.00
10 Gbps	\$9,956.48	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)

17.4 Other Services (Cont'd)

17.4.8 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$99.47	\$410.00
5 Mbps	\$129.11	\$410.00
10 Mbps	\$250.41	\$410.00
20 Mbps	\$475.66	\$410.00
50 Mbps	\$787.97	\$410.00
100 Mbps	\$1,113.06	\$410.00
200 Mbps	\$2,059.59	\$410.00
250 Mbps	\$2,532.86	\$410.00
300 Mbps	\$2,720.31	\$410.00
400 Mbps	\$3,095.21	\$410.00
500 Mbps	\$3,470.11	\$615.00
600 Mbps	\$3,944.06	\$615.00
700 Mbps	\$4,418.00	\$615.00
750 Mbps	\$4,654.97	\$615.00
800 Mbps	\$4,902.51	\$615.00
900 Mbps	\$5,397.58	\$615.00
1 Gbps	\$5,892.65	\$615.00
2.5 Gbps	\$11,342.13	\$615.00
5 Gbps	\$17,237.23	\$615.00
10 Gbps	\$23,567.56	\$615.00

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designed premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$166.58	\$410.00
5 Mbps	\$263.74	\$410.00
10 Mbps	\$513.59	\$410.00
20 Mbps	\$694.03	\$410.00
50 Mbps	\$1,404.30	\$410.00
100 Mbps	\$1,711.92	\$410.00
200 Mbps	\$2,550.03	\$410.00
250 Mbps	\$2,969.09	\$410.00
300 Mbps	\$3,188.43	\$410.00
400 Mbps	\$3,627.10	\$410.00
500 Mbps	\$4,065.77	\$615.00
600 Mbps	\$4,627.49	\$615.00
700 Mbps	\$5,189.20	\$615.00
750 Mbps	\$5,470.06	\$615.00
800 Mbps	\$5,766.97	\$615.00
900 Mbps	\$6,360.79	\$615.00
1 Gbps	\$6,954.60	\$615.00
2.5 Gbps	\$13,390.37	\$615.00
5 Gbps	\$20,341.58	\$615.00
10 Gbps	\$27,817.65	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
200 Mbps	\$150.00
250 Mbps	\$150.00
300 Mbps	\$150.00
400 Mbps	\$150.00
500 Mbps	\$225.00
600 Mbps	\$225.00
700 Mbps	\$225.00
750 Mbps	\$225.00
800 Mbps	\$225.00
900 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00
44.736 Mbps	\$150.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate</u>	<u>Two-Way Monthly Rate</u>	<u>Nonrecurring Charge Per MM-VCC</u>
<u>Per 10 Mbps</u>	<u>Per 10 Mbps</u>	
\$14.15	\$17.50	\$7.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Function (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

Monthly Rate
Per 64 kbps
\$0.71

Nonrecurring
Charge Per LBR-VCC
\$7.00

Nonrecurring
Charge

(b) Per ETS Design Change

\$6.00

(c) ETS Port Protection(i) Per feature when customer
designated premises located within
300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps
- 2.5 Gbps to 10 Gbps

Monthly
Rate

\$115.86
\$289.43

Nonrecurring
Charge

\$560.00
\$560.00

(ii) Per feature when customer
designated premises located more
than 300 feet from ETS SWC at
speeds of:

- 2 Mbps to 1 Gbps
- 2.5 Gbps to 10 Gbps

Monthly
Rate

\$266.80
\$648.74

Nonrecurring
Charge

\$560.00
\$560.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate

Per 10 Mbps

\$0.00

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate

Per 10 Mbps

\$0.00

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (vii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

- (viii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate

Per 10 Mbps

\$0.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate

Per 10 Mbps

\$0.00

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate

Per 10 Mbps

\$0.00

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan Number of

<u>Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

Certain material currently found on this page previously appeared on Original Page 329.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Allendale(Cont'd)17.4 Other Services (Cont'd)17.4.8 (D) Internet Protocol Gateway Access Service

RESERVED FOR FUTURE USE

17.4.9.1 Digital Subscriber Line Access Service

RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port

17.1.2 Regulations concerning End User Access Service are set forth in Section 4. of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for End User Access Service will be the same as those in Section 17.1.2 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)

- 17.1.3 Regulations concerning Federal Universal Service Charge (FUSC) are set forth in Section 3.9 of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for Federal Universal Service Charge (FUSC) will be the same as those in Section 17.1.3 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports

Regulations concerning ISDN Line Ports are set forth in Section 3.10 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for ISDN Line Ports will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

17.1.5 DS1 Line Port

Regulations concerning DS1 Line Port are set forth in Section 3.11 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for DS1 Line Port will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.5 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service

17.2.1	<u>Nonrecurring Charges</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
(A)	<u>Local Transport - Installation Per Entrance Facility</u>		6.4.1 (B) (1)
	- Voice Grade Two-Wire	\$481.03	
	- Voice Grade Four-Wire	\$481.03	
	- High Capacity DS1	\$352.76	
	- High Capacity DS3	\$475.69	
	- Synchronous Optical Channel OC3	\$384.82	
	- Synchronous Optical Channel OC12	\$384.82	
	- ESALT 2 Mbps	\$570.09	
	- ESALT 10 Mbps	\$570.09	
	- ESALT 50 Mbps	\$570.09	
(C)	<u>Interim NXX Translation Per Order</u>		
	- Per LATA or Market Area	\$235.17	6.4.1(B)(2)
(D)	<u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$472.47	6.4.1(B)(3)
(E)	<u>Trunk Activation</u>		<u>Per Order</u>
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$490.64	6.4.1(B)(1)
(F)	<u>ESALT Direct Trunked Termination</u>		
	- Per ESALT Direct Trunked Termination installed	\$375.60	6.4.1(B)(1)
(G)	<u>Flexible Automatic Number Identification (Flex ANI)</u>		
	- Per End Office, Per CIC	None	6.10.1(AA)
(H)	<u>ESALT Entrance Facility Protection</u>		
	- Per ESALT Entrance Facility	\$576.26	6.10.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
	<u>Premium Access</u>		
	- <u>Entrance Facility</u>		
	Per Termination		6.1.3(A)(1)
	- Voice Grade Two-Wire	\$23.83	
	- Voice Grade Four-Wire	\$38.14	
	- High Capacity DS1	\$116.19	
	- High Capacity DS3	\$1,060.90	
	- Synchronous Optical Channel OC3	\$1,081.80	
	- Synchronous Optical Channel OC12	\$1,155.02	
	- ESALT 2 Mbps	\$205.80	
	- ESALT 10 Mbps	\$221.81	
	- ESALT 50 Mbps	\$287.37	
	- <u>Direct Trunked Transport</u>		6.1.3(A)(2)
	- <u>Direct Trunked Facility</u>		
	Per Mile		
	- Voice Grade	\$1.70	
	- High Capacity DS1	\$7.96	
	- High Capacity DS3	\$69.34	
	- Synchronous Optical Channel OC3	\$74.23	
	- Synchronous Optical Channel OC12	\$93.17	
	Per DTF-E1 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	Per DTF-E2 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	Per DTF E-3 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	- ESALT 2 Mbps	\$52.09	
	- ESALT 10 Mbps	\$160.60	
	- ESALT 50 Mbps	\$455.74	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service(Cont'd)

17.2.2	<u>Local Transport</u> (Cont'd)	<u>Rate</u>	Tariff Section <u>Reference</u>
	- <u>Direct Trunked Termination</u> Per Termination		
	- Voice Grade	\$17.06	
	- High Capacity DS1	\$41.30	
	- High Capacity DS3	\$265.22	
	- Synchronous Optical Channel OC3	\$276.15	
	- Synchronous Optical Channel OC12	\$601.27	
	- ESALT 2 Mbps	\$54.71	
	- ESALT 10 Mbps	\$66.89	
	- ESALT 50 Mbps	\$81.74	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)RateTariff
Section
ReferencePremium Access (Cont'd)Nonrecurring
Charge- Multiplexing

Per Arrangement

- DS3 to DS1	\$241.98	
- DS1 to Voice	\$93.43	

- Customer Node

Per Node

- OC3	155.52	Mbps	\$251.20	\$674.33
- OC12	622.08	Mbps	\$725.69	\$674.33

- Customer Premises Port

6.1.3(A)(7)

Per Port

- OC3	155.52	Mbps	\$82.42	
- STS-1	51.84	Mbps	\$98.96	\$674.33
- DS3	44.736	Mbps	\$98.96	\$674.33
- DS1	1.544	Mbps	\$25.37	\$674.33

- Add/Drop Multiplexing

6.1.3(A)(6)

Central Office Port

Per Port

- OC3	155.52	Mbps	\$82.42
- DS3	44.736	Mbps	\$50.74
- DS1	1.544	Mbps	\$20.29

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)RateTariff
Section
ReferencePremium Access (Cont'd)

- Tandem Switched Transport
- Tandem Switched Facility
Per Access Minute Per Mile

\$.000079

6.1.3(A)(3)

- Tandem Switched Termination
Per Access Minute Per Termination

\$.000409

- Tandem Switching
Access Minute Per Tandem

\$.001031 Per

Network Blocking Per Blocked Call

Applies to FGD only

\$.006409

6.8.6

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)(A) Common Channel Signaling Network Connection

	<u>Rate</u>	<u>Tariff Section Reference</u>
(1) <u>Signaling Network Access Link</u>		6.10.3
- Signaling Mileage Facility per mile	\$ 2.29	
- Signaling Mileage Termination per Termination	\$ 22.96	
- Signaling Entrance Facility per Facility	\$ 43.98	
		<u>Nonrecurring Charge</u>
		\$410.92
(2) <u>STP Port</u>		
- Per port	\$226.67	
(B) <u>800 Data Base Access Service Queries</u>		6.10.3
Per Query		
Basic	.002228	
Vertical Feature	.002462	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tariff
Section
Reference
6.10.3(C) ESALT Real Time CoS/QoS
Per ESALT Direct Trunked Facility, Per Option

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$4.48	\$22.40	\$69.77

(D) ESALT Entrance Facility Protection Per
ESALT Entrance Facility

<u>Monthly Rate</u>		
<u>ESALT</u> <u>2 Mbps</u>	<u>ESALT</u> <u>10 Mbps</u>	<u>ESALT</u> <u>50 Mbps</u>
\$111.06	\$111.06	\$111.06

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>
<u>Premium</u> Per Originating Access Minute	\$0.005627
Per Terminating Access Minute	\$0.0007

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) <u>Information Surcharge</u>	
- Premium Per 100 Originating Access Minutes	\$0.0206
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)

17.2.4 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)17.2.5 Directory Assistance Service Rate Tariff Section Reference(A) Directory Assistance Service \$1.09 9.4.2

A Directory Assistance Service Charge applies for each call to Directory Assistance Service.

(B) RESERVED FOR FUTURE USE

(C) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth respectively in 9.4.8(A) and (B) preceding, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:

- | | | |
|--|----------|-------|
| (1) Credit per call
when Switched Access Service
is billed using nonpremium
per minute rates | \$0.0299 | 9.4.8 |
| (2) Credit per call
when Feature Group A or B
Switched Access Service is
billed using premium per
minute rates | \$0.0566 | 9.4.8 |
| (3) Credit per call
when Feature Group C or D
Switched Access Service is
billed using premium per
minute rates | \$0.0566 | 9.4.8 |

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Per Month Per Line or Trunk	Tariff Section Reference
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
		<u>Rate</u>	
17.2.12	<u>Operator Transfer Service</u>		
	Per Call Transferred	\$0.4904	6.10

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	Monthly <u>Rate</u>	Tariff Section <u>Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff
F.C.C. No. 5.

	Monthly Rate	Nonrecurring Rate
(A) Channel Termination Per Termination	\$31.95	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$46.00	
(2) Channel Mileage Termination Per Termination	\$3.21	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$6.47	
(b) Series Bridging Per Port	\$6.47	
(7) DSL Access Service Connection		
(a) Per 10BASE-T	\$249.24	\$450.00
(b) Per 100BASE-T	\$1,293.78	\$650.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA
Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$31.95	\$450.00
- Four-Wire	\$63.93	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$3.83	
(2) Channel Mileage Termination Per Termination	\$38.44	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$6.47	
- Four-Wire	\$6.47	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA
Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Rate</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$53.67	\$450.00
- Four-Wire	\$85.87	\$450.00
(B) Chanel Mileage		
(1) Channel Mileage Facility Per Mile	\$3.83	
(2) Channel Mileage Termination Per Termination	\$38.43	
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
- Two-Wire	\$6.47	
- Four-Wire	\$6.47	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service(C) Optional Features and Functions (Cont'd)

Monthly

Rate(1) Bridging (Cont'd)Monthly
Rate(b) Data Bridging per port

- Two-Wire

\$6.47

- Four-Wire

\$6.47

(c) Telephone Bridging per port

- Two-Wire

\$6.47

- Four-Wire

\$6.47

(d) DATAPHONE Select-A-Station Bridging

Sequential Arrangement, Ports Per channel connected

- Two-Wire

\$22.09

- Four-Wire

\$117.12

Addressable Arrangement, Ports Per channel connected

- Two-Wire

\$23.64

- Four-Wire

\$102.30

(e) Telemetry and Alarm Bridging

Active Bridging Channel Connections

Per channel connected

- Split Band

\$10.53

- Summation

\$4.04

Passive Bridging Channel Connections

Per channel connected

\$0.28

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service(C) Optional Features and Functions (Cont'd)

	<u>Monthly Rate</u>
(2) Conditioning Per Termination	
- C-Type	\$9.51
- Improved Attenuation Distortion*	None
- Improved Envelope Delay Distortion*	None
- Data Capability	\$8.44
- Telephoto Capability	\$8.97
- Sealing Current	None
(3) Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination	
- Two-Wire	\$13.60
- Four-Wire	\$13.60
(4) Customer Specified Receive Level per two-wire termination	\$10.27

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

(C) Optional Features and Functions (Cont'd)

(5)	Multiplexing Per arrangement Voice to Telegraph Grade	\$225.10
(6)	Signaling Capability Per termination	\$21.76
(7)	Selective Signaling Arrangement Per arrangement	\$6.47
(8)	Transfer Arrangement (key activated* or Dial-Up**)	
	- Per four port arrangement including control channel termination***	\$2.93
	- Per five port arrangement including control channel termination***	\$6.73
(9)	Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wirecenter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA
Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Charges</u>	
			<u>Monthly</u>	<u>Daily</u>
(A) Channel Termination Per Termination				
- 200 to 3500 Hz	\$56.92	\$5.69	\$450.00	\$450.00
- 100 to 5000 Hz	\$99.10	\$9.91	\$450.00	\$450.00
- 50 to 8000 Hz	\$99.10	\$9.91	\$450.00	\$450.00
- 50 to 15000 Hz	\$99.10	\$9.91	\$450.00	\$450.00
(B) Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>
(1) Channel Mileage Facility Per Mil				
- 200 to 3500 Hz			\$3.83	\$0.38
- 100 to 5000 Hz			\$7.65	\$0.76
- 50 to 8000 Hz			\$11.48	\$1.15
- 50 to 15000 Hz			\$15.31	\$1.53
(2) Channel Mileage Termination Per Termination				
- 200 to 3500 Hz			\$38.44	\$3.84
- 100 to 5000 Hz			\$76.86	\$7.68
- 50 to 8000 Hz			\$115.31	\$11.53
- 50 to 15000 Hz			\$153.74	\$15.37

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

(C)	Monthly <u>Rate</u>	Daily* <u>Rate</u>
Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$19.87	\$1.98
(2) Gain Conditioning per service	\$13.88	
(3) Stereo per service	\$24.57	\$2.45

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Nonrecurring Monthly Rate</u>	<u>Daily* Rate</u>
(A) Channel Termination Per Termination				
- TV-1 or 2	\$588.00	\$323.40	\$330.00	\$330.00
- 4TV-5	\$588.00	\$323.40	\$330.00	\$330.00
- 6TV-5	\$588.00	\$323.40	\$330.00	\$330.00
- TV-15	\$588.00	\$323.40	\$330.00	\$330.00
 (B) Channel Mileage			<u>Monthly Rate</u>	<u>Daily* Rate</u>
(1) Channel Mileage Facility				
Per Mile				
- All			\$500.48	\$260.18
(2) Channel Mileage Termination Per Termination				
- All			\$533.23	\$277.20

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.0 of NECA
Tariff F.C.C. No.5

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination		
Per termination		
- 2.4 kbps	\$99.29	\$390.00
- 4.8 kbps	\$99.29	\$390.00
- 9.6 kbps	\$99.29	\$390.00
- 19.2 kbps	\$99.29	\$390.00
- 56.0 kbps	\$99.29	\$390.00
- 64.0 kbps	\$99.29	\$390.00
(B) Channel Mileage		
(1) Channel Mileage Facility		
Per Mile		
- 2.4 kbps	\$3.64	
- 4.8 kbps	\$3.64	
- 9.6 kbps	\$3.64	
- 19.2 kbps	\$3.64	
- 56.0 kbps	\$5.17	
- 64.0 kbps	\$5.17	
(2) Channel Mileage Termination		
Per Termination		
- 2.4 kbps	\$36.51	
- 4.8 kbps	\$36.51	
- 9.6 kbps	\$36.51	
- 19.2 kbps	\$36.51	
- 56.0 kbps	\$51.88	
- 64.0 kbps	\$51.88	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)

(C) Optional Features and Functions	Monthly Rate
(1) Bridging Per port	\$8.72
(2) Loop Transfer Arrangement Per four port arrangement* Key activated** or Dial-Up***	\$6.18
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB
(D) Channel Service Unit Per Termination****	
- 2.4 kbps	\$30.90
- 4.8 kbps	\$30.90
- 9.6 kbps	\$30.90
- 56.0 kbps	\$30.90

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center. ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA
Tariff F.C.C. No. 5

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per Termination		
- DS1 1.544 Mbps	\$246.88	\$330.00
- DS1C 3.152 Mbps	ICB	ICB
- DS2 6.312 Mbps	ICB	ICB
- Capacity of 1 DS3 44.736 Mbps Interface	\$2,036.24	
- per DS3 Channel Installed	\$0.00	\$445.00
- DS4 274.176 Mbps	ICB	ICB
(B) Channel Mileage		Monthly
(1) Channel Mileage Facility		<u>Rate</u>
Per Mile		
- 64 kbps*		\$5.17
- 1.544 Mbps		\$15.28
- 3.152 Mbps		ICB
- 6.312 Mbps		ICB
- 44.736 Mbps		\$133.17
- 274.176 Mbps		ICB

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination Per Termination	<u>Monthly Rate</u>
- 64 kbps*	\$51.88
- 1.544 Mbps	\$79.17
- 3.152 Mbps	ICB
- 6.312 Mbps	ICB
- 44.736 Mbps	\$509.20
- 274.176 Mbps	ICB

(C) Term Discounts	<u>Percentage</u>
DS1 and DS3 services	
36 months	10%
60 months	20%

(D) Optional Features and Functions Monthly Rate

(1) Multiplexing, per arrangement	
DS4 to DS1	ICB
DS3 to DS1	\$472.02
DS2 to DS1	ICB
DS1C to DS1	ICB
DS1 to Voice **	\$194.81
DS1 to DS0	\$194.81
DS0 to Subrates	
- Up to 20 2.4 kbps services	\$465.73
- Up to 10 4.8 kbps services	\$316.48
- Up to 5 9.6 kbps services	\$280.63

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

	Monthly <u>Rate</u>	Nonrecurring <u>Charges</u>
(2) Automatic Loop Transfer Per arrangement*	\$157.23	
(3) Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination***	\$171.37	
(4) Clear Channel Capability - per 1.544 Mbps transmission path	None	
(5) Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None	
(E) Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps - Automatic Loop Transfer	\$89.17 \$358.27	
(J) DSL Access Service Connection - Per 1.544 Mbps - Per 44.736 Mbps	\$249.24 \$1,730.85	\$450.00 \$650.00

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.10 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.3 Special Access Service(Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

(A) Channel Termination Per Termination		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
- OC3/OC3c	155.52 Mbps	\$2,079.18	\$360.00
- OC12	622.08 Mbps	\$2,599.41	360.00
(B) Channel Mileage Facility Per Mile			
- OC3/OC3c	155.52 Mbps	\$142.74	
- OC12	622.08 Mbps	\$179.14	
(C) Channel Mileage Termination Per Termination			
- OC3/OC3c	155.52 Mbps	\$530.72	
- OC12	622.08 Mbps	\$1,156.01	
(D) Term Discount		<u>Percentage</u>	
- OC3/OC3c and OC12 Services			
36 months			10%
60 months			20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.3 Special Access Service(Cont'd)17.3.11 Synchronous Optical Channel Service(Cont'd)

(E) Optional Features and Functions

		Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(1) Customer Node Per Node			
- OC3/OC3c	155.52 Mbps	\$482.97	\$640.00
- OC12	622.08 Mbps	\$1,395.25	\$640.00
Customer Premises Port Per Port			
- OC3/OC3c	155.52 Mbps	\$185.49	
- STS-1	51.84 Mbps	\$190.28	\$640.00
- DS3	44.736 Mbps	\$190.28	\$640.00
- DS1	1.544 Mbps	\$48.77	\$640.00
(2) Add/Drop Multiplexing Central Office Port			
Per Port			
- OC3/OC3c	155.52 Mbps	\$185.49	
- DS3	44.736 Mbps	\$97.56	
- DS1	1.544 Mbps	\$39.03	
(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility			
- OC3/Oc3c		None	
- OC12		None	
(4) DSL Access Service Connection			
- Per OC3/OC3c		\$3,032.43	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services17.4.1 Access Ordering

	Charge	Tariff Section Reference
(A) Access Order Charge		
Per Order	\$86.00	5.4.1
(B) Service Date Change Charge		
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The application charge is:		
Service Date Change Charge, per order	\$60.00	
(B) Design Change Charge		
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:		
Design Change Charge, per order	\$84.00	5.4.3
(C) Miscellaneous Service Order Charge		
Per Occurrence	\$123.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		Each Half Hour or <u>Fraction Thereof</u>	<u>Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled workday, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Installation or Repair			
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$47.57*	13.2.1 & 13.2.2
-	Premium Time, outside of scheduled workday, per technician	\$63.42*	13.2.1 & 13.2.2
(B) Stand by			
-	Basic time, normally scheduled working hours, per technician	\$21.18*	13.2.3
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$31.77*	13.2.3
-	Premium Time, outside of scheduled workday, per technician	\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)

<u>Additional Labor Periods</u>		<u>Each Half Hour or Fraction Thereof</u>		
		<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>Tariff Section Reference</u>
(A)	Testing and Maintenance with other Telephone Companies, or Other Labor			
	- Basic Time per technician normally scheduled working hours	\$31.71	\$34.66	13.2.4 & 13.2.5
	- Overtime per technician outside of normally scheduled working hours on a scheduled workday,	\$47.57*	\$51.99*	13.2.4 & 13.2.5
	- Premium Time per technician outside of scheduled workday	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services(A) Additional Cooperative Acceptance Testing - Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing - Switched AccessTo First Point of
Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing - Switched AccessTo First Point
of Switching

Additional Tests

Each Half Hour
or Fraction
ThereofTariff
Section
Reference

Gain-Slope,

C-Notched Noise and
any other agreed to
tests, per technicianSee the rates
for Additional
Labor as set
forth in 17.4.3(C) preceding

13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing - Special AccessTesting PeriodsEach Half
Hour or
Fraction
ThereofTariff
Section
ReferenceBasic Time, Overtime*
and Premium Time*See the rates
for Additional
Labor as set
forth in 17.4.3 (C)
preceding.

13.3.1(B)(1)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(E) Additional Manual Testing - Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.1(B)(2)

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3 (C) preceding.	13.3.2

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

(I) Presubscribed Interexchange
Carrier (PIC) Change Charge*

13.4(J)

Per Telephone Exchange Service
Line or trunk for each interLATA
PIC change:

(1) Submitted using manual methods	\$5.50
(2) Submitted using electronic methods	\$1.25
(3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75
(4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associate charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(K) Blocking Service*

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
- Per exchange service line, or trunk and/ or per Feature Group A Switched Access Line	\$11.20	13.8

(L) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$ 0.33	13.9.4(A)
- Optional Magnetic Tape Charge-Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge - Per each half hour or fraction thereof	\$37.20	13.9.4(C)

(M) Originating Line Screening
(OLS) Service

- Per exchange service line	\$ 7.95	13.10
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(N) Coin Supervision
Additive Service

	<u>Monthly Rate</u>	
- Per exchange service line	 \$ 2.21	 13.12

- * Blocking access to 900 Service is offered to all subscribers at no charge
- (a) from November 1, 1993 through December 31, 1993 and
 - (b) at the time telephone service is established at a new number and for 60 days thereafter.

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1) <u>Access Recovery Charge (ARC)</u>	<u>Rates</u>
Residence	
- Individual line or trunk, each – Allegan	\$0.00
- Individual line or trunk, each - Ottawa	\$1.90
(2) <u>Access Recovery Charge (ARC)</u>	
Single Line Business	
- Individual line or trunk, each	\$3.00
(3) <u>Access Recovery Charge (ARC)</u>	
Multi Line Business	
- Individual line or trunk, each	\$3.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type II, each G-1 Conditioning,	ICB rates and charges apply		
	Type III, each G-2 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		
	Type IV, each G-3 Conditioning,	ICB rates and charges apply		
	Additional Conditioning, per service termination	ICB rates and charges apply		

(B) Wideband Digital Special Access Service

	<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each	ICB rates and charges apply		
	Type II, each	ICB rates and charges apply		
	Type III, each	ICB rates and charges apply		

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4.6 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, combined, the rates and charges will be developed on an individual case basis. (Reserved for future use.)

(C) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.7 Specialized Service or Arrangements

None

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access
Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
<u>Connections</u>		
(1) <u>Frame Relay Access Connection (FRAC) (per FRAC)</u>		
56.0 kbps	\$170.98	\$345.00
64.0 kbps	\$170.98	\$345.00
1.544 Mbps	\$363.69	\$345.00
44.736 Mbps	\$2,699.30	\$345.00
(2) <u>Frame Relay Inter-network Connection (FRIC)</u> (per FRIC)		
1.544 Mbps	\$363.69	\$345.00
44.736 Mbps	\$2,699.30	\$345.00
(3) <u>End User Port (per port)</u>		
56.0 kbps	\$69.72	
64.0 kbps	\$69.72	
1.544 Mbps	\$162.35	
44.736 Mbps	\$1,236.54	
(4) <u>Inter-network Customer Port (per port)</u>		
1.544 Mbps	\$162.35	
44.736 Mbps	\$1,236.54	
(5) <u>Term Discounts</u>	<u>Percentage</u>	
36 months	10%	
60 months	20%	

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(3) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$4.98
16 kbps	\$4.98
28 kbps	\$5.97
32 kbps	\$5.97
56 kbps	\$6.98
64 kbps	\$6.98
128 kbps	\$8.94
192 kbps	\$11.96
256 kbps	\$13.94
384 kbps	\$19.93
512 kbps	\$27.88
768 kbps	\$35.86

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$5.97
16 kbps	\$5.97
28 kbps	\$7.56
32 kbps	\$7.56
56 kbps	\$14.77
64 kbps	\$14.77
128 kbps	\$32.35
192 kbps	\$43.56
256 kbps	\$57.94
384 kbps	\$92.79
512 kbps	\$115.89
768 kbps	\$173.48

Nonrecurring
Charge

(7) PVC Installation Charge	\$64.00
(8) PVC Rearrangement Charge	\$32.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$445.12	\$390.00
44.736 Mbps	\$2,472.79	\$390.00
155.52 Mbps	\$3,831.63	\$390.00
622.08 Mbps	\$5,561.79	\$390.00

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$685.57	\$1,780.00
100 Mbps	\$1,293.78	\$1,780.00
1 Gbps	\$2,501.86	\$3,233.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
\$4.98	\$64.00

(b) Capacity Charge, Per Megabit of Capacity,
Per Path

-Path Size 1 to 50 Mbps

<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>
\$28.64	\$22.91	\$17.20	\$14.33

- Path Size 51 to 150 Mbps

\$25.77	\$20.05	\$14.33	\$11.45
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- Path Size Over 150 Mbps

\$20.05	\$14.33	\$11.45	\$8.58
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(3) Virtual Circuit Channels, Per Virtual
Circuit Channel

<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
\$4.90	\$64.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(3) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic Uni or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$29.38	\$64.00

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 Mbps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$1.93	\$3.75	\$7.00

(v) Per MM-VCC Design Change

Nonrecurring Charge
\$6.00

(5) ATM0CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

Capacity	Monthly Rate	Nonrecurring Charge
2 Mbps	\$56.35	\$295.00
5 Mbps	\$69.23	\$295.00
10 Mbps	\$79.97	\$295.00
20 Mbps	\$87.48	\$295.00
50 Mbps	\$101.44	\$295.00
100 Mbps	\$112.71	\$295.00
200 Mbps	\$144.55	\$295.00
250 Mbps	\$160.47	\$295.00
300 Mbps	\$170.46	\$295.00
400 Mbps	\$180.44	\$295.00
500 Mbps	\$210.39	\$442.00
600 Mbps	\$217.15	\$442.00
700 Mbps	\$223.91	\$442.00
750 Mbps	\$244.20	\$442.00
800 Mbps	\$251.28	\$442.00
900 Mbps	\$258.37	\$442.00
1 Gbps	\$279.62	\$442.00
2.5 Gbps	\$539.92	\$442.00
5 Gbps	\$820.08	\$442.00
10 Gbps	\$1,120.09	\$442.00

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$213.07	\$295.00
5 Mbps	\$215.22	\$295.00
10 Mbps	\$218.44	\$295.00
20 Mbps	\$246.88	\$295.00
50 Mbps	\$279.08	\$295.00
100 Mbps	\$291.96	\$295.00
200 Mbps	\$300.55	\$295.00
250 Mbps	\$304.85	\$295.00
300 Mbps	\$324.60	\$295.00
400 Mbps	\$344.35	\$295.00
500 Mbps	\$403.60	\$442.00
600 Mbps	\$415.73	\$442.00
700 Mbps	\$427.86	\$442.00
750 Mbps	\$464.25	\$442.00
800 Mbps	\$478.95	\$442.00
900 Mbps	\$493.66	\$442.00
1 Gbps	\$537.77	\$442.00
2.5 Gbps	\$1,037.98	\$442.00
5 Gbps	\$1,576.82	\$442.00
10 Gbps	\$2,154.31	\$442.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(Cont'd)(2) Ports

(a) Per ETS Basic Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$77.08	\$259.00
5 Mbps	\$85.56	\$259.00
10 Mbps	\$94.04	\$259.00
20 Mbps	\$104.83	\$259.00
50 Mbps	\$111.00	\$259.00
100 Mbps	\$121.02	\$259.00
200 Mbps	\$151.85	\$259.00
250 Mbps	\$167.26	\$259.00
300 Mbps	\$176.20	\$259.00
400 Mbps	\$194.09	\$259.00
500 Mbps	\$211.97	\$388.00
600 Mbps	\$223.22	\$388.00
700 Mbps	\$245.73	\$388.00
750 Mbps	\$268.24	\$388.00
800 Mbps	\$279.18	\$388.00
900 Mbps	\$301.07	\$388.00
1 Gbps	\$322.97	\$388.00
2.5 Gbps	\$619.72	\$388.00
5 Gbps	\$942.69	\$388.00
10 Gbps	\$1,289.55	\$388.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$1,256.97	\$175.00
155.52 Mbps	\$1,508.36	\$262.00
622.08 Mbps	\$2,513.92	\$262.00

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC
at speeds of 2 Mbps to 20 Mbps

<u>Monthly Rate Per CoS Level, Per Megabit</u>	
Near Real	Real Time
<u>Time CoS</u>	<u>CoS/QoS</u>
\$0.47	\$0.95

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
200 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00
300 Mbps	\$0.00	\$205.00
400 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>	
\$0.26	\$0.52	
<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
600 Mbps	\$0.00	\$307.00
700 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
800 Mbps	\$0.00	\$307.00
900 Mbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500 Mbps to 900 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.15	\$0.30

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$0.00	\$307.00
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
1 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.11	\$0.21

(b) Per Interswitch ETSEVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$33.14	\$205.00
5 Mbps	\$44.71	\$205.00
10 Mbps	\$84.02	\$205.00
20 Mbps	\$167.26	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2
Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$1.58	\$3.15

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$225.84	\$205.00
100 Mbps	\$360.73	\$205.00
200 Mbps	\$615.10	\$205.00
250 Mbps	\$742.28	\$205.00
300 Mbps	\$841.25	\$205.00
400 Mbps	\$1,039.19	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 400 Mbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$0.96	\$1.92

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$1,237.13	\$307.00
600 Mbps	\$1,318.53	\$307.00
700 Mbps	\$1,481.32	\$307.00
750 Mbps	\$1,644.12	\$307.00
800 Mbps	\$1,745.71	\$307.00
900 Mbps	\$1,948.89	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

Near Real <u>Time CoS</u>	Real Time <u>CoS/QoS</u>
\$0.57	\$1.13

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1 Gbps	\$2,152.07	\$307.00
2.5 Gbps	\$4,145.36	\$307.00
5 Gbps	\$6,298.98	\$307.00
10 Gbps	\$8,616.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 1 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.36	\$0.72

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$22.35	\$410.00
5 Mbps	\$27.75	\$410.00
10 Mbps	\$50.10	\$410.00
20 Mbps	\$100.20	\$410.00
50 Mbps	\$150.31	\$410.00
100 Mbps	\$242.03	\$410.00
200 Mbps	\$416.75	\$410.00
250 Mbps	\$504.10	\$410.00
300 Mbps	\$559.29	\$410.00
400 Mbps	\$669.67	\$410.00
500 Mbps	\$780.05	\$615.00
600 Mbps	\$836.16	\$615.00
700 Mbps	\$948.39	\$615.00
750 Mbps	\$1,060.62	\$615.00
800 Mbps	\$1,117.51	\$615.00
900 Mbps	\$1,231.28	\$615.00
1 Gbps	\$1,345.05	\$615.00
2.5 Gbps	\$2,592.97	\$615.00
5 Gbps	\$3,939.56	\$615.00
10 Gbps	\$5,384.81	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- (a) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$70.94	\$410.00
5 Mbps	\$92.08	\$410.00
10 Mbps	\$178.59	\$410.00
20 Mbps	\$339.24	\$410.00
50 Mbps	\$561.97	\$410.00
100 Mbps	\$793.83	\$410.00
200 Mbps	\$1,468.88	\$410.00
250 Mbps	\$1,806.41	\$410.00
300 Mbps	\$1,940.10	\$410.00
400 Mbps	\$2,207.47	\$410.00
500 Mbps	\$2,474.85	\$615.00
600 Mbps	\$2,812.87	\$615.00
700 Mbps	\$3,150.88	\$615.00
750 Mbps	\$3,319.89	\$615.00
800 Mbps	\$3,496.43	\$615.00
900 Mbps	\$3,849.51	\$615.00
1 Gbps	\$4,202.59	\$615.00
2.5 Gbps	\$8,089.11	\$615.00
5 Gbps	\$12,293.44	\$615.00
10 Gbps	\$16,808.18	\$615.00

- (b) Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$118.80	\$410.00
5 Mbps	\$188.09	\$410.00
10 Mbps	\$366.29	\$410.00
20 Mbps	\$494.97	\$410.00
50 Mbps	\$1,001.53	\$410.00
100 Mbps	\$1,220.92	\$410.00
200 Mbps	\$1,818.66	\$410.00
250 Mbps	\$2,117.52	\$410.00
300 Mbps	\$2,273.95	\$410.00
400 Mbps	\$2,586.81	\$410.00
500 Mbps	\$2,899.67	\$615.00
600 Mbps	\$3,300.28	\$615.00
700 Mbps	\$3,700.89	\$615.00
750 Mbps	\$3,901.20	\$615.00
800 Mbps	\$4,112.95	\$615.00
900 Mbps	\$4,536.45	\$615.00
1 Gbps	\$4,959.96	\$615.00
2.5 Gbps	\$9,549.51	\$615.00
5 Gbps	\$14,507.44	\$615.00
10 Gbps	\$19,839.32	\$615.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
200 Mbps	\$150.00
250 Mbps	\$150.00
300 Mbps	\$150.00
400 Mbps	\$150.00
500 Mbps	\$225.00
600 Mbps	\$225.00
700 Mbps	\$225.00
750 Mbps	\$225.00
800 Mbps	\$225.00
900 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$14.15	\$17.50	\$7.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(Cont'd)(6) Optional Features and Functions (Cont'd)

(a) DSL Access Service Connection (Cont'd)

(iv) Per ETS LBR-VCC

Monthly Rate
Per 64 kbps
 \$0.51

Nonrecurring
Charge Per LBR-VCC
 \$7.00

(b) Per ETS Design Change

Nonrecurring
Charge
 \$6.00

(c) ETS Port Protection

- (i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:
- 2 Mbps to 1 Gbps \$115.86
 - 2.5 Gbps to 10 Gbps \$289.43

Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
\$115.86	\$560.00
\$289.43	\$560.00

- (ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:
- 2 Mbps to 1 Gbps \$266.80
 - 2.5 Gbps to 10 Gbps \$648.74

Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
\$266.80	\$560.00
\$648.74	\$560.00

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i) Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$3.24
- (ii) Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC
Monthly Rate
Per 10 Mbps
\$3.40
- (iii) Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC
Monthly Rate
Per 10 Mbps
\$4.06
- (iv) Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$0.00
- (v) Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$27.24
- (vi) Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$18.49
- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$108.59
- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps
Monthly Rate
Per 10 Mbps
\$158.71

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe(Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service(Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (vii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate Per
10 Mbps
\$101.49

- (viii) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate Per
10 Mbps
\$148.33

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan Number of

<u>Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 and above	10%

ACCESS SERVICE

17. Rates and Charges – Ace Telephone Company of Michigan, Inc. – Drenthe (Cont'd)17.4 Other Services (Cont'd)17.4.8 (D) Internet Protocol Gateway Access Service
RESERVED FOR FUTURE USE17.4.9.1 Digital Subscriber Line Access Service
RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port

17.1.2 Regulations concerning End User Access Service are set forth in Section 4 of the NECA Tariff F.C.C. No. 5

The rates and charges of the Telephone Company of End User Access Service will be the same as those in Section 17.1.2 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)

- 17.1.3 Regulations concerning Federal Universal Service Charge (FUSC) are set forth in Section 3.9 of the NECA Tariff F.C.C. No. 5.

The rates and charges of the Telephone Company for Federal Universal Service Charge (FUSC) will be the same as those in Section 17.1.3 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)17.1.4 ISDN Line Ports

Regulations concerning ISDN Line Ports are set forth in Section 3.10 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for ISDN Line Ports will be the same as those in Section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

17.1.5 DS1 Line Port

Regulations concerning DS1 Line Port are set forth in Section 3.11 of the NECA Tariff F.C.C. No. 5. The rates and charges of the Telephone Company for DS1 Line Port will be the same as those in section 17.1.4 of the National Exchange Carrier Association Tariff F.C.C. No. 5.

ACCESS SERVICE

- 17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)
 - 17.1 Carrier Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports, and DS1 Line Port (Cont'd)
 - 17.1.5 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switched Access Service

17.2.1	<u>Nonrecurring Charges</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
(A)	<u>Local Transport - Installation Per Entrance Facility</u>		6.4.1 (B) (1)
	- Voice Grade Two-Wire	\$481.03	
	- Voice Grade Four-Wire	\$481.03	
	- High Capacity DS1	\$352.76	
	- High Capacity DS3	\$475.69	
	- Synchronous Optical Channel OC3	\$384.82	
	- Synchronous Optical Channel OC12	\$384.82	
	- ESALT 2 Mbps	\$570.09	
	- ESALT 10 Mbps	\$570.09	
	- ESALT 50 Mbps	\$570.09	
(C)	<u>Interim NXX Translation Per Order</u>		
	- Per LATA or Market Area	\$235.17	6.4.1(B)(2)
(D)	<u>FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
	- Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$472.47	6.4.1(B)(3)
(E)	<u>Trunk Activation</u>		<u>Per Order</u>
	- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$490.64	6.4.1(B)(1)
(F)	<u>ESALT Direct Trunked Termination</u>		
	- Per ESALT Direct Trunked Termination installed	\$375.60	6.4.1(B)(1)
(G)	<u>Flexible Automatic Number Identification (Flex ANI)</u>		
	- Per End Office, Per CIC	None	6.10.1(AA)
(H)	<u>ESALT Entrance Facility Protection</u>		
	- Per ESALT Entrance Facility	\$576.26	6.10.3

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2	<u>Local Transport</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
	<u>Premium Access</u>		
	- <u>Entrance Facility</u>		
	Per Termination		6.1.3(A)(1)
	- Voice Grade Two-Wire	\$34.15	
	- Voice Grade Four-Wire	\$54.65	
	- High Capacity DS1	\$166.49	
	- High Capacity DS3	\$1,520.21	
	- Synchronous Optical Channel OC3	\$1,550.16	
	- Synchronous Optical Channel OC12	\$1,655.07	
	- ESALT 2 Mbps	\$294.89	
	- ESALT 10 Mbps	\$317.83	
	- ESALT 50 Mbps	\$411.78	
	- <u>Direct Trunked Transport</u>		6.1.3(A)(2)
	- <u>Direct Trunked Facility</u>		
	Per Mile		
	- Voice Grade	\$2.43	
	- High Capacity DS1	\$11.41	
	- High Capacity DS3	\$99.37	
	- Synchronous Optical Channel OC3	\$106.37	
	- Synchronous Optical Channel OC12	\$133.51	
	Per DTF-E1 Facility		
	- ESALT 2 Mbps	\$33.60	
	- ESALT 10 Mbps	\$85.19	
	- ESALT 50 Mbps	\$238.54	
	Per DTF-E2 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	Per DTF E-3 Facility		
	- ESALT 2 Mbps		
	- ESALT 10 Mbps		
	- ESALT 50 Mbps		
	- ESALT 2 Mbps	\$55.86	
	- ESALT 10 Mbps	\$172.22	
	- ESALT 50 Mbps	\$488.72	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2. Switch Access Service (Cont'd)17.2.2 Local Transport (Cont'd)

	<u>Rate</u>	<u>Tariff Section Reference</u>
- <u>Direct Trunked Termination</u> Per Termination		
- Voice Grade	\$24.45	
- High Capacity DS1	\$59.18	
- High Capacity DS3	\$380.04	
- Synchronous Optical Channel OC3	\$395.70	
- Synchronous Optical Channel OC12	\$861.57	
- ESALT 2 Mbps	\$78.40	
- ESALT 10 Mbps	\$95.84	
- ESALT 50 Mbps	\$117.14	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.2 <u>Local Transport (Cont'd)</u>				<u>Rate</u>	<u>Tariff Section Reference</u>
<u>Premium Access (Cont'd)</u>					<u>Nonrecurring Charge</u>
- <u>Multiplexing</u>					
Per Arrangement					
- DS3 to DS1				\$346.75	
- DS1 to Voice				\$133.88	
- <u>Customer Node</u>					
Per Node					
-	OC3	155.52	Mbps	\$359.95	\$674.33
-	OC12	622.08	Mbps	\$1,039.87	\$674.33
- <u>Customer Premises Port</u>					6.1.3(A)(7)
Per Port					
-	OC3	155.52	Mbps	\$118.11	
-	STS-1	51.84	Mbps	\$141.81	\$674.33
-	DS3	44.736	Mbps	\$141.81	\$674.33
-	DS1	1.544	Mbps	\$36.35	\$674.33
- <u>Add/Drop Multiplexing</u>					6.1.3(A)(6)
<u>Central Office Port</u> Per Port					
-	OC3	155.52	Mbps	\$118.11	
-	DS3	44.736	Mbps	\$72.72	
-	DS1	1.544	Mbps	\$29.08	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)

17.2	<u>Switched Access Service (Cont'd)</u>		Tariff Section Reference
17.2.2	<u>Local Transport (Cont'd)</u>	<u>Rate</u>	<u>Reference</u>
	<u>Premium Access (Cont'd)</u>		
	- <u>Tandem Switched Transport</u>		6.1.3(A)(3)
	- <u>Tandem Switched Facility</u> Per Access Minute Per Mile	\$.000084	
	- <u>Tandem Switched Termination</u> Per Access Minute Per Termination	\$.000439	
	- <u>Tandem Switching</u> Per Access Minute Per Tandem	\$.001106	
	<u>Network Blocking Per Blocked Call</u> Applies to FGD only	\$.006873	6.8.6

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 Local Transport (Cont'd)(A) Common Channel Signaling Network Connection

	<u>Rate</u>	<u>Tariff Section Reference</u>
(1) <u>Signaling Network Access Link</u>		6.10.3
- Signaling Mileage Facility per mile	\$ 3.28	
- Signaling Mileage Termination per Termination	\$ 32.91	
- Signaling Entrance Facility per Facility	\$ 63.03	
		<u>Nonrecurring Charge</u>
		\$410.92
(2) <u>STP Port</u>		
- Per port	\$324.80	
(B) <u>800 Data Base Access Service Queries</u>		6.10.3
Per Query		
Basic	.002389	
Vertical Feature	.002640	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switch Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Tariff
Section
Reference
6.10.3

- (C) ESALT Real Time CoS/QoS
Per ESALT Direct Trunked Facility, Per Option

Monthly Rate		
ESALT <u>2 Mbps</u>	ESALT <u>10 Mbps</u>	ESALT <u>50 Mbps</u>
\$6.42	\$32.09	\$99.83

- (D) ESALT Entrance Facility Protection Per
ESALT Entrance Facility

Monthly Rate		
ESALT <u>2 Mbps</u>	ESALT <u>10 Mbps</u>	ESALT <u>50 Mbps</u>
\$119.10	\$119.10	\$119.10

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Switched Access Service (Cont'd)17.3.3 End Office

(A) <u>Local Switching</u>	<u>Rate</u>
<u>Premium</u>	
Per Originating Access Minute	\$0.004756
Per Terminating Access Minute	\$0.0007

The composite Terminating Local Switching rates shown above include the Terminating Information Surcharge rate element.

(B) <u>Information Surcharge</u>	
- Premium Per 100 Originating Access Minutes	\$0.017431
- Premium Per 100 Terminating Access Minutes #	\$0.0000

The Terminating Information Surcharge rate element is included in the Terminating Local Switching rates.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)

17.3.4 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Switched Access Service (Cont'd)17.3.5 Directory Assistance ServiceTariff
Section
ReferenceRate(A) Directory Assistance Service

\$1.09

9.4.2

A Directory Assistance Service Charge applies for each call to Directory Assistance Service.

(B) RESERVED FOR FUTURE USE

(C) Credit Allowance for Uncompleted DA Calls

In addition to the credit allowances for Directory Assistance Service Call and Directory Transport as set forth respectively in 9.4.8(A) and (B) preceding, there is also a credit allowance for the Switched Access Service portion in the originating LATA of such DA call. The credit will be as set forth following:

- | | | |
|---|----------|-------|
| (1) Credit per call
when Switched Access Service
is billed using nonpremium per
minute rates | \$0.0299 | 9.4.8 |
| (2) Credit per call
when Feature Group A or B
Switched Access Service is billed
using premium per minute rates | \$0.0566 | 9.4.8 |
| (3) Credit per call
when Feature Group C or D
Switched Access Service is billed
using premium per minute rates | \$0.0566 | 9.4.8 |

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Per Month Per Line or Trunk	Tariff Section Reference
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
		<u>Rate</u>	
17.2.9	<u>Operator Transfer Service</u>		
	Per Call Transferred	\$0.4904	6.10

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	Monthly <u>Rate</u>	Tariff Section <u>Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Special Access Service (Cont'd)17.4.2 Metallic Service

Regulations concerning Metallic Service are set forth in Section 7.4 of the NECA Tariff
F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Rate</u>
(A) Channel Termination Per Termination	\$19.30	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$27.79	
(2) Channel Mileage Termination Per Termination	\$1.94	
(C) Optional Features and Functions		
(1) Bridging		
(a) Three Premises Bridging Per Port	\$3.91	
(b) Series Bridging Per Port	\$3.91	
(4) DSL Access Service Connection		
(a) Per 10BASE-T	\$150.54	\$450.00
(b) Per 100BASE-T	\$781.43	\$650.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Special Access Service (Cont'd)17.4.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5 of the NECA
Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$19.30	\$450.00
- Four-Wire	\$38.62	\$450.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$2.32	
(2) Channel Mileage Termination Per Termination	\$23.22	
(C) Optional Features and Functions		
(1) Telegraph Bridging Per Port		
- Two-Wire	\$3.91	
- Four-Wire	\$3.91	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Special Access Service (Cont'd)17.4.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6 of the NECA
Tariff F.C.C. No. 5.

	<u>Monthly Rates</u>	<u>Nonrecurring Rates</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$32.43	\$450.00
- Four-Wire	\$51.89	\$450.00
(B) Chanel Mileage		
(1) Channel Mileage Facility Per Mile	\$2.32	
(2) Channel Mileage Termination Per Termination	\$23.22	
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
- Two-Wire	\$3.91	
- Four-Wire	\$3.91	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)Monthly
Rate

(D) Optional Features and Functions (Cont'd)

(1) Bridging (Cont'd)

Monthly
Rate

(b) Data Bridging per port

- Two-Wire

\$5.47

- Four-Wire

\$3.91

(c) Telephone Bridging per port

- Two-Wire

\$3.91

- Four-Wire

\$3.91

(d) DATAPHONE Select-A-Station Bridging

(1) Sequential Arrangement, Ports Per channel connected

- Two-Wire

\$13.34

- Four-Wire

\$70.73

(2) Addressable Arrangement, Ports Per channel connected

- Two-Wire

\$14.27

- Four-Wire

\$61.79

(e) Telemetry and Alarm Bridging

(1) Active Bridging Channel Connections

Per channel connected

- Split Band

\$6.23

- Summation

\$2.44

(2) Passive Bridging Channel Connections

- Per channel connected

\$0.17

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

(D)	Optional Features and Functions (Cont'd)	Monthly Rate
(2)	Conditioning Per Termination	
	- Improved Attenuation Distortion*	None
	- Improved Envelope Delay Distortion*	None
	- Data Capability	\$5.12
	- Telephoto Capability	\$5.44
	- Sealing Current	None
(3)	Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination	
	- Two-Wire	\$8.21
	- Four-Wire	\$8.21
(4)	Customer Specified Receive Level per two-wire termination	\$6.20

- Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)

	Monthly Rate
(C) Optional Features and Functions (Cont'd)	
(5) Multiplexing Per arrangement Voice to Telegraph Grade	\$135.96
(6) Signaling Capability Per termination	\$13.14
(7) Selective Signaling Arrangement Per arrangement	\$3.91
(8) Transfer Arrangement (key activated* or Dial-Up**)	
- Per four port arrangement including control channel termination***	\$1.87
- Per five port arrangement including control channel termination***	\$4.30
(9) Public Packet Switching Network (PPSN) Interface Arrangement Per arrangement	ICB

ICB rates and charges are filed in 17.3.9 following.

* The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wirecenter.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.5 Program Audio Service

Regulations concerning Program Audio Service are set forth in Section 7.7 of the NECA Tariff F.C.C. No. 5.

			<u>Nonrecurring Charge</u>	
(A) Channel Termination Per Termination	<u>Monthly Rate</u>	<u>Daily* Rate</u>	<u>Monthly</u>	<u>Daily</u>
- 200 to 3500 Hz	\$34.38	\$3.44	\$450.00	\$450.00
- 100 to 5000 Hz	\$59.85	\$5.99	\$450.00	\$450.00
- 50 to 8000 Hz	\$59.85	\$5.99	\$450.00	\$450.00
- 50 to 15000 Hz	\$59.85	\$5.99	\$450.00	\$450.00
(B) Channel Mileage				
(1) Channel Mileage Facility Per Mile			<u>Monthly Rate</u>	<u>Daily* Rate</u>
- 200 to 3500 Hz			\$2.32	\$0.23
- 100 to 5000 Hz			\$4.62	\$0.47
- 50 to 8000 Hz			\$6.93	\$0.69
- 50 to 15000 Hz			\$9.24	\$0.92
(2) Channel Mileage Termination Per Termination				
- 200 to 3500 Hz			\$23.22	\$2.33
- 100 to 5000 Hz			\$46.42	\$4.64
- 50 to 8000 Hz			\$69.65	\$6.97
- 50 to 15000 Hz			\$92.85	\$9.29

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Special Access Service (Cont'd)17.3.5 Program Audio Service (Cont'd)

	<u>Monthly Rate</u>	<u>Daily* Rate</u>
(C) Optional Features and Functions		
(1) Bridging, Distribution Amplifier Per Port	\$12.00	\$1.20
(2) Gain Conditioning Per Service	\$8.38	\$0.84
(3) Stereo per service	\$14.84	\$1.48

- Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8 of the NECA Tariff
F.C.C. No. 5.

			Nonrecurring	
			Charge	
	<u>Monthly</u>	<u>Daily*</u>	<u>Monthly</u>	<u>Daily*</u>
	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>
(A) Channel Termination				
Per Termination				
- TV-1 or 2	\$355.15	\$195.33	\$330.00	\$330.00
- 4TV-5	\$355.15	\$195.33	\$330.00	\$330.00
- 6TV-5	\$355.15	\$195.33	\$330.00	\$330.00
- TV-15	\$355.15	\$195.33	\$330.00	\$330.00
(B) Channel Mileage				
			<u>Monthly</u>	<u>Daily*</u>
			<u>Rate</u>	<u>Rate</u>
(1) Channel Mileage Facility				
Per Mile				
- All			\$302.28	\$166.26
(2) Channel Mileage Termination Per				
Termination				
- All			\$322.07	\$177.14

* Daily rates will be topped and maximum rates derived as set forth in 7.2.2(B) preceding.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9 of the NECA Tariff F.C.C. No. 5.

	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
(A) Channel Termination Per termination		
- 2.4 kbps	\$60.00	\$390.00
- 4.8 kbps	\$60.00	\$390.00
- 9.6 kbps	\$60.00	\$390.00
- 19.2 kbps	\$60.00	\$390.00
- 56.0 kbps	\$59.83	\$390.00
- 64.0 kbps	\$60.00	\$390.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile		
- 2.4 kbps	\$2.20	
- 4.8 kbps	\$2.20	
- 9.6 kbps	\$2.20	
- 19.2 kbps	\$2.20	
- 56.0 kbps	\$3.11	
- 64.0 kbps	\$3.11	
(2) Channel Mileage Termination Per Termination		
- 2.4 kbps	\$22.06	
- 4.8 kbps	\$22.06	
- 9.6 kbps	\$22.06	
- 19.2 kbps	\$22.06	
- 56.0 kbps	\$31.35	
- 64.0 kbps	\$31.35	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service (Cont'd)

(C) Optional Features and Functions	Monthly Rate
(1) Bridging Per port	\$5.27
(2) Loop Transfer Arrangement Per four	\$3.73
(3) Public Packet Switching Network Interface Arrangement	
- Per 9.6 kbps arrangement	ICB
- Per 56.0 kbps arrangement	ICB
 (D) Channel Service Unit Per Termination****	
- 2.4 kbps	\$18.67
- 4.8 kbps	\$18.67
- 9.6 kbps	\$18.67
- 56.0 kbps	\$18.67

* An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional Channel Mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.
ICB Rates and Charges are filed in 17.3.9 following.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10 of the NECA
Tariff F.C.C. No. 5

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Terminate		
- DS1 1.544 Mbps	\$149.18	\$330.00
- DS1C 3.152 Mbps	ICB	ICB
- DS2 6.312 Mbps	ICB	ICB
- Capacity of 1 DS3 44.736 Mbps Interface		
- per DS3 Channel Installed	\$147.88	\$445.00
- DS4 274.176 Mbps	ICB	ICB
(B) Channel Mileage	Monthly	
(1) Channel Mileage Facility	Rate	
Per Mile		
- 64 kbps*	\$3.11	
- 1.544 Mbps	\$9.23	
- 3.152 Mbps	ICB	
- 6.312 Mbps	ICB	
- 44.736 Mbps	\$13.85	
- 274.176 Mbps	ICB	

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps. ICB rates and charges are filed in 17.3.9 following.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination

Monthly Rate

Per Termination

- 64 kbps*	\$31.35
- 1.544 Mbps	\$47.83
- 3.152 Mbps	ICB
- 6.312 Mbps	ICB
- 44.736 Mbps	\$71.75
- 274.176 Mbps	ICB

(C) Term Discounts DS1 and

Percentage

DS3 services 36

months

10%

60 months

20%

(D) Optional Features and Functions

Monthly Rate

(1) Multiplexing, per arrangement

DS4 to DS1

ICB

DS3 to DS1

\$285.09

DS2 to DS1

ICB

DS1C to DS1

ICB

DS1 to Voice **

\$117.66

DS1 to DS0

\$117.66

DS0 to Subrates

- Up to 20 2.4 kbps services	\$281.30
- Up to 10 4.8 kbps services	\$191.15
- Up to 5 9.6 kbps services	\$169.50

* Applies to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.
ICB rates and charges are filed in 17.3.9 following.

** A channel of this DS1 to the Hub can be used for Digital Data service.
ICB rates and charges are filed in 17.3.9 following.

Issue Date: June 17, 2019

Effective Date: July 2, 2019

Director – Access Tariffs
526 Chapel Hills Drive | Suite 100 | Colorado Springs | CO | 80920

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
(2)	Automatic Loop Transfer Per arrangement*	\$94.96	
(3)	Transfer Arrangement (key activated** or Dial-Up***) Per four port arrangement including control channel termination****	\$103.51	
(4)	Clear Channel Capability - per 1.544 Mbps transmission path	None	
(5)	Shared SONET Ring Interoffice Transport - per DS3 Channel Mileage Facility	None	
(E)	Network Channel Terminating Equipment (NCTE) Per termination - 1.544 Mbps	\$53.86	
	- Automatic Loop Transfer	\$216.39	
(G)	DSL Access Service Connection - Per 1.544 Mbps	\$150.54	\$450.00
	-Per 44.736 Mbps	\$1,045.41	\$650.00

* An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.

** The key activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from 13.3.4 preceding.

**** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.10 RESERVED FOR FUTURE USE

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11 of the NECA Tariff F.C.C. No. 5.

-

(A) Channel Termination Per Termination	Monthly Rate	Nonrecurring Charge
---	-----------------	------------------------

- OC3/OC3c 155.52 Mbps	\$154.69	\$360.00
- OC12 622.08 Mbps	\$193.33	\$360.00

(B) Channel Mileage Facility Per Mile

- OC3/OC3c 155.52 Mbps	\$20.78
- OC12 622.08 Mbps	\$26.08

(C) Channel Mileage Termination Per Termination

- OC3/OC3c 155.52 Mbps	\$143.50
- OC12 622.08 Mbps	\$312.45
(D) Term Discount	<u>Percentage</u>

OC3/OC3c and OC12 Services

36 months	10%
60 months	20%

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.3 Special Access Service (Cont'd)17.3.11 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

			Monthly Rate	Nonrecurring Charge
(1) Customer Node Per Node				
-	OC3/OC3c	155.52 Mbps	\$291.71	\$640.00
-	OC12	622.08 Mbps	\$842.71	\$640.00
Customer Premises Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$112.03	
-	STS-1	51.84 Mbps	\$114.93	\$640.00
-	DS3	44.736 Mbps	\$114.93	\$640.00
-	DS1	1.544 Mbps	\$29.46	\$640.00
(2) Add/Drop Multiplexing Central Office Port Per Port				
-	OC3/OC3c	155.52 Mbps	\$112.03	
-	DS3	44.736 Mbps	\$58.93	
-	DS1	1.544 Mbps	\$23.57	
(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility				
-	OC3/OC3c		None	
-	OC12		None	
(4) DSL Access Service Connection				
-	Per OC3/OC3c		\$1,831.56	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4.1 Access Ordering

	Charge	Tariff Section Reference
(A) <u>Access Order Charge</u> Per Order	\$61.53	5.4.1
(B) <u>Service Date Change Charge</u> A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The application charge is: Service Date Change Charge, per order	\$42.93	
(B) <u>Design Change Charge</u> The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is: Design Change Charge, per order	\$60.10	5.4.3
(C) <u>Miscellaneous Service Order Charge</u> Per Occurrence	\$88.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>		<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled workday, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

		Each Half Hour or	
	<u>Additional Labor Periods</u>	<u>Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Installation or Repair		
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$47.57*	13.2.1 & 13.2.2
-	Premium Time, outside of scheduled workday, per technician	\$63.42*	13.2.1 & 13.2.2
(B)	Stand by		
-	Basic time, normally scheduled working hours, per technician	\$21.18*	13.2.3
-	Overtime, outside of normally scheduled working hours on a scheduled workday, per technician	\$31.77*	13.2.3
-	Premium Time, outside of scheduled workday, per technician	\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor (Cont'd)Additional Labor Periods

Each Half Hour or Fraction Thereof

(B) Testing and Maintenance with other Telephone Companies, or Other Labor	Installation and Repair <u>Technician</u>	Central Office Maintenance <u>Technician</u>	Tariff Section <u>Reference</u>
- Basic Time per technician normally scheduled working hours	\$31.71	\$34.66	13.2.4 & 13.2.5
- Overtime per technician outside of normally scheduled working hours on a scheduled workday,	\$47.57*	\$51.99*	13.2.4 & 13.2.5
- Premium Time per technician outside of scheduled workday	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.3 Miscellaneous Services(A) Additional Cooperative Acceptance Testing – Switch Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(A)(1)

(B) Additional Automatic Testing- Switched AccessTo First Point of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing – Switched Access
To First Point of Switching

	<u>Each Half Hour Or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Additional Tests		
Gain-Slope, C-Notched Noise and any other agreed to tests, per technician	See the rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(A)(3)
<u>(D) Additional Cooperative Acceptance Testing – Special Access</u>	<u>Each Half Hour Or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(B)(1)

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(E) Additional Manual Testing – Switched Access
To First Point of Switching

Additional Tests
Basic Time, Overtime*
and Premium Time*

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in
17.4.3(C) preceding

13.3.1(B)(2)

(F) Additional Cooperative Acceptance Testing – Special
Access

Basic Time, Overtime* and Premium Time*

Each Half Hour
Or Fraction Thereof

Tariff Section
Reference

See the rates for
Additional Labor as
set forth in
17.4.3(C) preceding

13.32

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(G) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	<u>Monthly Rate</u>	
Per Arrangement	\$100.00	13.3.4

(I) Presubscribed Interexchange
Carrier (PIC) Change Charge*

13.4

Per Telephone Exchange Service
Line or trunk for each interLATA
PIC change:

(1) Submitted using manual methods	\$5.50
(2) Submitted using electronic methods	\$1.25
(3) Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75
(4) Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associate charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to misassignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(K) Blocking Service*

	Nonrecurring <u>Charge</u>	Tariff Section <u>Reference</u>
- Per exchange service eline, or trunk and/or per Feature Group A Switched Access Line	\$11.20	13.8

(L) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$ 0.33	13.9.4(A)
- Optional Magnetic Tape Charge- Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge		
- Per each half hour	\$37.20	13.9.4(C)

(M) Originating Line Screening (OLS)
Service

- Per exchange service line	\$7.95	13.10
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(N) Coin Supervision Additive Service

	Monthly <u>Rate</u>	
- Per exchange service line	\$2.21	13.12

- * Blocking access to 900 Service is offered to all subscribers at no charge
- (a) from November 1, 1993 through December 31, 1993 and
 - (b) at the time telephone service is established at a new number and for 60 days thereafter.

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)

(O) Access Recovery Charge (ARC)

Regulations concerning Access Recovery charge are set forth in Section 13.15 of the NECA Tariff F.C.C. No. 5.

(1)	<u>Access Recovery Charge (ARC)</u>	<u>Rates</u>
	Residence	
-	Individual line or trunk, each	\$0.00
(2)	<u>Access Recovery Charge (ARC)</u>	
	Single Line Business	
-	Individual line or trunk, each	\$3.00
(3)	<u>Access Recovery Charge (ARC)</u>	
	Multi Line Business	
-	Individual line or trunk, each	\$3.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Federal Government Access Services

(A) <u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type I, each T-3 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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Type II, each G-4 Conditioning,	ICB rates and charges apply		
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Type III, each G-5 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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Type IV, each G-6 Conditioning,	ICB rates and charges apply		
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Additional Conditioning, per service termination	ICB rates and charges apply		
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(B) Wideband Digital Special Access Service

<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
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Type I, each	ICB rates and charges apply		
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Type II, each	ICB rates and charges apply		
---------------	-----------------------------	--	--

Type III, each	ICB rates and charges apply		
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ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.5 Special Facilities Routing of Access Services(A) Diversity

For each service provided in accordance with Section 11.1.1 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(B) Avoidance

For each service provided in accordance with Section 11.1.2 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

(C) Diversity and Avoidance Combined

For each service provided in accordance with Sections 11.1.1 and 11.1.2 of the NECA Tariff F.C.C. No. 5, combined, the rates and charges will be developed on an individual case basis. (Reserved for future use.)

(D) Cable-Only Facilities

For each service provided in accordance with Section 11.1.4 of the NECA Tariff F.C.C. No. 5, the rates and charges will be developed on an individual case basis.

(Reserved for future use.)

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.7 Specialized Service or Arrangements

None

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Access
Service are set forth in Section 16.1 of the NECA Tariff F.C.C. No. 5.

	Monthly Rate	Nonrecurring Charge
<u>Connections</u>		
(1) <u>Frame Relay Access Connection (FRAC) (per FRAC)</u>		
56.0 kbps	\$122.69	\$345.00
64.0 kbps	\$122.69	\$345.00
1.544 Mbps	\$260.98	\$345.00
44.736 Mbps	\$1,937.02	\$345.00
(2) <u>Frame Relay Inter-network Connection (FRIC)</u>		
(per FRIC)		
1.544 Mbps	\$260.98	\$345.00
44.736 Mbps	\$1,937.02	\$345.00
(3) <u>End User Port (per port)</u>		
56.0 kbps	\$50.03	
64.0 kbps	\$50.03	
1.544 Mbps	\$116.50	
44.736 Mbps	\$887.34	
(4) <u>Inter-network Customer Port (per port)</u>		
1.544 Mbps	\$116.50	
44.736 Mbps	\$887.34	
(5) <u>Term Discounts</u>		
	<u>Percentage</u>	
36 months	10%	
60 months	20%	

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(A) Frame Relay Access Service (Cont'd)(6) Permanent Virtual Connections (PVCs)

(a) Standard

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$3.57
16 kbps	\$3.57
28 kbps	\$4.28
32 kbps	\$4.28
56 kbps	\$5.01
64 kbps	\$5.01
128 kbps	\$6.42
192 kbps	\$8.58
256 kbps	\$10.01
384 kbps	\$14.30
512 kbps	\$20.01
768 kbps	\$25.73

(b) Extended

<u>CIR</u>	<u>Monthly Rate</u>
8 kbps	\$4.28
16 kbps	\$4.28
28 kbps	\$5.43
32 kbps	\$5.43
56 kbps	\$10.60
64 kbps	\$10.60
128 kbps	\$23.22
192 kbps	\$31.26
256 kbps	\$41.57
384 kbps	\$66.58
512 kbps	\$83.16
768 kbps	\$124.49

Nonrecurring
Charge

(7) <u>PVC Installation Charge</u>	\$64.00
(8) <u>PVC Rearrangement Charge</u>	\$32.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, of the NECA Tariff F.C.C. No. 5.

(1) Ports

(a) Per Basic UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$319.42	\$390.00
44.736 Mbps	\$1,774.48	\$390.00
155.52 Mbps	\$2,749.59	\$390.00
622.08 Mbps	\$3,991.15	\$390.00

(b) Per Ethernet-based UNI or NNI Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$491.97	\$1,780.00
100 Mbps	\$928.42	\$1,780.00
1 Gbps	\$1,795.34	\$3,233.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

Monthly

Nonrecurring

RateCharge

\$3.60

\$64.00

(b) Capacity Charge, Per Megabit of Capacity, Per Path

-Path Size 1 to 50 Mbps

CBRVBR-rt

VBR-nrt

UBR

\$20.55

\$16.44

\$12.34

\$10.27

- Path Size 51 to 150 Mbps

\$18.49

\$14.39

\$10.27

\$8.22

- Path Size Over 150 Mbps

\$14.39

\$10.27

\$8.22

\$6.16

(3) Virtual Circuit Channels, Per Virtual Circuit

Channel

Monthly

Nonrecurring

RateCharge

\$3.52

\$64.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(3) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic Uni or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u>	<u>Nonrecurring Charge</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
\$21.08	\$64.00

(iv) Per MM-VCC

<u>Per 1 Mbps Increment</u>	<u>Per 4 bps Increment</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$1.39	\$2.68	\$7.00

(v) Per MM-VCC Design Change

Nonrecurring Charge
\$6.00

(4) ATM-CRS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges –United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3 of the NECA Tariff F.C.C. No. 5.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$27.89	\$295.00
5 Mbps	\$34.38	\$295.00
10 Mbps	\$39.56	\$295.00
20 Mbps	\$43.46	\$295.00
50 Mbps	\$50.27	\$295.00
100 Mbps	\$56.10	\$295.00
200 Mbps	\$62.59	\$295.00
250 Mbps	\$70.05	\$295.00
300 Mbps	\$70.05	\$295.00
400 Mbps	\$79.78	\$295.00
500 Mbps	\$105.62	\$442.00
600 Mbps	\$114.80	\$442.00
700 Mbps	\$125.13	\$442.00
750 Mbps	\$133.94	\$442.00
800 Mbps	\$133.94	\$442.00
900 Mbps	\$146.18	\$442.00
1 Gbps	\$158.81	\$442.00
2.5 Gbps	\$297.34	\$442.00
5 Gbps	\$396.45	\$442.00
10 Gbps	\$462.65	\$442.00

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$112.86	\$295.00
5 Mbps	\$114.15	\$295.00
10 Mbps	\$115.78	\$295.00
20 Mbps	\$130.69	\$295.00
50 Mbps	\$147.88	\$295.00
100 Mbps	\$154.69	\$295.00
200 Mbps	\$157.93	\$295.00
250 Mbps	\$161.50	\$295.00
300 Mbps	\$161.50	\$295.00
400 Mbps	\$187.45	\$295.00
500 Mbps	\$252.18	\$442.00
600 Mbps	\$259.45	\$442.00
700 Mbps	\$277.06	\$442.00
750 Mbps	\$290.45	\$442.00
800 Mbps	\$290.45	\$442.00
900 Mbps	\$312.26	\$442.00
1 Gbps	\$336.37	\$442.00
2.5 Gbps	\$649.02	\$442.00
5 Gbps	\$985.77	\$442.00
10 Gbps	\$1,347.01	\$442.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports

(a) Per ETS Basic Port

Capacity	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$40.58	\$259.00
5 Mbps	\$45.04	\$259.00
10 Mbps	\$49.51	\$259.00
20 Mbps	\$55.19	\$259.00
50 Mbps	\$58.44	\$259.00
100 Mbps	\$63.71	\$259.00
200 Mbps	\$71.42	\$259.00
250 Mbps	\$79.54	\$259.00
300 Mbps	\$79.54	\$259.00
400 Mbps	\$90.90	\$259.00
500 Mbps	\$120.19	\$388.00
600 Mbps	\$130.72	\$388.00
700 Mbps	\$142.70	\$388.00
750 Mbps	\$152.27	\$388.00
800 Mbps	\$152.27	\$388.00
900 Mbps	\$166.64	\$388.00
1 Gbps	\$180.52	\$388.00
2.5 Gbps	\$338.54	\$388.00
5 Gbps	\$451.07	\$388.00
10 Gbps	\$526.25	\$388.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$661.51	\$175.00
155.52 Mbps	\$793.82	\$262.00
622.08 Mbps	\$1,323.03	\$262.00

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$0.00	\$205.00
5 Mbps	\$0.00	\$205.00
10 Mbps	\$0.00	\$205.00
20 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2 Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.00	\$0.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$0.00	\$205.00
100 Mbps	\$0.00	\$205.00
250 Mbps	\$0.00	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.06	\$0.11

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
500 Mbps	\$0.00	\$307.00
750 Mbps	\$0.00	\$307.00
1 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 500 Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.06	\$0.11

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)(a) Per Intraswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$0.00	\$307.00
5 Gbps	\$0.00	\$307.00
10 Gbps	\$0.00	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of
2.5 Mbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.06	\$0.11

(b) Per Interswitch ETSEVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$17.45	\$205.00
5 Mbps	\$23.58	\$205.00
10 Mbps	\$44.23	\$205.00
20 Mbps	\$88.46	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2
Mbps to 20 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.19	\$0.37

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
50 Mbps	\$119.33	\$205.00
100 Mbps	\$189.91	\$205.00
250 Mbps	\$266.43	\$205.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 50 Mbps to 250 Mbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.19	\$0.37

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
300 Mbps	\$331.94	\$205.00
400 Mbps	\$402.34	\$205.00
500 Mbps	\$559.77	\$307.00
600 Mbps	\$644.85	\$307.00
700 Mbps	\$728.82	\$307.00
750 Mbps	\$755.69	\$307.00
800 Mbps	\$755.69	\$307.00
900 Mbps	\$824.26	\$307.00
1 Gbps	\$895.92	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 300Mbps to 1 Gbps

Monthly Rate Per CoS Level, Per Megabit

<u>Near Real Time CoS</u>	<u>Real Time CoS/QoS</u>
\$0.19	\$0.37

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(9) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC (Cont'd)

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.5 Gbps	\$1,959.83	\$307.00
5 Gbps	\$3,359.70	\$307.00
10 Gbps	\$4,031.64	\$307.00

Class of Service (CoS) Levels for Intraswitch ETS EVC at speeds of 2.5 Gbps to 10 Gbps

Monthly Rate Per CoS Level, Per Megabit

Near Real
Time CoS
\$0.19

Real Time
CoS/QoS
\$0.37

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)Per ETS E-EVC

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$11.60	\$410.00
5 Mbps	\$14.69	\$410.00
10 Mbps	\$26.46	\$410.00
20 Mbps	\$52.92	\$410.00
50 Mbps	\$79.32	\$410.00
100 Mbps	\$127.48	\$410.00
250 Mbps	\$223.09	\$410.00
500 Mbps	\$382.44	\$615.00
750 Mbps	\$525.86	\$615.00
1 Gbps	\$637.40	\$615.00
2.5 Gbps	\$1,115.45	\$615.00
5 Gbps	\$1,912.20	\$615.00
10 Gbps	\$2,294.64	\$615.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

- a. Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$48.68	\$410.00
5 Mbps	\$63.19	\$410.00
10 Mbps	\$122.55	\$410.00
20 Mbps	\$232.80	\$410.00
50 Mbps	\$385.64	\$410.00
100 Mbps	\$544.74	\$410.00
250 Mbps	\$1,239.62	\$410.00
500 Mbps	\$1,698.33	\$615.00
750 Mbps	\$2,278.22	\$615.00
1 Gbps	\$2,883.95	\$615.00
2.5 Gbps	\$5,551.02	\$615.00
5 Gbps	\$8,436.17	\$615.00
10 Gbps	\$11,534.33	\$615.00

- b. Per ETS I-EVC when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles.

<u>Capacity</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$81.53	\$410.00
5 Mbps	\$129.08	\$410.00
10 Mbps	\$251.36	\$410.00
20 Mbps	\$339.67	\$410.00
50 Mbps	\$687.29	\$410.00
100 Mbps	\$837.84	\$410.00
250 Mbps	\$1,453.12	\$410.00
500 Mbps	\$1,989.86	\$615.00
750 Mbps	\$2,677.13	\$615.00
1 Gbps	\$3,403.69	\$615.00
2.5 Gbps	\$6,553.46	\$615.00
5 Gbps	\$9,955.49	\$615.00
10 Gbps	\$13,614.40	\$615.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(E) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions

a. DSL Access Service Connection

i. Per ETS Basic Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
2 Mbps	\$150.00
5 Mbps	\$150.00
10 Mbps	\$150.00
20 Mbps	\$150.00
50 Mbps	\$150.00
100 Mbps	\$150.00
250 Mbps	\$150.00
500 Mbps	\$225.00
750 Mbps	\$225.00
1 Gbps	\$225.00
2.5 Gbps	\$225.00
5 Gbps	\$225.00
10 Gbps	\$225.00

(ii) Per ETS Interconnection Port equipped

<u>Capacity</u>	<u>Nonrecurring Charge</u>
44.736 Mbps	\$150.00
155.52 Mbps	\$225.00
622.08 Mbps	\$225.00

(iii) Per ETS MM-VCC

<u>One-Way Monthly Rate Per 10 Mbps</u>	<u>Two-Way Monthly Rate Per 10 Mbps</u>	<u>Nonrecurring Charge Per MM-VCC</u>
\$1.27	\$1.57	\$7.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Feature and Functions(a) DSL Access Service Connection (Cont'd)(iv) Per ETS LBR-VCC

<u>Monthly Rate</u> <u>Per 64 kbps</u>	<u>Nonrecurring</u> <u>Charge Per LBR-VCC</u>
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\$0.51	\$7.00
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<u>Nonrecurring</u> <u>Charge</u>

(b) Per ETS Design Change \$6.00(c) ETS Port Protection

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>
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(i) Per feature when customer designated premises located within 300 feet of ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$101.66	\$560.00
- 2.5 Gbps to 10 Gbps	\$253.96	\$560.00

(ii) Per feature when customer designated premises located more than 300 feet from ETS SWC at speeds of:

- 2 Mbps to 1 Gbps	\$234.10	\$560.00
- 2.5 Gbps to 10 Gbps	\$569.23	\$560.00

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Service (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)

(d) ETS Bandwidth Add-On (BAO)

- (i)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Basic Port at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$1.70

- (ii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located within 300 feet of ETS SWC

Monthly Rate
Per 10 Mbps
\$1.78

- (iii)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Channel Termination at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when customer designated premises is located more than 300 feet from of ETS SWC

Monthly Rate
Per 10 Mbps
\$2.13

- (iv)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Intraswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$0.00

- (v)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Interswitch EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$14.31

- (vi)
- Per 10 Mbps increment included in an ETS BAO added to an ETS Extended EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps

Monthly Rate
Per 10 Mbps
\$9.71

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) Optional Features and Functions (Cont'd)(d) ETS Bandwidth Add-On (BAO) (Cont'd)

- (ix) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is less than or equal to fifty miles

Monthly Rate Per
10 Mbps
\$117.38

- (x) Per 10 Mbps increment included in an ETS BAO added to an ETS interconnected EVC at speeds of 50 Mbps, 100 Mbps, 250 Mbps, 500 Mbps or 750 Mbps when the airline distance between the ETS SWCs serving the customer designated premises is between fifty-one and seventy-five miles

Monthly Rate Per
10 Mbps
\$171.55

(7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
36 months	10%
60 months	20%

(8) ETS Volume Discount Plan Number of

<u>Committed ETS Ports In-Service On Bill Date</u>	<u>Percentage</u>
0 to 4	0%
5 to 24	10%
25 and above	20%

ACCESS SERVICE

17. Rates and Charges – United Communications dba United Telephone Company (Cont'd)17.4 Other Services (Cont'd)17.4.8 (D) Internet Protocol Gateway Access Service
RESERVED FOR FUTURE USE17.4.9.1 Digital Subscriber Line Access Service
RESERVED FOR FUTURE USE