

ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page No.</u>
Check Sheets	1
Table of Contents	6
Concurring Carriers	17
Connecting Carriers	17
Other Participating Carriers	17
Explanation of Symbols	18
Explanation of Abbreviations	18
Reference to Other Tariffs	20
Reference to Technical Publications	20
1. <u>Application of Tariff</u>	1-1
2. <u>General Regulations</u>	2-1
2.1 <u>Undertaking of the Telephone Company</u>	2-1
2.1.1 Scope	2-1
2.1.2 Limitations	2-1
2.1.3 Liability	2-1
2.1.4 Provision of Services	2-2
2.1.5 Installation and Termination of Services	2-3
2.1.6 Maintenance of Services	2-3
2.1.7 Changes and Substitutions	2-3
2.1.8 Discontinuance and Refusal of Services	2-4
2.1.9 Limitation of Use of Metallic Facilities	2-4
2.1.10 Rights to Telephone Numbers	2-4
2.1.11 Representations	2-5

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

2.	<u>General Regulations</u> (Cont'd)	
2.2	<u>Use</u>	2-5
	2.2.1 Interference or Impairment	2-5
	2.2.2 Unlawful Use	2-5
2.3	<u>Obligations of the Customer</u>	2-6
	2.3.1 Damages and Indemnification	2-6
	2.3.2 Return of Facilities	2-7
	2.3.3 Equipment Space and Power	2-7
	2.3.4 Availability for Testing	2-7
	2.3.5 Balance	2-7
	2.3.6 Design of Customer Services	2-7
	2.3.7 References to the Telephone Company	2-8
	2.3.8 Coordination with Respect to Network Contingencies	2-8
	2.3.9 Assignment or Transfer of Services	2-8
	2.3.10 Certification of Special Access Services (Lines) as Interstate	2-9
2.4	<u>Payment Arrangements and Credit Allowances</u>	2-11
	2.4.1 Payment of Rates, Charges and Deposits	2-11
	2.4.2 Minimum Periods	2-13
	2.4.3 Credit Allowance for Service Interruptions	2-14
	2.4.4 Access Services Provided by More Than One Telephone Company	2-17
2.5	<u>Connections</u>	2-21
2.6	<u>Definitions</u>	2-21

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

3.	<u>End User Access Service</u>	3-1
3.1	<u>End User Subscriber Line Charge</u>	3-1
	3.1.1 General Description	3-1
	3.1.2 Undertaking of the Telephone Company	3-1
	3.1.3 Rate Regulations	3-1
3.2	<u>Presubscribed Interexchange Carrier Charge (PICC)</u>	3-4
	3.2.1 General Description	3-4
	3.2.2 Rate Regulations	3-4
3.3	<u>Line Port Rates</u>	3-6
	3.3.1 General Description	3-6
3.4	<u>Payment Arrangements and Credit Allowances</u>	3-7
	3.4.1 Payment of Rates, Charges and Deposits	3-7
3.5	<u>Universal Service Fund Recovery Charge</u>	3-7
4.	<u>Switched Access Service</u>	4-1
4.1	<u>General</u>	4-1
	4.1.1 Feature Group Arrangements	4-2
	4.1.2 Rate Elements	4-5
	4.1.3 Circuit Design Layout	4-23
	4.1.4 Acceptance Testing	4-24
	4.1.5 Special Facilities Routing	4-24
	4.1.6 Ordering Options and Conditions	4-24
4.2	<u>Provision and Description of Switched Access Service Feature Groups</u>	4-25
	4.2.1 Feature Group A	4-26
	4.2.2 Feature Group B	4-30
	4.2.3 Feature Group C	4-33
	4.2.4 Feature Group D	4-37
	4.2.5 Optional Features	4-42
	4.2.6 Optional Blocking and Screening Service	4-53
	4.2.7 800 Data Base Access Service	4-55
	4.2.8 Billing Name and Address	4-58

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

4.	<u>Switched Access Service (Cont'd)</u>	
4.3	<u>Obligations of the Telephone Company</u>	4-60
4.3.1	Network Management	4-60
4.3.2	Design and Traffic Routing of Switched Access Service	4-60
4.3.3	Provision of Service Performance Data	4-61
4.3.4	Trunk Group Measurement Reports	4-61
4.3.5	Determination of Number of Transmission Paths	4-61
4.3.6	Determination of Number of End Office Terminations	4-61
4.3.7	Design Blocking Probability	4-62
4.4	<u>Obligations of the Customer</u>	4-65
4.4.1	Report Requirements	4-65
4.4.2	On and Off Hook Supervision	4-65
4.4.3	Customer's V&H Locations	4-65
4.5	<u>Transmission Performance Capabilities</u>	4-66
4.5.1	Standard Transmission Performance	4-66
4.5.2	Data Transmission Parameters	4-72
4.6	<u>Rate Regulations</u>	4-75
4.6.1	Types of Rates and Charges	4-75
4.6.2	Minimum Periods	4-77
4.6.3	Minimum Monthly Charge	4-77
4.6.4	Change of Feature Group Type	4-77
4.6.5	Moves	4-78
4.6.6	Accumulation of Number of Transmission Paths	4-78
4.6.7	Recording of Minutes of Use	4-79
4.6.8	Determination of Interstate Usage for Mixed Interstate and Intrastate Switched Access Service	4-80
4.6.9	Message Unit Credit	4-83
4.6.10	Certain Local Services	4-83
4.6.11	Premium and Transitional Charges	4-84
4.6.12	Mileage Measurement	4-87
4.6.13	Shared Use	4-92
4.6.14	Application of Rates for Extension Service	4-92
4.6.15	Shared Transport	4-92

 ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

5.	<u>Special Access Service</u>	5-1	
5.1	<u>General</u>	5-1	(C)
	5.1.1 Channel Types	5-1	
	5.1.2 Rate Categories	5-2	
	5.1.3 Protocol Combinations	5-4	
	5.1.4 Service Configurations	5-4	
	5.1.5 Special Facilities Routing	5-5	
	5.1.6 Circuit Design Layout	5-5	
	5.1.7 Acceptance Testing	5-5	
	5.1.8 Ordering Options and Conditions	5-5	
	5.1.9 Alternate Use	5-6	
5.2	<u>Technical Service Descriptions for Special Access Service</u>	5-6	
	5.2.1 Analog Services	5-7	
	5.2.2 Digital Services	5-30	
5.3	<u>Protocol Codes</u>	5-38	
	5.3.1 Glossary of Protocol Codes and Options	5-39	
	5.3.2 Impedance	5-42	
	5.3.3 Digital Hierarchy Protocol Codes (4DSX)	5-43	
5.4	<u>Rate Regulations</u>	5-44	
	5.4.1 Types of Rates and Charges	5-44	
	5.4.2 Minimum Periods	5-45	
	5.4.3 Moves	5-45	
	5.4.4 Mileage Measurement	5-46	
	5.4.5 Shared Use Analog and Digital Capacity Services	5-46	
	5.4.6 Special Access Surcharge	5-47	
	5.4.7 Facility Hubs	5-50	
	5.4.8 Term Discount Plans	5-52	
6.	<u>Specialized Network Services</u>	6-1	
6.1	<u>General</u>	6-1	
7.	<u>Specialized Service or Arrangements</u>	7-1	
7.1	<u>General</u>	7-1	

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

8.	<u>Additional Engineering, Additional Labor, and Miscellaneous Charges</u>	8-1	
8.1	<u>Additional Engineering</u>	8-1	
8.2	<u>Additional Labor</u>		8-1
8.2.1	Overtime Installation	8-2	
8.2.2	Overtime Repair	8-2	
8.2.3	Additional Installation Testing	8-2	
8.2.4	Standby	8-2	
8.2.5	Testing and Maintenance with Other Telephone Companies	8-2	
8.2.6	Other Labor	8-2	
8.3	<u>Miscellaneous Charges</u>	8-3	
8.3.1	Maintenance of Service Charge	8-3	
8.3.2	Restoration Priority Charge	8-3	
8.3.3	Testing Services	8-7	
8.3.4	Presubscription Procedures	8-10	
8.3.5	Payphone Service: Coin Supervision Additive	8-18	
8.3.6	Service Provider Number Portability Database Service (SPNPDS)	8-19	
9.	<u>Ordering Options for Switched and Special Access Services</u>	9-1	
9.1	<u>General</u>	9-1	
9.1.1	Ordering Conditions	9-1	
9.1.2	Provision of Other Services	9-3	
9.1.3	Special Construction	9-4	
9.2	<u>Facilities Access Order</u>	9-5	
9.2.1	Facilities Access Order Charge	9-5	
9.2.2	Facilities Access Order Modifications	9-6	
9.2.3	Selection of Facilities for Access Orders	9-9	
9.2.4	Minimum Period	9-10	
9.2.5	Minimum Period Charges	9-10	
9.2.6	Cancellation of a Facilities Order		9-11
9.2.7	Facilities Test and Line Up	9-12	
9.2.8	Delayed Activation Credit	9-12	
9.2.9	Discontinuation of Service	9-13	
9.2.10	Access Orders for Service Provided By More Than One Telephone Company		9-13

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

10.	<u>Reserved for Future Use</u>		(C)
			(D)
			(D)
11.	<u>Special Facilities Routing of Access Services</u>	11-1	
	11.1 <u>Description of Special Facilities Routing of Access Services</u>	11-1	
	11.1.1 Diversity	11-1	
	11.1.2 Avoidance	11-1	
	11.1.3 Cable-Only Facilities	11-1	
	11.2 Rates and Charges for Special Facilities Routing of Access Services	11-2	
	11.2.1 Diversity	11-2	
	11.2.2 Avoidance	11-2	
	11.2.3 Diversity and Avoidance Combined	11-2	
	11.2.4 Cable-Only Facilities	11-2	
12.	<u>Special Federal Government Services</u>	12-1	
	12.1 <u>General</u>	12-1	
	12.2 <u>Emergency Conditions</u>	12-1	
	12.3 <u>Intervals to Provide Service</u>	12-2	
	12.4 <u>Availability of Facilities</u>	12-2	
	12.5 <u>Federal Government Regulations</u>	12-2	
	12.6 <u>Service Offerings to the Federal Government</u>	12-2	
	12.6.1 Type and Description	12-3	
	12.6.2 Rate Regulations	12-10	

 ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

13.	<u>Reserved</u>	13-1	(D)
			(D)
14.	<u>Carrier Common Line Access Service</u>	14-1	
	14.1 <u>General Description</u>	14-1	
	14.2 <u>Limitations</u>	14-1	
	14.2.1 Exclusions	14-1	
	14.2.2 Access Groups	14-1	
	14.2.3 WATS Access Lines	14-2	
	14.3 <u>Undertaking the Telephone Company</u>	14-2	
	14.3.1 Provision of Service	14-2	
	14.3.2 Interstate and Intrastate Use	14-2	
	14.4 <u>Obligations of the Customer</u>	14-2	
	14.4.1 Switched Access Service Requirement	14-2	
	14.4.2 Supervision	14-2	

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

14.	<u>Carrier Common Line Access Service (Cont'd)</u>	
14.5	<u>Determination of Usage Subject to Carrier Common Line Access Charges</u>	14-3
	14.5.1 Determination of Jurisdiction	14-3
	14.5.2 Cases Involving Usage Recording By the Customer	14-3
	14.5.3 Local Exchange Access and Enhanced Service Exemption	14-3
14.6	<u>Resold Services</u>	14-4
	14.6.1 Scope	14-4
	14.6.2 Customer Obligations Concerning the Resale of MTS and MTS-type Services	14-4
	14.6.3 Resale Documentation Provided by the Customer	14-5
	14.6.4 Rate Regulations Concerning the Resale of MTS and MTS-type Services	14-5
14.7	<u>Coin Services</u>	14-10
	14.7.1 Collection and Remittance of Coin Station Monies	14-10
	14.7.2 Provision of Message Call Detail Concerning Coin Station Monies	14-10
	14.7.3 Payment of Coin Sent-Paid Monies	14-10
14.8	<u>Rate Regulations</u>	14-13
	14.8.1 Billing of Charges	14-13
	14.8.3 Unmeasured Feature Group A and B Usage	14-13
	14.8.4 Percent Interstate Use (PIU)	14-13
	14.8.5 Determination of Premium and Non-Premium Charges	14-14

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

15.	<u>Rates and Charges</u>	15-1	
15.1	<u>End User Access Service</u>	15-1	
15.2	<u>Switched Access Service</u>	15-2	
15.3	<u>Special Access Service</u>	15-6	
15.4	<u>Miscellaneous Services</u>	15-17	
15.5	<u>Ordering Charges</u>	15-22	
15.6	<u>Special Federal Government Services</u>	15-23	
15.7	<u>Reserved</u>	15-26	
15.8	<u>Carrier Common Line Access Service (CCL)</u>	15-33	
15.9	<u>Competitive and Non-Competitive Counties for Special Access</u>	15-33	(C)

ACCESS SERVICE

TABLE OF CONTENTS (Cont'd)

16.	<u>Grandfathered Services</u>	16-1
16.1	<u>DSL Service</u>	16-1
	16.1.1 General	16-1
	16.1.2 Responsibility of the Telephone Company	16-1
	16.1.3 Rights of the Telephone Company	16-2
	16.1.4 DSL Access Port	16-2
16.2	<u>ADSL Service</u>	16-3
	16.2.1 Service Description	16-3
	16.2.2 ADSL Channel	16-4
	16.2.3 Responsibility of the Customer	16-5
	16.2.4 Rate Elements	16-5
16.3	<u>SDSL Service</u>	16-6
	16.3.1 Service Description	16-6
	16.3.2 SDSL Channel	16-7
	16.3.3 Responsibility of the Customer	16-8
	16.3.4 Rate Regulations	16-8
	16.3.5 Rate Elements	16-9
16.4	<u>Rates and Charges</u>	16-10
	16.4.1 DSL	16-10
	16.4.2 ADSL	16-10
	16.4.3 SDSL	16-14

ACCESS SERVICE

CONCURRING CARRIERS

NO CONCURRING CARRIERS

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

ACCESS SERVICE

Explanation of Symbols

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

Explanation of Abbreviations

ac	Alternating Current
ANI	Automatic Number Identification
AULP	Annual Underutilization Liability Per Pair
AP	Program Audio
BNA	Billing Name and Address
CCSA	Common Control Switching Arrangement(s)
CLLI	Common Language Location Identification
CNCC	Customer Network Control Center
COCTX	Central Office Centrex
Cont'd	Continued
CSACC	Customer Service Administration Control Center
Ctx	Centrex
DA	Digital Data Access
db	decibel
dBrnCO	Decibel Reference Noise C Message Weighted O
dc	direct current
EPSCS	Enhanced Private Switched Communications Service
ESS	Electronic Switching System
ESSX	Electronic Switching System Exchange
EUCL	End User Common Line
800 DB	800 Data Base
f	frequency
FCC	Federal Communications Commission
FX	Foreign Exchange
HC	High Capacity
Hz	Hertz
IC	Interexchange Carrier
ICB	Individual Case Basis
ILP	Initial Liability Period
kbps	kilobits per second
kHz	kilohertz
LDMTS	Long Distance Message Telecommunications Service(s)
Ma	millamperes
Mbps	Megabits per second
Mhz	Megahertz
MOU	Minutes of Use

ACCESS SERVICE

Explanation of Abbreviations (Cont'd)

MRC	Monthly Recurring Charge
MTL	Maximum Termination Liability
NB	Narrowband
NPA	Numbering Plan Area
NRC	Nonrecurring Charge
NTS	Non Traffic Sensitive
NXX	Three Digit Central Office Code
PBX	Private Branch Exchange
PCM	Pulse Code Modulation
PLR	Private Line Ringdown
RC	Rate Category
rms	root mean square
SMS/800	Service Management System/800
SSN	Switched Service Network
SWC	Serving Wire Center
TES	Telephone Exchange Service(s)
TV	Television
USOC	Uniform Service Order Code
VG	Voice Grade
V&H	Vertical & Horizontal
WA	Wideband Analog
WATS	Wide Area Telecommunications Service(s)
WCH	Wire Center Horizontal
WCV	Wire Center Vertical
WD	Wideband Digital

 ACCESS SERVICE

Reference to Other Tariffs

Whenever reference is made in this tariff to other tariffs of Frontier Communications of Minnesota and Iowa, the reference is to the tariffs in force as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

Reference to Technical Publications

The following technical publications are referenced in this tariff and may be obtained from the respective agencies listed below, and from the Federal Communications Commission's commercial contractor:

Technical Reference:

Federal Aviation Administration (FAA) Specifications S-1142a Issued: April, 1964	Available: April, 1964
Department of Transportation Federal Aviation Administration 800 Independence Avenue, SW Washington, D.C. 20591	
Electronic Industries Association, RS-250-B Issued: September, 1976	Available: September, 1976
Electronic Industries Association 2001 Eye Street, NW Washington, D.C. 20006	
Publications as No. 1 Issued: March, 1984	Available: April, 1984
National Exchange Carrier Association, Inc. Group Manager - Tariff Administration 100 South Jefferson Road Whippany, N.J. 07981	

The following technical publications are reference in this tariff and may be obtained for the Literary Data Center, Inc., G.P.O. Box C-9104, Brooklyn, N.Y. 11202

Technical Reference:

Publication 41001 Issued: October, 1983	Available: October, 1978
Publication 62310 Issued: September, 1983	Available: October, 1983

 Issued: February 8, 2010

Effective: February 23, 2010

(This page filed under Transmittal No. 1)
 Vice President, Government and Regulatory Affairs
 180 S. Clinton Ave., Rochester, NY 14646

ACCESS SERVICE

Reference to Technical Publications (Cont'd)

Publication 62411 Issued: September, 1983	Available: October, 1983
Publication 62500 Issued: December, 1983	Available: March 15, 1984
Publication 62501 Issued: December, 1983	Available: March 15, 1984
Publication 62501 Addendum Issued: December, 1983	Available: April, 1984
Publication 62502 Issued: December, 1983	Available: January, 1984
Publication TR NPL 000337 Issued: July, 1987	Available: July, 1987
Publication 62503 Addendum Issued: March, 1984	Available: April, 1984
Publication 62504 Issued: December, 1983	Available: March 15, 1984
Publication 62504 Addendum Issued: March, 1984	Available: April, 1984
Publication 62505 Issued: December, 1983	Available: January, 1984
Publication 62505 Addendum Issued: March, 1984	Available: April, 1984
Publication 62506 Issued: December, 1983	Available: January, 1984
Publication 62507 Issued: December, 1983	Available: March 15, 1984
Publication 62508 Issued: December, 1983	Available: January, 1984

ACCESS SERVICE

Reference to Technical Publications (Cont'd)

MECAB (Multiple
Exchange Carrier
Access Billing) Issue 2
Issued: December, 1989

Available: December, 1989

MECOD (Multiple
Exchange Carrier
Ordering and Design
Guidelines) Version 3
Issued: November, 1989

Available: November, 1989

The following Service
Vendor Handbook referenced
in this tariff may be obtained
from the following office:

Government Printing Office
Superintendent of Documents
Document Control Branch
941 North Capital Street, NE
Washington, D.C. 20402 9325

NSEP TSP
Service Vendor
Handbook 3 1 2
Issued: July 9, 1990

Available: August, 1990

The following publication is referenced in this tariff and may be obtained from Bellcore Number Administration and Service Center (NASC), 920 West Mount Pleasant Avenue, Livingston, New Jersey 07039 0486.

Guidelines for 800 Data Base, Issue 2.0
Issued: November, 1992

Available: November, 1992

The following publication is referenced in this tariff and may be obtained from Bellcore Communications Research, Customer Services, 8 Corporate Place, Piscataway, NJ 08854

SMS/800 User Guide: 800 Service Management, Issue 10
Issued: January, 1993

Available: January, 1993