

**TARIFF ILL. C.C. NO. 1**

Original Title Page

Cancels Midland Telephone Company Tariff ILL. C.C. No. 7 in its Entirety

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

Regulations, Rates and Charges  
applying to the provision of Access Service  
for connection to intrastate communications facilities  
for Intrastate Customers within the  
operating territory of the

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

in the State of Illinois

as provided herein.

Rate Centers:

Arenzville  
Concord  
Woodburn  
Dorchester  
Scottville

Herrick  
Modesto  
Oconee  
Pocahontas  
Sefton

Shipman

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

Pursuant to the Public Utilities Act, Ill. Rev. Stat., Ch. 111 2/3, para. 13-501 and 13-502, Frontier Communications-Midland, Inc. hereby declares that all services contained in this tariff are noncompetitive services. The company reserves the right to reclassify any portion of or all of these services as competitive services from time to time in accordance with paras. 13-502(c) and (e) of the Public Utilities Act.

This tariff cancels Midland Telephone Company Tariff Ill. C.C. No. 7.

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

**CHECK SHEET**

Original Pages 1 to 477 inclusive of this tariff are effective as of the date shown. Original and revised pages, as named below, contain all changes from the original tariff that are in effect on the date hereof.

<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>	<u>Page</u>	<u>Revision</u>
1	Forty-Eighth Revised*	149.1	Original	368	First Revised
3	Second Revised	151	Third Revised	369	Ninth Revised
6	First Revised	152	First Revised	394.1	Original
7	Second Revised	153	First Revised	470	First Revised
12	First Revised	153.1	Original	471	Original
14	First Revised	172	First Revised	472	Original
51	Second Revised	173	First Revised	473	Original
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51.2	Second Revised	175	Third Revised	476	Original
51.3	Second Revised	175.1	Second Revised	477	Tenth Revised
51.4	Original	181	First Revised		
70	First Revised	190	First Revised		
73	Second Revised	208	First Revised		
75	First Revised	218	First Revised		
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75.2	Original	238	First Revised		
75.3	Original	246	First Revised		
75.4	Original	265	First Revised		
75.5	Original	266	First Revised		
86	First Revised	267	First Revised		
86.1	Original	268	First Revised		
96	First Revised	268.1	Original		
103	First Revised	269	Second Revised		
116	First Revised	270	First Revised		
116.1	Original	271	Eighteenth Revised*		
116.2	Original	272	Third Revised		
137	First Revised	275	Eighteenth Revised*		
138	First Revised	284	Thirteenth Revised*		
139	First Revised	286	Fourth Revised*		
140	First Revised	359	First Revised		
141	First Revised	361	First Revised		
145	Second Revised	363	First Revised		
146	First Revised	364	Second Revised		
147	First Revised				
148	First Revised				
149	Second Revised				

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**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

**Reserved for Future Use**

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**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.
- (Y) - to signify matter issued under special permission.
- (Z) - to signify a correction.

**EXPLANATION OF ABBREVIATIONS**

- ac - Alternating current
- ACM - Address Complete Message
- AML - Actual Measured Loss
- ANI - Automatic Number Identification
- AP - Program Audio
- AT&T - American Telephone and Telegraph Company
- BD - Business Day
- BHMC - Busy Hour Minutes of Capacity
- CAROT - Centralized Automatic Reporting on Trunks
- CCS - Centralized Channel Signaling
- CCSN - Common Channel Signaling Network
- CCSNC - Common Channel Signaling Network Connection
- CI - Changes Interface
- CO - Central Office
- COCTX - Central Office Centrex
- Cont'd - Continued
- CPE - Customer Premises Equipment
- CPN - Calling Party Number
- CSP - Carrier Selection Parameter
- Ctx - Centrex
- DA - Directory Assistance
- dB - Decibel
- dBrnC - Decibel Reference Noise C-Message Weighting
- dBrnCO - Decibel Reference Noise C-Message Referenced to 0
- dBV - Decibel(s) relative to 1 volt (reference)
- dc - direct current

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**

## EXPLANATION OF ABBREVIATIONS (Cont'd)

DDA	-	Digital Data Access
EDD	-	Envelope Delay Distortion
ELEPL	-	Equal Level Echo Path Loss
EML	-	Expected Measure Loss
EPL	-	Echo Path Loss
ERL	-	Echo Return Loss
ESS	-	Electronic Switching System
ESSX	-	Electronic Switching System Exchange
EXM	-	Exit Message
f	-	frequency
FID	-	Field Identifier
F.C.C.	-	Federal Communications Commission
FX	-	Foreign Exchange
HC	-	High Capacity
Hz	-	Hertz
IC	-	Interexchange Carrier
ICB	-	Individual Case Basis
ICL	-	Inserted Connection Loss
kbps	-	kilobits per second
kHz	-	kilohertz
LATA	-	Local Access and Transport Area
Ma	-	milliamperes
Mbps	-	Megabits per second
MHz	-	Megahertz
MMUC	-	Minimum Monthly Usage Charge
MRC	-	Monthly Recurring Charge
MT	-	Metallic
MTS	-	Message Telecommunications
MTS/	-	Message Telecommunications Service and/or Wide Area
WATS		Telecommunications Service
MTS/	-	Execunet/Sprint - type Interstate Service which MCI Telecommunications Corporation
WATS		presently markets as Execunet and Network Service and which Sprint markets as Sprint
TYPE		IV and V or any other like service offered by those companies and/or other common carriers
NPA	-	Numbering Plan Area
NRC	-	Nonrecurring Charge
NTS	-	Non-Traffic Sensitive
NXX	-	Three-Digit Central Office Code

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

EXPLANATION OF ABBREVIATIONS (Cont'd)

OTPL	-	Zero Transmission Level Point
PBX	-	Private Branch Exchange
PCM	-	Pulse Code Modulation
PLR	-	Private Line Ringdown
POT	-	Point of Termination
rms	-	root-mean-square
RSM	-	Remote Switching Modules
RSS	-	Remote Switching Systems
SNAL	-	Signaling Network Access Link
SPOI	-	Signaling Point of Interface
SRL	-	Singing Return Loss
SSN	-	Switched Service Network
SS7	-	Signaling System 7
STP	-	Signaling Transfer Point
SWC	-	Serving Wire Center
TES	-	Telephone Exchange Service(s)
TG	-	Telegraph Grade
TLP	-	Transmission Level Point
TSPS	-	Traffic Service Position System
TV	-	Television
USOC	-	Uniform Service Order Code
VG	-	Voice Grade
V&H	-	Vertical & Horizontal
WA	-	Wideband Analog
WATS	-	Wide Area Telecommunications Service(s)
WD	-	Wideband Data

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

**REFERENCE TO OTHER TARIFFS**

Whenever reference is made in this tariff to other tariffs of the Telephone Company, 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 except for PUB AS No. 1 may be obtained from Literary Data Center, Inc., G.P.O. Box C-9104, Brooklyn, NY 11202:

Capability Bulletin 106, Issue 2

Issued: December, 1981

Available: March 11, 1982

**Technical Reference:**

PUB 41451\*

Issued: January, 1983

Available: May 17, 1983

PUB 60101

Issued: December, 1982

Available: January 17, 1983

PUB 41004

Issued: October, 1973

Available: October, 1973

PUB 62310

Issued: September, 1983

Available: October, 1983

PUB 62411

Issued: September, 1983

Available: October, 1983

\* Status of this publication is in question regarding pending resolution of its applicability to Satellite Digital Service.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

PUB 62500 Issued: December, 1983	Available: March 15, 1984
PUB 62501 and Associated Addendum Issued: December, 1983	Available: March 15, 1984
PUB 62502 Issued: December, 1983	Available: January, 1984
PUB 62503 and Associated Addendum Issued: December, 1983	Available: March 15, 1984
PUB 62504 and Associated Addendum Issued: December, 1983	Available: March 15, 1984
PUB 62505 and Associated Addendum Issued: December, 1983	Available: January, 1984
PUB 62506 Issued: December, 1983	Available: January, 1984
PUB 62507 Issued: December, 1983	Available: March 15, 1984
PUB 62508 Issued: December, 1983	Available: January, 1984

The following technical publication is referenced in this tariff and may be obtained from the Bell System Center for Technical Education, Room F214, 6200 Route 53, Lisle, IL 60532:

Telecommunications Transmission Engineering Volume 3 - Networks and Services (Chapters 6 and 7) Second Edition, 1980 Issued: June, 1980	Available: June, 1980
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**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**

## REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Group Manager-Tariff Administration, 100 S. Jefferson Road, Whippany, N.J. 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1

Issued: March, 1984

Available: April, 1984

The following Ordering and Billing Forum Documents referenced in this tariff may be obtained from the Exchange Carrier Standards Association, Four Century Drive, Parsippany, New Jersey 07054 and the Federal Communications Commission's commercial contractor.

Multiple Exchange Carrier Access Billing Guidelines (MECAB)

Issued: November 9, 1987

Available: November 9, 1987

Multiple Exchange Carrier Ordering and Design guidelines (MECOD)

Issued: October 31, 1985

Available: October 31, 1985

The following publications are referenced in this Tariff and may be obtained from Bell Communications Research, Inc. (Bellcore) 445 South Street, Room 2K-122, Box 1910, Morristown, New Jersey 07960-1910.

TR-NPL-000157

Issued: April, 1986

Available: April, 1986

TR-NPL-000054

Issued: April, 1989

Available: April, 1989

TA-TSY-000192

Issued: April, 1986

Available: April, 1986

TA-TSY-000280

Issued: May, 1986

Available: May, 1986

TR-TSV-000905

Issued: July, 1989

Available: July, 1989

TR-TSV-000954

Issued: December, 1990

Available: December, 1990

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

**REFERENCE TO OTHER PUBLICATIONS**

The following publication is referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capitol St., NE, Washington, D.C. 20401.

Telecommunications Service Priority System Handbook (NCS Handbook 3-1-2)

Issued: July 11, 1989

Available: September 10, 1990

This material is also available for review in the Rochester Tel Product Center, 100 Midtown Plaza, Rochester, NY 14646 during regular business hours.

**FRONTIER COMMUNICATIONS-MIDLAND, INC**

**ACCESS SERVICE**

1. Application of Tariff

- 1.1 This tariff contains regulations, rates and charges applicable to the provision of Carrier Common Line, End User Access, Switched Access, Special Access, Lifeline Assistance and Universal Service Fund Services, and other miscellaneous services, hereinafter referred to collectively as service(s), provided by the Telephone Company, to Customer(s).
- 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.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations

2.1 Undertaking of the Telephone Company

2.1.1 Scope

- (A) The Telephone Company does not undertake to transmit messages under this tariff.
- (B) The Telephone Company shall be responsible only for the installation, operation and maintenance of the services it provides.
- (C) The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.
- (D) Services are provided 24 hours daily, seven days per week, except as set forth in other applicable sections of this tariff.
- (E) The Telephone Company does not warrant that its facilities and services meet standards other than those set forth in this tariff.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations

- (A) The customer may assign or transfer the use of services provided under this tariff; however, where there is no interruption of use or relocation of services, such assignment or transfer may be made to:
- (1) another Customer, whether an individual, partnership, association or corporation, provided the assignee or transferee assumes all outstanding indebtedness for such services, and the unexpired portion of the minimum period and the termination liability applicable to such services, if any; or
  - (2) a court-appointed receiver, trustee or other person acting pursuant to law in bankruptcy, receivership, reorganization, insolvency, liquidation or other similar proceedings, provided the assignee or transferee assumes the unexpired portion of the minimum period and the termination liability applicable to such services, if any.

In all cases of assignment or transfer, the written acknowledgement of the Telephone Company is required prior to such assignment or transfer which, after such acknowledgement shall be made within 15 days from the receipt of notification. All regulations and conditions contained in this tariff shall apply to such assignee or transferee.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.2 Limitations (Cont'd)

(A) (Cont'd)

The assignment or transfer of services does not relieve or discharge the assignor or transferor from remaining jointly or severally liable with the assignee or transferee for any obligations existing at the time of the assignment or transfer.

(B) The installation, use, and restoration of services shall be in accordance with Part 64, Subpart D, Appendix A, of the Federal Communications Commission's Rules and Regulations, and shall be subject to the regulations set forth in Section 13.3.2(B), Telecommunications Service Priority (TSP) System.

(C) Subject to compliance with the rules mentioned in (B) preceding, where a shortage of facilities or equipment exists at any time, either for temporary or protracted periods, the services offered herein will be provided to customers on a first-come first-served basis. First-come first-served shall be based upon the received time and date stamped by the Telephone Company on complete and accurate customer orders which allow the Telephone Company to initiate its ordering process. Inaccurate or incomplete customer orders shall not be deemed to have been received until such time as the customer corrects such inaccuracies and/or omissions. The customer shall not be penalized for any delay in the Telephone Company review process beyond 24 hours of receipt. Once having been advised of the errors and/or omissions any delay in correction on the part of the customer shall be added to the received time.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability

- (A) The Telephone Company's liability, if any, for its willful misconduct is not limited by this tariff. With respect to any other claim or suit, by a Customer or by any others, for damages associated with the preemption installation, provision, termination, maintenance, repair or restoration of service, and subject to the provisions of (B) through (H) following, the Telephone Company's liability, if any, shall not exceed an amount equal to the proportionate tariff charge for the service for the period during which the service was affected. This liability for damages shall be in addition to any amounts that may be due the customer under this tariff as a Credit Allowance for a Service Interruption.
- (B) The Telephone Company shall not be liable for any act or omission of any other carrier or customer providing a portion of a service, nor shall the Telephone Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.
- (C) Reserved for future use.
- (D) The Telephone Company is not liable for damages to the Customer premises resulting from the furnishing of a service, including the installation and removal of equipment and associated wiring, unless the damage is caused by the Telephone Company's negligence.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

- (E) The Telephone Company shall be indemnified, defended and held harmless by the IC or End User against any claims, loss or damage arising from the use of services offered under this tariff, involving:
  - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the End User's own communications;
  - (2) Claims for patent infringement arising from the End User's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or IC or;
  - (3) All other claims arising out of any act or omission of the End User in the course of using services provided pursuant to this tariff.
  
- (F) The Telephone Company shall be indemnified, defended and held harmless by the IC against any claim, loss or damage arising from the IC's use of services offered under this tariff involving:
  - (1) Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the IC's own communications;

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(F) (Cont'd)

(2) Claims for patent infringement arising from the IC's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end user or IC or;

(3) All other claims arising out of any act or omission of the IC in the course of using services provided pursuant to this tariff.

(G) The Telephone Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The Telephone Company shall be indemnified, defended and held harmless by the Customer from any and all claims by any person relating to such customer's use of services so provided.

(H) No license under patents (other than the limited license to use) is granted by the Telephone Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff. The Telephone Company will defend the Customer against claims of patent infringement arising solely from the use by the Customer of services offered under this tariff and will indemnify such Customer for any damages awarded based solely on such claims.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.3 Liability (Cont'd)

(I) Where an Exchange Telephone Company that jointly provides access service with the Telephone Company is incapable of denying such service in compliance with its tariffs without the cooperation of the Telephone Company, the Telephone Company will assist that Exchange Telephone Company in denying joint access service to the customer as long as that Exchange Telephone Company indemnifies, defends, and holds harmless the Telephone Company from and against any and all liability, loss, damages, costs, claims, or expenses of any kind arising out of the Telephone Company's assistance in the denial of service. Service denial for such joint service will only include calls which originate or terminate within, or transit, the operating territory of the Exchange Telephone Company (Companies) initiating the service denial.

(J) The Telephone Company's failure to provide or maintain services under this tariff shall be excused by labor difficulties, governmental orders, civil commotions, criminal actions taken against the Telephone Company, acts of God, and other circumstances beyond the Telephone Company's reasonable control, subject to the Credit Allowance for a Service Interruption as set forth in 2.4.4 following.

2.1.4 Provision of Services

The Telephone Company to the extent that such services are or can be made available with reasonable effort, and after provision has been

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.4 Provision of Services (Cont'd)

made for the Telephone Company's telephone exchange services, will provide to the Customer upon reasonable notice services offered in other applicable sections of this tariff at rates and charges specified therein.

2.1.5 Installation and Termination of Services

The services provided under this tariff (A) will include any entrance cable or drop wiring and wire or intrabuilding cable to that point where provision is made for termination of the Telephone Company's outside distribution network facilities at a suitable location inside a customer-designated premises and (B) will be installed by the Telephone Company to such Point of Termination. Wire required within a building to extend Access Service facilities will be provided, at the Customer's request, on a time sensitive charge basis. The labor rates for the installation of such wire are the same as those set forth in 13.2.6(B) following for Other Labor.

2.1.6 Maintenance of Services

The services provided under this tariff shall be maintained by the Telephone Company. The customer or others may not rearrange, move, disconnect, remove, or attempt to repair any facilities provided by the Telephone Company, other than by connection or disconnection to any interface used, except with the written consent of the Telephone Company.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**2. General Regulations (Cont'd)2.1 Undertaking of the Telephone Company (Cont'd)2.1.7 Changes and Substitutions

Except as provided for equipment and systems subject to FCC Part 68 Regulations at 47 C.F.R. S68.110(b), the Telephone Company may, where such action is reasonably required in the operation of its business, (A) substitute, change or rearrange any facilities used in providing service under this tariff, including but not limited to, (1) substitution of different metallic facilities, (2) substitution of carrier or derived facilities for metallic facilities used to provide other than metallic facilities and (3) substitution of metallic facilities for carrier or derived facilities used to provide other than metallic facilities, (B) change minimum protection criteria, (C) change operating or maintenance characteristics of facilities or (D) change operations or procedures of the Telephone Company. In case of any such substitution, change or rearrangement, the transmission parameters will be within the range as set forth in Section 6 and 7 following. The Telephone Company shall not be responsible if any such substitution, change or rearrangement renders customer furnished services obsolete or requires modification or alteration thereof or otherwise affects their use or performance. If such substitution, change or rearrangement materially affects the operating characteristics of the facility, the Telephone Company will provide reasonable notification to the customer in writing. Reasonable time will be allowed for any redesign and implementation required by the change in operating characteristics. The Telephone Company will work cooperatively with the customer to determine reasonable notification procedures.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.8 Discontinuance and Refusal of Services

- (A) Unless the provisions of 2.2.2(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.3, 2.3.1, 2.3.6, 2.3.7, or 2.4 following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may on thirty (30) day's written notice by Certified U.S. Mail to the person designated by the customer to receive such notices of noncompliance, refuse additional applications for service and/or refuse to complete any pending orders for service by the non-complying customer at any time thereafter.

If the Telephone Company does not refuse additional applications for service on the date specified in the thirty (30) day's notice, and the customer's noncompliance continues, nothing contained herein shall preclude the Telephone Company's right to refuse additional applications for service to the non-complying customer without further notice.

- (B) Unless the provisions of 2.2.2(B) or 2.5 following apply, if a customer fails to comply with 2.1.6 preceding or 2.2.3, 2.3.1, 2.3.6, 2.3.7, or 2.4 following, including any payments to be made by it on the dates and times herein specified, the Telephone Company may, on thirty (30) day's written notice by Certified U.S. Mail to the person designated by that customer to receive such notices of non-compliance, discontinue the provision of the services to the non-complying customer at any time thereafter. In the case of such discontinuance, all applicable charges, including termination charges, shall become due. If the Telephone Company does not discontinue the provision of the services involved on the date specified in the thirty (30) day's notice, and the customer's non-compliance continues, nothing contained herein shall preclude the Telephone Company's right to discontinue the provision of the services to the non-complying customer without further notice.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.9 Reserved for Future Use

2.1.10 Limitation of Use of Metallic Facilities

Signals applied to a metallic facility shall conform to the limitations set forth in Technical Reference Publication AS No. 1. In the case of application of dc telegraph signaling systems, the customer shall be responsible, at its expense, for the provision of current limiting devices to protect the Telephone Company facilities from excessive current due to abnormal conditions and for the provision of noise mitigation networks when required to reduce excessive noise.

2.1.11 Notification of Service-Affecting Activities

The Telephone Company will provide the customer reasonable notification of service-affecting activities that may occur in normal operation of its business. Such activities may include, but are not limited to, equipment or facilities additions,

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.1 Undertaking of the Telephone Company (Cont'd)

2.1.11 Notification of Service-Affecting Activities (Cont'd)

removals or rearrangements, routine preventative maintenance and major switching machine change-out. Generally, such activities are not individual customer service specific, they affect many customer services. No specific advance notification period is applicable to all service activities. The Telephone Company will work cooperatively with the customer to determine the notification requirements.

2.1.12 Coordination with Respect to Network Contingencies

The Telephone Company intends to work cooperatively with the customer to develop network contingency plans in order to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.1.13 Provision and Ownership of Telephone Numbers

The Telephone Company reserves the reasonable right to assign, designate or change telephone numbers associated with Access Services, or the Telephone Company serving central office prefixes associated with such numbers, when necessary in the conduct of its business. Should it become necessary to make a change in such number(s), the Telephone Company will furnish to the customer six (6) months notice, by certified U.S. mail, of the effective date and an explanation of the reason(s) for such change(s).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.2 Use

2.2.1 Reserved for Future Use

2.2.2 Interference or Impairment

- (A) The characteristics and methods of operation of any circuits, facilities or equipment provided by other than the Telephone Company and associated with the facilities utilized to provide services under this tariff shall not interfere with or impair service over any facilities of the Telephone Company, its affiliated companies, or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public.
  
- (B) Except as provided for equipment or systems subject to the FCC Part 68 rules in 47 C.F.R. S68.108, if such characteristics or methods of operation are not in accordance with (A) preceding, the Telephone Company will, where practicable, notify the customer that temporary discontinuance of the use of a service may be required; however, where prior notice is not practicable, nothing contained herein shall be deemed to preclude the Telephone Company's right to temporarily discontinue forthwith the use of a service if such action is reasonable under the circumstances. In case of such temporary discontinuance, the Customer will be promptly notified and afforded the opportunity to correct the condition which gave rise to the temporary discontinuance. During such period of temporary discontinuance, credit allowance for service interruptions as set forth in 2.4.4 following is not applicable.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.2 Use (Cont'd)

2.2.3 Unlawful Use

- (A) The service provided under this tariff shall not be used for an unlawful purpose.
- (B) The Telephone Company shall, upon written request from a customer, terminate service to any subscriber of a customer identified by that customer as having utilized that customer's service and/or facilities in the completion of abusive telephone calls. Service shall be terminated by the Telephone Company as provided for in its general or local exchange service.
- (C) In such instances when termination occurs, as in (B) preceding, the Telephone Company shall be identified, defended and held harmless by the customer against any claim, loss or damage arising from the Telephone Company's actions in terminating such service.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**2. General Regulations (Cont'd)2.3 Obligations of the Customer2.3.1 Damages

The customer shall reimburse the Telephone Company for damages to Telephone Company facilities utilized to provide services under this tariff caused by the negligence or willful act of the customer, or resulting from improper use of the Telephone Company facilities, or due to malfunction of any facilities or equipment provided by other than the Telephone Company. Nothing in the foregoing provision shall be interpreted to hold one customer liable for another customer's actions. The Telephone Company will, upon reimbursement for damages, cooperate with the customer in prosecuting a claim against the person causing such damage and the customer shall be subrogated to the right of recovery by the Telephone Company for the damages to the extent of such payment.

2.3.2 Ownership of Facilities

Facilities utilized by the Telephone Company to provide service under the provisions of this tariff shall remain the property of the Telephone Company. Such facilities shall be returned to the Telephone Company by the customer, whenever requested, within a reasonable period following the request in as good condition as reasonable wear will permit.

2.3.3 Equipment Space and Power

The customer shall furnish or arrange to have furnished to the Telephone Company, at no charge, equipment space and electrical power required by the Telephone Company to provide services under this tariff at the points of termination of such services. The selection of ac or dc power shall be mutually agreed to by the customer and the Telephone Company. The customer shall also make necessary arrangements in order that the Telephone Company will have access to such space at reasonable times for installing, testing, repairing or removing Telephone Company services.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.4 Reserved for Future Use

2.3.5 Reserved for Future Use

2.3.6 Availability for Testing

The services provided under this tariff shall be available to the Telephone Company at times mutually agreed upon in order to permit the Telephone Company to make tests and adjustments appropriate for maintaining the services in satisfactory operating condition. Such tests and adjustments shall be completed within a reasonable time. No credit will be allowed for any interruptions involved during such tests and adjustments.

2.3.7 Balance

All signals for transmission over the services provided under this tariff shall be delivered by the customer balanced to ground except for ground start, duplex (DX) and McCulloh-Loop (Alarm System) type signaling and dc telegraph transmission at speeds of 75 baud or less.

2.3.8 Design of Customer Services

Subject to the provisions of 2.1.7 preceding, the customer shall be responsible at its own expense for the overall design of its services and for any redesigning or rearrangement of its services which may be required because of changes in facilities, (operations or procedures of the Telephone Company), minimum protection criteria, or operating or maintenance characteristics of the facilities.

2.3.9 Reference to the Telephone Company

The customer may advise End Users that certain services are provided by the Telephone Company in connection with the service the customer furnishes to End Users; however, the customer shall not represent that the Telephone Company jointly participates in the customer's services.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.10 Reserved for Future Use

2.3.11 Claims and Demands for Damages

- (A) With respect to claims of patent infringement made by third persons, the Customer shall defend, indemnify, protect and save harmless the Telephone Company from and against all claims arising out of the combining with, or use in connection with, the services provided under this tariff, any circuit, apparatus, system or method provided by the Customer.
  
- (B) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, and demands by third persons arising out of the construction, installation, operation, maintenance, or removal of the customer's circuits, facilities, or equipment connected to the Telephone Company's services provided under this tariff, including, without limitation, Workmen's Compensation claims, actions for infringement of copyright and/or unauthorized use of program material, libel and slander actions based on the content of communications transmitted over the customer's circuits, facilities or equipment, and proceedings to recover taxes, fines, or penalties for failure of the customer to obtain or maintain in effect any necessary certificates, permits, licenses, or other authority to acquire or operate the services provided under this tariff; provided, however, the foregoing indemnification shall not apply to suits, claims, and demands are based on the tortuous conduct of the customer, its officers, agents or employees.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Claims and Demands for Damages (Cont'd)

- (C) The customer shall defend, indemnify and save harmless the Telephone Company from and against any suits, claims, losses or damages, including punitive damages, attorney fees and court costs by the customer or third parties arising out of any act or omission of the customer in the course of using services provided under this tariff.

2.3.12 Reserved for Future Use

2.3.13 Coordination with Respect to Network Contingencies

The Customer shall, in cooperation with the Telephone Company, coordinate in planning the actions to be taken to maintain maximum network capability following natural or man-made disasters which affect telecommunications services.

2.3.14 Jurisdictional Report Requirements

(A) Jurisdictional Reports

(1)

- a) When a customer orders Feature Group A and/or Feature Group B Switched Access Service the customer shall, in its order, state the projected intrastate percentage for intrastate usage for each Feature Group A and/or Feature Group B Switched Access Service group ordered. If the customer discontinues some but not all of the Feature Group A and/or Feature Group B Switched Access Services in a group, it shall provide the projected intrastate percentage for such services which are discontinued.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(1) (Cont'd)

b) Pursuant to Federal Communications Commission Order FCC 85-145 adopted April 16, 1985, intrastate usage is to be developed as though every call that enters a customer network at a point within the same state as that in which the called station (as designated by the called station telephone number) is situated is an intrastate communication and every call for which the point of entry is in a state other than that where the called station (as designated by the called station telephone number) is situated is an interstate communication.

c) The projected intrastate percentages will be used by the Telephone Company to apportion the usage between interstate and intrastate until a revised report is received as set forth in (7) following.

(2) All single Feature Group A and B Switched Access Service usage and charges will be apportioned by the Telephone Company between interstate and intrastate. The projected intrastate percentage reported as set forth in 1(a) and 1(b) preceding will be used to make such apportionment.

The PIUs described in 1(a) and 1(b) preceding and 3 and 4 following are applied to usage rated Carrier Common Line, Information Surcharge, Local Switching, Tandem Switched Transport, and Residual Interconnection charges. Separate PIUs are required for flat rated Entrance Facilities, Direct Trunked Transport and Multiplexers.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

- (3) For multiline hunt group or trunk group arrangements where either the interstate or the intrastate charges are based on measured usage, the intrastate Feature Group A and/or Feature Group B Switched Access Service(s) reported as set forth in (1) preceding will be used to determine the charges as follows:

- For all groups the number of access minutes (either measured or assumed) for a group will be multiplied by the projected intrastate percentage to develop the intrastate access minutes. The number of access minutes for the group minus the developed intrastate access minutes for the group will be the developed intrastate access minutes.

- (4) When a customer orders Feature Group C or Feature Group D Switched Access Service(s), the Telephone Company will, unless the Customer provides the projected intrastate percentage for intrastate usage in its order, determine the projected intrastate percentage as follows.

For originating access minutes, the projected intrastate percentage will be developed on a monthly basis by end office when the Feature Group C or Feature Group D Switched Access Service access minutes are measured by dividing the measured intrastate originating access minutes (the access minutes where the calling number is in one state and the called number is in another state) by the total

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(4) (Cont'd)

originating access minutes. For terminating access minutes, the data used by the Telephone Company to develop the projected intrastate percentage for originating access minutes and data from special studies will be used to develop projected intrastate percentage for such terminating access minutes. The Telephone Company will designate the number obtained by subtracting the projected intrastate percentage for originating and terminating access minutes calculated by the Telephone Company from 100 (i.e., 100 - Telephone Company calculated projected intrastate percentage = interstate percentage) as the projected interstate percentage of use.

**FRONTIER COMMUNICATIONS-MIDLAND, INC**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

- (5) When a Customer orders Directory Assistance Service, the Customer shall in its order provide the projected intrastate percentage for terminating use in a whole number (i.e., a number of 0 through 100) for each Directory Access Service group ordered. (A method the Customer may wish to adopt could be to use its terminating traffic from its premise to the involved Directory Assistance Location and calculate the projected intrastate percentage as set forth in (4) preceding.) The Telephone Company will designate the number obtained by subtracting the projected intrastate percentage furnished by the Customer from 100 (i.e.,  $100 - \text{Customer percentage} = \text{interstate percentage}$ ) as the projected interstate percentage of use.
- (6) Except where Telephone Company measured access minutes are as set forth in (4) preceding, the customer reported number of intrastate services or intrastate percentage of use as set forth in (1), (4), or (5) preceding will be used until the customer reports a different projected intrastate percentage for an in service end office group. When the customer adds BHMC lines or trunks to an existing end office group, the customer shall furnish a projected intrastate percentage that applies to the added BHMC lines or trunks. When the customer discontinues BHMC, lines or trunks from an existing group, the customer shall furnish a projected intrastate percentage for the

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(6) (Cont'd)

discontinued BHMC lines or trunks in the end office group. The revised report will serve as the basis for future billing and will be effective on the next bill date. No prorating or back billing will be done based on the report.

- (7) Effective on the first of January, April, July and October of each year the customer shall update the interstate and intrastate jurisdictional report. The customer shall forward to the Telephone Company, to be received no later than 15 days after the first of each such month, a revised report showing the interstate and intrastate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate use.

If the customer does not supply the reports, the Telephone Company will assume the percentages to be the same as those provided in the last quarterly report. For those cases in which a quarterly report has never been received from the customer, the Telephone Company will assume the percentages to be the same as those provided in the order for service as set forth in (1) preceding.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(A) Jurisdictional Reports (Cont'd)

(7) (Cont'd)

Customers of Feature Group A or Feature Group B access service provided under this Tariff shall retain records of call detail from which the Telephone Company can ascertain the percentage of interstate usage. The Telephone Company reserves the right to require those records of call detail to be made available, upon 15 days notice, for inspection as reasonably necessary for purposes of verifying the interstate usage estimates of the customer. The Telephone Company may require such audits no more frequently than once per calendar year, except in extreme circumstances. Such extreme circumstances may include, but are not limited to, instances where a report of interstate allocations submitted by a customer of Feature Group A or Feature Group B represents a substantial change from its most recent previous report and the change is not attributable to a specific identifiable cause (e.g. seasonal adjustment). Customers of Feature Group A or Feature Group B shall retain such records of call detail referenced in this provision for a period of twelve (12) months or since the close of the last period for which an audit was performed, whichever is shorter. If a customer so requests, an audit undertaken pursuant of this provision shall be conducted by independent auditors, provided that either the customer agrees in advance in writing to assume the costs of such an independently performed audit or the customer and the Telephone Company agree in advance in writing jointly to assume such costs.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports - Special Access

- (1) When mixed interstate and intrastate special access services are provided, the jurisdiction will be determined as follows:

If the customer's estimate of interstate traffic on a special access circuit constitutes 10% or less of the total traffic on a particular circuit, the circuit will be provided in accordance with the applicable rules and regulations of this tariff.

If the customer's estimate of interstate traffic on a special access circuit constitutes more than 10% of the total traffic on a particular circuit, the circuit will be provided in accordance with the applicable rules and regulations of the interstate tariff.

- (2) A customer with one or more special access circuits provided under this Tariff shall certify that intrastate usage on each interstate circuit is less than ten (10) percent of the total usage on each such circuit. Such certification shall be furnished pursuant to one of the following procedures:

- (a) When submitting a formal service order, the customer may include the required certification with each order. The customer shall identify each interstate circuit ordered and clearly designate the customer's jurisdiction determination for each circuit.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports - Special Access (Cont'd)

(2) (Cont'd)

(b) The customer may include the required certification in written correspondence with the Telephone Company which specifically identifies each circuit for which the certification is furnished and clearly designates the customer's jurisdictional determination for each circuit.

(c) With respect to existing customers of intrastate special access circuits as of the effective date of this section, such customers within 90 days of the effective date shall include the required certification in written correspondence with the Telephone Company which specifically identifies each intrastate circuit currently provided to the customer and clearly designates the customer's jurisdictional determination of each circuit.

In the event that no certification is provided by a customer pursuant to subsection (c) above within ninety (90) days of the effective date of this section, the jurisdiction of special access circuits provided to such customers under this tariff shall be assumed to be interstate until such a time as the customer provides written certification.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.14 Jurisdictional Report Requirements (Cont'd)

(B) Jurisdictional Reports - Special Access (Cont'd)

- (3) If a billing dispute arises, or a regulatory commission questions the customer-provided certification, the Telephone Company will ask the customer to provide the information, including if applicable, records of system design and functions and any calculations, on which the customer relied in certifying the jurisdictional classifications of the circuit. The customer shall supply the data within thirty (30) days of the Telephone Company request.
- (4) For a period of sixty (60) days after the effective date of this provision, a customer with a special access circuit provided under this Tariff for which the customer is subject to liability for termination prior to a specified date who determines that the jurisdiction of such circuit has changed solely as a result of the separations revisions required by the FCC's Decision and Order (89-224) shall not be subject to a penalty or other liability based on such jurisdictional change.

2.3.15 Determination of Intrastate Charges for Mixed Interstate and Intrastate Switched Access Service

When mixed interstate and intrastate Access Service is provided, all charges (i.e., nonrecurring, and/or usage), including optional features charges, will be prorated between interstate and intrastate. The percentage provided in the reports as set forth in 2.3.14(A) preceding will serve as the basis for prorating the charges. The percentage of an Access Service to be charged as interstate is applied in the following manner:

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.15 Determination of Intrastate Charges for Mixed Interstate and Intrastate Access Service (Cont'd)

- (A) For nonrecurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate per element.
- (B) For usage sensitive (i.e., access minutes and calls) chargeable rate elements, multiply the percent intrastate use times actual use (i.e., measured or Telephone Company assumed average use) times the stated tariff rate.

The intrastate percentage will change as revised usage reports are submitted as set forth in 2.3.14 preceding.

2.3.16 Identification and Rating of VoIP-PSTN Traffic

(A) Scope

- (1) VoIP-PSTN Traffic is defined as traffic exchanged between the Telephone Company end user and the customer in time division multiplexing ("TDM") format that originates and/or terminates in Internet protocol ("IP") format. This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order.
- (2) This section will be applied to the billing of switched access charges to a customer that is a local exchange carrier only to the extent that the customer has also implemented billing of interstate access charges for Relevant VoIP-PSTN Traffic in accordance with the FCC Order.

(N)

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.16 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(A) Rating of VoIP-PSTN Traffic

The Relevant VoIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's applicable tariffed interstate switched access rates as specified in this tariff.

As of July 13, 2012, any intrastate originating Toll VOIP-PSTN Traffic will be billed at rates equal to the Company's intrastate originating switched access rates as provided in this tariff. Beginning July 1, 2014, any intrastate originating Toll VOIP-PSTN Traffic identified in accordance with this tariff section will be billed at rates equal to the Telephone Company's relevant interstate switched access rates as provided in the Telephone Company's applicable Federal Access Tariff. (N)

(C) Calculation and Application of Percent-VoIP-Usage Factor

The Telephone Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total intrastate access MOU exchanges with The Telephone Company from the customer. The PVU will be derived and applied as follows: (D)  
(T)

- (1) The customer will calculate and furnish to the Telephone Company a factor (the "PVU") representing the percentage of the total intrastate and interstate access MOU that the customer exchanges with the Telephone Company in the State, that is sent to the Telephone Company and that originated in IP format; or is received by the Telephone Company and terminated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information. (T)  
(N)  
(N)



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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.16 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(E) PVU Factor Updates

The customer may update the PVU factor quarterly using the method set forth in subsection (C)(1), above. If the customer chooses to submit such updates, it shall forward to the Telephone Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

(F) PVU Factor Verification

Not more than four times in any year, the Telephone Company may ask the customer to verify the PVU factor furnished to the Telephone Company. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the PVU factors.

(G) Switched Access Rate Elements

Switched Access Rate Element	FCC 2
Local Switching	\$0.00265114
Shared Trunk Port/Common Trunk Port	\$0.00020000
Information Surcharge per MOU	\$0.00000000
Tandem Transport Facility per minute-mile	\$0.00001000
Tandem Transport Termination	\$0.00241772
Tandem Switching	\$0.00020000
Shared Multiplexing, per Tandem MOU	\$0.00000000

(M)

(M)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits

(A) The Telephone Company will, in order to safeguard its interests, only require a Customer with a proven history of late payments to the Telephone Company or does not have established credit except for a Customer which is a successor of a company which has established credit with the Telephone Company and has no history of late payments to the Telephone Company to make a deposit prior to or at any time after the provision of a service to the Customer to be held by the Telephone Company as a guarantee of the payment of rates and charges. No such deposit will be required of a customer which is a successor of a company which has established credit and has no history of late payment to the Telephone Company. Such deposit may not exceed the actual or estimated rates and charges for the service for a two month period. The fact that

(B) The Telephone Company shall bill on a current basis all charges incurred by and credits due to the Customer under this tariff attributable to services established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. Customers providing service to the Federal Government are not entitled to the benefits of the laws or regulations providing for billing in arrears, so they will be billed in advance for services as stated above.

(M)

(M)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

**2. General Regulations (Cont'd)**

2.3 Obligations of the Customer (Cont'd)

2.3.16 Identification and Rating of VoIP-PSTN Traffic (Cont'd)

(H) Originating Traffic

Traffic that originates in Illinois on the PSTN and terminates outside of Illinois as VoIP will be billed at switched access element rates in (G), above (i.e., interstate rates or, alternatively refer to the FCC tariff). Traffic that originates on the PSTN in Illinois and terminates in Illinois as VoIP will be billed at intrastate switched access element rates contained elsewhere in this tariff.

(N)  
|  
(N)

2.4 Payment Arrangements and Credit Allowance

2.4.1 Payment of Rates, Charges and Deposits

(A) A deposit has been made in no way relieves the customer from complying with the Telephone Company's regulations as to the prompt payment of bills. At such time as the provision of the service to the Customer is terminated, the amount of the deposit will be credited to the Customer's account and any credit balance which may remain will be refunded. The deposit will be credited to the Customer's account when the Customer has established credit or, in any event, has established a one-year prompt record of payment at any time prior to the termination of the provision of service to the Customer. In case of a cash deposit, for the period the deposit is held by the Telephone Company, the Customer will receive simple annual interest at the rate specified by the Illinois Commerce Commission. Should a deposit be credited to the Customer's account, as indicated above, no interest will accrue on the deposit from the date such deposit is credited to the Customer's account.

(B) The Telephone Company shall bill on a current basis all charges incurred by and credits due to the Customer under this tariff attributable to services established or discontinued during the preceding billing period. In addition, the Telephone Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage and for the Federal Government which will be billed in arrears. Customers providing service to the Federal Government are not entitled to the benefits of the laws or regulations providing for billing in arrears, so they will be billed in advance for services as stated above.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

The bill day (i.e., the billing date of a bill for a Customer for Access Service under this tariff), the period of service each bill covers and the payment date will be as follows:

- (1) For End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each end user account. The bill will cover End User Access Service and Presubscription Service for the Federal Government which will be billed in arrears. Any known unbilled charges for prior periods and any known adjustments for prior periods and any known unbilled adjustments for prior periods for End User Access Service and Presubscription Service will be applied to this bill. Such bills are due when rendered.
- (2) For service other than End User Access Service and Presubscription Service, the Telephone Company will establish a bill day each month for each customer account or advise the customer in writing of an alternate billing schedule. Alternate billing schedules shall not be established on less than 60 days notice or initiated by the Telephone Company more than twice in any consecutive 12 month period. The bill will cover nonusage sensitive service charges for the ensuing billing period for which the bill is rendered, any known unbilled nonusage sensitive charges for prior periods and unbilled usage charges for that period after the last bill day through the current bill day. Any known unbilled usage charges for prior periods and any known unbilled adjustments will be applied to this bill.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(2) (Cont'd)

Payment for such bills is due as set forth in (3) following. If payment is not received the payment date, as set forth in (3) following in immediately available funds, a late payment penalty will apply as set forth in (3) following.

(3)

(a) All bills dated as set forth in (2) preceding for service, other than End User and Presubscription Service, provided to the Customer by the Telephone Company are due 31 days (payment date) after the bill day or by the next bill date (i.e., same date in the following month as the bill date), whichever is the shortest interval, except as provided herein, and are payable in immediately available funds. If such payment date would cause payment to be due on a Saturday, Sunday or Holiday (i.e., New Years, Independence Day, Labor Day, Thanksgiving Day, Christmas Day, the second Tuesday in November and a day when Washington's Birthday, Memorial Day, or Columbus Day are legally observed) payment for such bills will be due from the Customer on the next business day following.

(b) Further, if any portion of the payment is received by the Telephone Company after the payment date as set forth in (a) preceding, or if any portion of the payment is received by the Telephone Company in funds which are not

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (3) (b) (Cont'd)

immediately available to the Telephone Company, a payment charge penalty shall be due to the Telephone Company. The late payment penalty shall be computed by first multiplying the portion of the payment not received or not received in immediately available funds by the payment date times a per day late factor which is equal to the highest rate which may be levied by law for commercial transactions. That result is then multiplied by the number of days after the payment date that the payment is received.

(4) Billing Disputes Resolved in Favor of the Telephone Company

In the event that a billing dispute concerning any charges billed to the customer by the Telephone Company is resolved in favor of the Telephone Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set forth in (b) preceding.

A dispute for purposes of this section is defined as written notice to the Telephone Company with sufficient documentation to investigate the dispute.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(4) Billing Disputes Resolved in Favor of the Telephone Company  
(Cont'd)

If the customer disputes the bill on or before the payment date and pays the undisputed amount on or before the payment due date, any late payment charge for the disputed amount will not start until ten (10) days after the payment due date. The late payment charge will continue to accrue until payment is received by the Telephone Company.

If the customer disputes the bill after the payment due date and pays the undisputed amount after the payment due date, the late payment charge for the disputed amount shall begin on the payment due date.

(5) Billing Disputes Resolved in Favor of the Customer

In the event that a billing dispute concerning any charges billed to the Customer by the Telephone Company is resolved in favor of the customer, any payments of the disputed amount, withheld pending settlement of the dispute shall be subject to the late payment penalty.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(5) Billing Disputes Resolved in Favor of the Customer (Cont'd)

The date of the dispute shall be the date the Telephone Company receives sufficient documentation to investigate the dispute.

The date of resolution is the date the Telephone Company completes its investigation and notifies the customer of the disposition of the dispute.

If the Customer disputes the billed amount on or before 90 days from the due date of the disputed bill and pays the total amount (i.e., the non-disputed amount and the disputed amount) on or before the payment due date and the billing dispute is resolved in the favor of the Customer, the Customer will receive a credit from the Telephone Company. The credit shall be the disputed amount resolved in the Customer's favor times a penalty factor, which is the highest rate that may be levied by law for commercial transactions. This penalty factor will apply from the date of the customer's payment through the date of resolution by the Telephone Company.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(B) (Cont'd)

(5) Billing Disputes Resolved in Favor of the Customer (Cont'd)

If the customer disputes the bill after 90 days from the due date of the disputed bill and pays the total amount on or before the date of the dispute, the customer shall receive a credit from the Telephone Company. The credit will equal the disputed amount times a penalty factor, which is the highest rate that may be levied by law for commercial transactions. The penalty factor will apply from the latter of the claim date or the date of overpayment through the date of resolution by the Telephone Company.

(C) Reserved for Future Use

(D) Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period set forth for services in other sections of this tariff will be prorated to the number of days or major fraction of days based on a 30 day month. The Telephone Company will, upon request and if available, furnish such detailed information as may reasonably be required for verification of any bill.

(E) When a rate as set forth in this tariff is shown to more than two decimal places, the charges will be determined using the rate shown. The resulting amount will then be rounded to the nearest penny (i.e., rounded to two decimal places).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.1 Payment of Rates, Charges and Deposits (Cont'd)

(F) When more than one copy of a Customer bill for services provided under the provisions this tariff is furnished to the Customer, an additional charge applies for each additional copy of the bill as set forth in 13.3.6 following.

(G) A Check Return Charge will apply whenever a check or draft presented for payment for service, deposit, or advance payment is not accepted by the institution on which it is written.

Check Return Charge, per \$10.00  
check or draft returned

(H) Upon request, the Telephone Company will furnish a customer the information used to calculate the customer bill in order to permit a customer to verify the accuracy of the bill. Such information shall be provided within a reasonable period of time but in no event later than the number of days in the customer bill cycle.

2.4.2 Minimum Periods

The minimum periods for which services are provided and for which rates are applicable is one month except for those services set forth in 5.2.5(C), 13.3.5(C)(1)(b), (c) and (d) following.

The minimum period for which service is provided and for which rates and charges are applicable for a Specialized Service or Arrangement provided on an individual case basis as set forth in Section 12. following is one month unless a different minimum period is established with the individual case filing.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.2 Minimum Periods (Cont'd)

When a service is discontinued prior to the expiration of the minimum period, charges are applicable whether the service is used or not, as follows:

- (A) When a service with a one month minimum period is discontinued prior to the expiration of the minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.
- (B) When a service with a minimum period greater than one month is discontinued prior to the expiration of the minimum period, the applicable charge will be the lesser of (1) the Telephone Company's total nonrecoverable costs less the net salvage value for the discontinued service or (2) the total monthly charge, at the rate level in effect at the time service is discontinued, for the remainder of the minimum period.

2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an order for service are set forth in other applicable sections of this tariff.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.5.1 following. An interruption period starts when an inoperative service, is reported to the Telephone Company, and ends when the service is operative.

(B) When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

- (1) For Special Access Services other than Program Audio and Video Services and for flat rated Switched Access Service Transport rate elements (i.e., Entrance Facility, Direct Trunked Transport, and Multiplexing) no credit shall be allowed for an interruption of less than (30) minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charge for the service for each period of 30 minutes or at least fifteen minutes thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

- (a) For two-point service, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., two channel terminations, channel mileage and optional features and functions).

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

(1) (Cont'd)

(b) For multipoint services, the monthly charge shall be only the total of all the monthly rate element charges associated with that portion of the service that is inoperative (i.e., a channel termination per customer designated premises, channel mileage and optional feature and functions).

(c) For multiplexed services, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service that is inoperative. When the facility which is multiplexed or the multiplexer itself is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with the service (i.e., the channel termination, channel mileage, Entrance Facility, Direct Trunked Transport and optional features and functions, including the multiplexer on the facility to the Hub, and the channel terminations, channel mileages and optional features and functions on the individual services from the Hub). When the service which rides a channel of the multiplexed facility is inoperative, the monthly charge shall be the total of all the monthly rate element charges associated with that portion of the service from the Hub to a customer premises (i.e., channel terminations, channel mileage and optional features and functions).

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When Credit Allowance Applies (Cont'd)

(1) (Cont'd)

(d) Flat Rated Switched Access

For flat rated Switched Access Service rate elements, the monthly charge shall be the total of all monthly rate element charges associated with the service (i.e., Entrance Facility Direct Trunked Transport and Multiplexing).

(2) Reserved for Future Use

(3) For Switched Access Service and Directory Assistance Service, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of

- (a) the monthly rates,
- (b) the assumed minutes of use charge, or
- (c) the minimum monthly usage charge, whichever is applicable to the service involved for each period of 24 hours or major fraction (12 hours and one minute) thereof that the interruption continues. However, in the case of service billed based upon actual usage, no credit allowance will be given when the actual usage charge exceeds the minimum monthly usage charge in any one monthly billing period.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(B) When a Credit Allowance Applies (Cont'd)

- (4) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed
  - (a) the monthly rates,
  - (b) the assumed minutes of use charge, or
  - (c) the minimum monthly usage charge, whichever is applicable for the service involved, for the service interrupted in any one monthly billing period.
  
- (5) Service interruptions for Specialized Service or Arrangements provided under the provisions of Section 12. following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

(C) When a Credit Allowance Does Not Apply

No credit allowance will be made for:

- (1) Interruptions caused by the negligence of the customer.
- (2) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (3) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(C) When a Credit Allowance Does Not Apply (Cont'd)

- (4) Interruptions of a service during the first 30 minute period when the customer has released a service to the Telephone Company for maintenance purposes, to make rearrangements, or for the implementation of an order for a change in the service. Thereafter, a credit allowance as set forth in (B) preceding applies.
- (5) Reserved for Future Use
- (6) Periods when the customer elects not to release the service for testing and/or repair and continues to use it on an impaired basis.
- (7) Reserved for Future Use
- (8) An interruption or a group of interruptions, resulting from a common cause, for amounts less than one dollar.

(D) Use of an Alternative Service Provided by the Telephone Company

Should the Customer elect to use an alternative service provided by the Telephone Company during the prior that a service is interrupted, the Customer must pay the tariffed rates and charges for the alternative service use.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.4 Credit Allowance for Service Interruptions (Cont'd)

(E) Temporary Surrender of a Service

In certain instances, the Customer may be requested by the Telephone Company to surrender a service for purposes other than maintenance, testing or activity relating to a service order. If the Customer consents, a credit allowance will be granted. Customer consent for preemption is not required under conditions outlined in section 13.3.2, following. The credit allowance will be 1/440 of the monthly rate for each period of 30 minutes or fraction thereof that the service is surrendered. In no case will the credit allowance exceed the monthly rate for the service surrendered in any one monthly billing period.

2.4.5 Reserved for Future Use

2.4.6 Re-establishment of Service Following Fire, Flood, or Other Occurrence

(A) Nonrecurring Charges Do Not Apply

Charges do not apply for the re-establishment of service following a fire, flood or other occurrence attributed to an Act of God provided that:

- (1) The service is of the same type as was provided prior to the fire, flood and other occurrence.
- (2) The service is for the same Customer.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.6 Re-Establishment of Service Following Fire, Flood or Other Occurrence (Cont'd)

(A) Nonrecurring Charges Do Not Apply (Cont'd)

- (3) The service is at the same location on the same premises.
- (4) The re-establishment of service begins within 60 days after Telephone Company service is available. (The 60 day period may be extended by a reasonable period if the renovation of the original location on the premises affected is not practical within the allotted time period.)

(B) Nonrecurring Charges Apply

Nonrecurring Charges apply for establishing service at a different location on the same premises or at a different premises pending re-establishment of service at the original location.

2.4.7 Title or Ownership Rights

- (A) The payment of rates and charges by Customers for the services offered under the provisions of this tariff does not assign, confer or transfer title or ownership rights to proposals or facilities developed or utilized, respectively, by the Telephone Company in the provision of such services.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved

The Telephone Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company is involved in the provision of Access Service as set forth in (B) following, dependent on the interconnection arrangements between the Exchange Telephone Companies involved.

(A) Meet Point Billing Switched Transport Services

General - For FGB, FGC and FGD switched access services, Multiple Bill Meet Point Billing arrangements will apply. The multiple bill arrangements are subject to the provisions stipulated in the Multiple Exchange Carrier Access Billing Guidelines (MECAB) and the Multiple Exchange Carrier Ordering and Design Guidelines (MECOD) documents as referenced in the Commission's Memorandum and Order 86-104 released July 31, 1987. Separate bills will be rendered by each Exchange Telephone Company for access service, other than FGA, and billing will be based upon the regulations, rates, and charges contained in its Access Service Tariff, subject to the following rules, as appropriate.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

- (1) Each Exchange Telephone Company will provide its portion of the Transport element in its operating territory to an interconnection point (IP) with the other Exchange Telephone Company. Each Exchange Telephone Company will determine the charts involved for its portion of the Access Service ordered and will bill such charges in accordance with its Access Service tariff. The rate for the Transport element for Switched Access or for the Channel Mileage Element for Special Access will be determined as set forth in (5) following. All other charges in each Exchange Telephone Company tariff are applicable.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

- (2) The Telephone Company will provide at least 30 days written notice to the customer prior to implementing any changes in the procedures of furnishing jointly provided access services. When a Special Access Line used in connection with Switched Access is ordered and Channel Mileage applies (i.e., the WATS<sup>1</sup> Serving Office and the end user customer end office are not coterminous) and one end of the Channel Mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone company operating territory, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the customer. In addition, the Exchange telephone Company in whose territory the WATS<sup>1</sup> Serving Office is located must also receive a copy of the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (5) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.
- (C)
- (C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

- (3) When a Special Access Service is ordered by a customer where one end of the Channel Mileage is in the Telephone Company operating territory and the other end is in another Exchange Telephone Company operating territory, except for Special Access Service provided with the use of Hubs, either of the Exchange Telephone Companies may receive the order from the customer. Each Exchange Telephone Company will provide the portion of the Channel Mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (5) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

- (4) When a Special Access Service involving a Hub is ordered by a customer where one end of the channel Mileage element is in an Exchange Telephone Company operating territory and the Hub is another Exchange Telephone Company, in whose territory the Hub is located must receive the order from the customer. In addition, the Exchange Telephone Companies in whose territory a customer premises is located must receive copies of the order from the customer. Each Exchange Telephone Company will provide the portion of the channel mileage element in its operating territory to an interconnection point (IP) with another Exchange Telephone Company and will bill the charges in accordance with its Access Service tariff. The rate for the Channel Mileage element will be determined as set forth in (5) following. All other appropriate charges in each Exchange Telephone Company tariff are applicable.
- (5) The rate for the local Transport or Channel Mileage element for services provided as set forth in (1) through (4) preceding is determined as follows:
  - (a) Determine the appropriate Local Transport of Channel mileage by computing the airline mileage between the two ends of the local Transport or Channel Mileage element. Determine the airline mileage for the local Transport element using the V & H method as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF FCC No. 4. Determine the airline mileage for the Channel Mileage element using the V & H method as set forth in 7.4.6 following.

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

(5) (Cont'd)

(b) Determine the rate for the airline mileage determined in (a) preceding using the Telephone company's tariff. For the Channel Mileage element multiply such rate by the Telephone Company's billing percentage factor and divide by 100 to obtain the Channel Mileage element charges. Because the Telephone Company's Local Transport element is non-distance sensitive, the full Transport element charge applies.

(c) When Tandem Switched Transport is provided to a terminating carrier different from a Frontier Telephone ILEC Company, Terminating – Tandem 3<sup>rd</sup> party rates are applicable otherwise Terminating –Tandem Affiliate rates are applicable. When originating Tandem Switched Transport is provided, Originating rates are applicable.

(N)  
|  
(N)

(6) The interconnection points will be determined by the Exchange Telephone Companies involved. The billing percentage factor (BP) for the Local Transport will be as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

(a) When the tandem office is located within a Telephone Company operating territory, that company will bill 100% of the tandem switch and tandem transmission-fixed rates.

(b) Those Telephone Companies having a distance sensitive tandem transmission facility mileage charge will bill total traffic times the route specific BP

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(A) Meet Point Billing Switched Transport Services (Cont'd)

(6) (Cont'd)

- (c) When the local switching office is located within a Telephone Company operating territory, that company will bill 100% of the Residual Interconnection Charge.
- (d) Entrance Facility and Direct End Office Transport charges will be billed on a meet-point basis according to the procedures outlined in Section 2.4.8(B)(5-8) preceding.

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(B) Example -

Example 1 – Originating Switched Access

- Feature Group D Switched access is ordered to End Office.
- Originating End Office and Access Tandem are in the operating territory of a Telephone Company (TC-A).
- Customer Designated Premises is in the operating territory of a Telephone Company (TC-B)
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunked Transport mileage = 26 mi.
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End Office charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate
  - Tandem Switched Transport Termination charge = 2 terminations x 9,000 min. x TST rate
  - Tandem Switching Rate = 9,000 min. x TS rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate x 40%
  - Direct Trunked Termination charge = 1 termination x DTT rate
  - Shared Multiplexing charge = 9,000 min. x 23 mi. x SM rate

(D)(T)

(D)(T)

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(B) Example (Cont'd)–

Example 2 – Terminating Switched Access – Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by Frontier Telephone ILEC Companies (TC-A) and end office is owned by a non-Frontier Telephone ILEC Company.
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 20%
  - TC-B Tandem Switched Transport BP = 80%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 20%
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9,000 min. x TST – 3<sup>rd</sup> Party rate
  - Tandem Switching-3<sup>rd</sup> Party Rate = 9,000 min. x TS-3<sup>rd</sup> Party rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate x 40%
  - Direct Trunked Termination charge = 1 termination x DTT rate
    - Shared Multiplexing 3<sup>rd</sup> Party Charge = 9,000 min. x 23 mi. x SM-3<sup>rd</sup> Party rate

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(B) Example (Cont'd)

Example 3 –Terminating Switched Access Tandem End Office

- Feature Group D Switched Access is ordered to End Office.
- Terminating End Office and Access Tandem are both owned by Frontier Telephone ILEC Companies (TC-A).
- Assumptions:
  - TC-A Direct Trunk Transport BP = 40%
  - TC-B Direct Trunk Transport BP = 60%
  - Direct Trunk Transport mileage = 26 mi.
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End office Charges = 9,000 min. x EO rate
  - Tandem Switched Facility – End Office charge = 9,000 min. x 23 mi. x TSF-End Office rate.
  - Tandem Switched Transport Termination –End Office charge = 2 terminations x 9.000 min. x TST-End Office rate.
  - Tandem Switching – End Office charge = 9,000 min. x TS-End Office rate
  - Direct Trunked Facility Charge = 26 mi x DTF rate x 40%
  - Direct Trunked Termination charge – 1 termination x DTT rate
  - Shared Multiplexing charge = 9,000 min. x 23 mi. x SM rate

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(B) Example (Cont'd)

Example 4 –Terminating Switched Access-Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- Terminating Access Tandem is owned by Frontier Telephone ILEC Companies (TC-A). Terminating End Office is owned by a non-Frontier Telephone ILEC Company.
- Assumptions:
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 20%
  - TC-B Tandem Switched Transport BP = 80%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 20%
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9,000 min. x TST – 3<sup>rd</sup> Party rate
  - Tandem Switching-3<sup>rd</sup> Party Rate = 9,000 min. x TS-3<sup>rd</sup> Party rate
  - Direct Trunked Facility charge = 26 mi. x DTF rate
  - Direct Trunked Termination charge = 2 terminations x DTT rate
  - Shared Multiplexing-3<sup>rd</sup> Party Charge = 9,000 min. x 23 mi. x SM-3<sup>rd</sup> Party rate

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

(B) Example (Cont'd)

Example 5 – Originating Switched Access Frontier Telephone ILEC Company owns only the End Office.

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone ILEC Companies (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B)
- Assumptions:
  - Direct Trunk Transport mileage = 26 mi.
  - TC-A Tandem Switched Transport BP = 80%
  - TC-B Tandem Switched Transport BP = 20%
  - Tandem Switched Transport mileage = 23 mi.
- Telephone Company A charges are:
  - End Office Charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility charge = 9,000 min. x 23 mi. x TSF rate x 80%.
  - Tandem Switched Transport Termination charge = 1 termination x 9.000 min. x TST rate.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowance (Cont'd)

2.4.8 Ordering, Rating and Billing of Access Services where More than One Exchange Telephone Company is Involved (Cont'd)

Example 6 – Terminating Switched Access – Tandem 3<sup>rd</sup> Party

- Feature Group D Switched Access is ordered to End Office.
- End Office is owned by Frontier Telephone ILEC Companies (TC-A).
- Access Tandem is owned by a non-Frontier Telephone ILEC Company (TC-B)
- Telephone Company A charges are:
  - End Office Charges = 9,000 min. x EO rate
  - Tandem Switched Transport Facility-3<sup>rd</sup> Party charge = 9,000 min. x 23 mi. x TSF-3<sup>rd</sup> Party rate x 80%.
  - Tandem Switched Transport Termination-3<sup>rd</sup> Party charge = 1 termination x 9.000 min. x TST-3<sup>rd</sup> Party rate.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.9 Missed Installation Due Dates

(A) General

Failure to meet a confirmed service date for installation of certain services will result in a credit of the applicable nonrecurring charges billed to the customer for that service when the Telephone Company is solely responsible for such failure. Credits provided hereunder represent an inclusive remedy and are in lieu of all other remedies as described in 2.1.3 preceding.

(B) Services Subject to the Credit

Nonrecurring installation charges (as specified in Section 7.4.1) will be credited for a missed service date on the following Special Access Services.

- (1) DS1 High Capacity Service
- (2) DS3 High Capacity Service

(C) When Credit Allowance Does Not Apply

Nonrecurring charge credits for a failure to meet a confirmed installation service date are not available in the following circumstances:

- (1) The customer requests expedited service.
- (2) The customer's premises are inaccessible.
- (3) The customer changes interface requirements subsequent to placing the order.
- (4) The customer is not ready to accept service on the confirmed service date.
- (5) Building facilities, including space, cable support structures, building risers and entrance facilities to be provided by builder or owner or owner's subcontracted vendors, are not ready on the confirmed service date.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.9 Missed Installation Due Dates (Cont'd)

(C) When Credit Allowance Does Not Apply (Cont'd)

- (6) The customer orders termination beyond the network interface.
- (7) To the derived services of multiplexed 1.544 Mbps service.
- (8) The delay is caused by work stoppages, civil disturbances, criminal actions, fire, flooding or other occurrence beyond the Telephone Company's control.

2.4.10 Service Assurance Warranty Plan

(A) General

This section sets forth the terms and conditions under which credits for applicable monthly recurring charges for service outages and missed Customer Requested Due Date ("CRDD") for certain services will be issued. Credits provided hereunder represent an inclusive remedy and are in lieu of all other remedies as described in section 2.1.3 preceding.

(B) Services Subject to Credit

Monthly recurring charges, as specified in sections 6.8.2 and 7.5.5, will be credited for a missed CRDD or service outage on the following services:

- (1) DS1 High Capacity Service
- (2) DS3 High Capacity Service

(C) Service Outage Credits

- (1) Ten percent of one month's recurring charge will be credited when an outage greater than one hour but less than two hours is experienced on a customer's DS1 or DS3 service.

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ACCESS SERVICE

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.10 Service Assurance Warranty Plan (Cont'd)

(C) Service Outage Credits (Cont'd)

- (2) Twenty-five percent of one month's recurring charges will be credited when an outage greater than two hours but less than four hours is experienced on a customer's DS1 or DS3 service.
- (3) Fifty percent of one month's recurring charges will be credited when an outage of greater than four hours is experienced on a customer's DS1 or DS3 service.

In no circumstance will the monthly credit be greater than one hundred percent of the monthly recurring charge.

(D) When Credit Allowances Do Not Apply

Credit for applicable recurring monthly charges for service outages will not apply when the outage is a result of civil disturbances, criminal actions, fire, flooding, or other occurrences beyond the Telephone Company's control.

(E) Credits for Missed Customer Requested Due Date

Failure to meet a Customer Requested Due Date for installation of a DS1 or DS3 service will result in a credit of the first month's applicable recurring charge billed to the customer for that service when the Telephone Company is solely responsible for such failure.

(F) When CRDD Credit Does Not Apply

Monthly recurring charge credits for failure to meet a CRDD installation are not available in the following circumstances:

- (1) The customer's premise is inaccessible,
- (2) The customer changes interface requirements subsequent to placing the order,
- (3) The customer is not ready to accept service on the CRDD,

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.10 Service Assurance Warranty Plan (Cont'd)

(F) When CRDD Credit Does Not Apply (Cont'd)

- (4) Building facilities, including space, cable support structure, building riser, and entrance facility to be provided by builder or owner or owner's subcontracted vendors, are not ready on the CRDD,
- (5) The customer orders termination beyond the network interface,
- (6) Services are provided under Special Construction.
- (7) The delay is caused by work stoppages, civil disturbances, criminal actions, fire, flooding or other occurrences beyond the Telephone Company's control.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.5 Connections

2.5.1 General

Equipment and Systems (i.e., terminal equipment, multiline terminating systems and communications systems) may be connected with Switched and Special Access Service furnished by the Telephone Company where such connection is made in accordance with the provisions specified in Technical Reference Publication As No. 1 and in 2.1 preceding.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions

Certain terms used herein are defined as follows:

Access Code

The term "Access Code" denotes a uniform five or seven digit code assigned by the Telephone Company to an individual Customer. The five digit code has the form 10XXX, and the seven digit code has the form 950-10XX.

Access Minutes

The term "Access Minutes" denotes that usage of exchange facilities in interstate or foreign service for the purpose of calculating chargeable usage. On the originating end of an interstate or foreign call, usage is measured from the time the originating end user's call is delivered by the Telephone Company to and acknowledged as received by, the customer's facilities connected with the originating exchange. On the terminating end of an interstate or foreign call, usage is measured from the time the call is received by the end user in the terminating exchange. Timing of usage at both originating and terminating ends of an interstate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating end exchanges, as applicable.

Access Tandem

The term "Access Tandem" denotes a Telephone Company switching system that provides a traffic concentration and distribution function for originating or terminating traffic between end offices and a customer's premises.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Answer/Disconnect Supervision

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

Attenuation Distortion

The term "Attenuation Distortion" denotes the difference in loss at specified frequencies relative to the loss at 1004 Hz, unless otherwise specified.

Balance (100 Type) Test Line

The term "Balance (100 Type) Test Line" denotes an arrangement in an end office which provides for balance and noise testing.

Bit

The term "Bit" denotes the smallest unit of information in the binary system of notation.

Business Day

The term "Business Day" denotes the times of day that a company is open for business. Generally, in the business community, these are 8:00 or 9:00 AM to 5:00 or 6:00 PM, respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Busy Hour Minutes of Capacity (BHMC)

The term "Busy Hour Minutes of Capacity (BHMC)" denotes the customer specified maximum amount of Switched Access Service/and or Directory Assistance Service access minutes the customer expects to be handled in an end office switch during any hour in an 8:00 A.M. to 11:00 P.M. period for the Feature Group and/or Directory Assistance Service ordered. This customer furnished BHMC quantity is the input data the Telephone Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

Call

The term "Call" denotes a customer attempt for which the complete address code (e.g., 0-, 911, or 10 digits) is provided to the serving dial tone office.

Carrier or Common Carrier

See Interexchange Carrier.

CCS

The term "CCS" denotes a hundred call seconds, which is a standard unit of traffic load that is equal to 100 seconds of usage or capacity of a group of servers (e.g., trunks).

Central Office

The term "Central Office" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks.

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**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Central Office Prefix

The term "Central Office Prefix" denotes the first three digits (NXX) of the seven digit telephone number assigned to a Customer's Telephone Exchange Service when dialed on a local basis.

Centralized Automatic Reporting on Trunks (CAROT) Testing

The term "Centralized Automatic Reporting on Trunks (CAROT) Testing" denotes a type of testing which includes the capacity for measuring operational and transmission parameters.

Channel(s)

The term "Channel(s)" denotes an electrical or photonic, in the case of fiber optic based transmission systems, communications path between two or more points of termination.

Channel Service Unit

The term "Channel Service Unit" denotes equipment which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format errors, or remote loop back.

Channelize

The term "Channelize" denotes the process of multiplexing-demultiplexing wider bandwidth or high speed channels into narrower band-width or lower speed channels.

Clear Channel Capability

The term "Clear Channel Capability" denotes an arrangement that allows the customer to transport 1.544 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits. This service utilizes the Bipolar with eight zero substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Extended Superframe Format (ESF).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise with an idle voice channel. The frequency weighting, called C-message, is used to simulate the frequency characteristic of the 500-type telephone set and the hearing of the average subscriber.

C-Notched Noise

The term "C-Notched Noise" denotes the C-message frequency weighted noise on a voice channel with a holding tone, which is removed at the measuring end through a notch (very narrow band) filter.

Coin Station

The term "Coin Station" denotes a location where Telephone Company equipment is provided in a public or semipublic place where Telephone Company customers can originate telephonic communications and pay the applicable charges by inserting coins into the equipment.

Common Line

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the local exchange service tariffs of the Telephone Company, terminated on a central office switch. A common line-residence is a line or trunk provided under the residence regulations of the local exchange service tariffs. A common line-business is a line provided under the business regulations of the local exchange service tariffs.

Common Channel Signaling (CCS)

The term "Common Channel Signaling" denotes a Digital Switched Communications Network that allows call control messages from the voice and data networks to be transferred on separate communications paths (out of band) from the voice and data communications.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Common Channel Signaling Network (CCSN)

The term "Common Channel Signaling Network" denotes the digital data network carrying signaling information that interfaces with Telephone Company voice/data network for services using CCS7 Signaling protocol.

Common Channel Signaling Network Connection (CCSNC)

The term "Common Channel Signaling Network Connection" denotes the connection between the customers Signaling Point Of Interface (SPOI) and the Telephone Companies Signal Transfer Point (STP) for the transport of signaling information.

Communications System

The term "Communications System" denotes channels and other facilities which are capable of communications between terminal equipment provided by other than the Telephone Company.

Confirmed Service Date

The term "Confirmed Service Date" denotes the date on which work activity is scheduled to be completed by the Telephone Company and the service is ready for use by the customer. The Confirmed Service Date is provided by the Telephone Company to the customer.

Customer

The term "Customer" denotes any individual, partnership, association, corporation, or governmental agency or any other entity which subscribes to the services offered under this tariff including both Interexchange Carriers (Customers) and End Users.

Customer Designated Premises

The term "Customer Designated Premises" (CDP) denotes a location specified by the customer for the purpose of terminating services. The Telephone Company must have access to the location to perform installation, testing, and maintenances functions. The customer may or may not have access to the location. CDPs include locations such as customer premises, end user premises, customer repeater stations, customer microwave towers, a Telephone Company's first point of switching, some other point where Telephone Company testing can occur, etc.

(N)

(N)

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Customer Designated Premises (Cont'd)

A CDP may be designated by the customer for Switched Access, Special Access, or both in combination. Customer transmission facilities and equipment terminated in Telephone Company central offices under EIS arrangements, as defined in Frontier Telephone Companies Tariff FCC No. 1; Section 16 are not considered a CDP. However, Telephone Company Special Access Services may be interconnected to such customer equipment using a Cross Connect arrangement. When a customer orders Special Access to connect to a Telephone Company Switch, that switch is a CDP where the Special Access Service Terminates.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Customer Message

The term "Customer Message" used herein for Feature Group A Switched Access Service denotes a completed call over an interstate Feature Group A Switched Access Service. A completed call includes both completed calls originated to and terminated from a Feature Group A Switched Access Service. A customer message begins in the originating direction when the off-hook supervision provided by the premise of the ordering customer is received by Telephone Company recording equipment.

A customer message begins in the terminating direction when answer supervision is received by Telephone Company recording equipment indicating the called party has answered. A customer message ends in the originating direction when disconnect supervision is received by Telephone Company recording equipment from the premise of the ordering customer. A customer message ends in the terminating direction when disconnect supervision is received by Telephone Company recording equipment from either the premise of the ordering customer or the called party.

The term "Customer Message" used herein for Feature Group C and D Switched Access Service denotes a completed interstate call originated by a customer's end user. A customer message begins when answer supervision from the premise of the ordering customer is received by Telephone Company recording equipment indicating that the called party has answered. A message ends when disconnect supervision is received by Telephone Company recording equipment from either the premise of the ordering customer or the customer's end user premise from which the call originated.

Data Transmission (107 Type) Test Line

The term "Data Transmission (107 Type) Test Line" denotes an arrangement which provides for a connection to a signal source which provides test signals for one-way testing of data and voice transmission parameters.

Decibel (db)

The term "Decibel" denotes a unit used to express relative difference in power, usually between acoustic or electric signals, equal to ten (10) times the common logarithm or the ratio of two signal powers.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Decibel Reference Noise C-Message Weighting

The term "Decibel Reference Noise C-Message Weighting" denotes noise power measurements with C-message weighting in decibels relative to a reference 1000 Hz tone of 90 dB below 1 milliwatt.

Decibel Reference Noise C-Message Referenced to 0

The term "Decibel Reference Noise C-Message Referenced to 0" denotes noise power in "Decibel Reference Noise C-Message Weighting" referred to or measured at a zero transmission level point.

Detail Billing

The term "Detail Billing" denotes the listing of each message and/or rate element for which charges to a customer are due on a bill prepared by the Telephone Company.

Digital Access Cross-connect System

The term "Digital Access Cross-connect System" denotes a multiplexing system that provides a digital interface between a Telephone Company designated Hub wire center and a customer designated premises.

Digital Data Service Secondary Channel

The term "Digital Data Service Secondary Channel" denotes an option to DDS that allows the performance of network testing and management through a derived data channel at a substantially lower bit rate without network interruption.

Direct-Trunked Transport

The term "Direct Trunked Transport" denotes transport from the serving wire center to the end office without switching at the tandem.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Directory Assistance (Intrastate)

The term "Directory Assistance" denotes the provision of telephone numbers by a Telephone Company operator when the operator location is accessed by a Customer by dialing (NPA) 555-1212.

Dual Tone Multifrequency Address Signaling

The term "Dual Tone Multifrequency Address Signaling" denotes a type of signaling that is an optional feature of Switched Access Feature Group A. It may be utilized when Feature Group A is being used in the terminating direction (from the point of termination with the Customer to the local exchange end office). An office arranged for Dual Tone Multifrequency Signaling would expect to receive address signals from the Customer in the form of Dual Tone Multifrequency signals.

Echo Control

The term "Echo Control" denotes the control of reflected signals in a telephone transmission patch.

Echo Path Loss (EPL)

The term "Echo Path Loss" denotes the measure of reflected signal at a 4-wire point of interface without regard to the send and receive Transmission Level Point (TLP).

Echo Return Loss (ERL)

The term "Echo Return Loss" denotes a frequency weighted measure of return loss over the middle of the voiceband (approximately 500 to 2500 Hz) where talker echo is most annoying.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Effective 2-Wire

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

Effective 4-Wire

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Telephone Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the Customer premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two-wire interface combines the transmission paths into a single path.

End Office Switch

The term "End Office Switch" denotes a local Telephone Company switching system where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Included are Remote Switching Modules (RMS) and Remote Switching Systems (RSS) served by a host office in a different wire center.

End User

The term "end user" denotes any customer of an interstate or foreign telecommunications service that is not a carrier, except that a carrier other than a telephone company shall be deemed to be an "end user" when such carrier uses a telecommunications service for administrative purposes, and a person or entity that offers telecommunications service exclusively as a reseller shall be deemed to be an "end user" if all resale transmissions offered by such reseller originate on the premises of such reseller.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Entrance Facility

The term "Entrance Facility" denotes a Switched Access Service dedicated Local Transport facility between the customer's serving wire center and the customer's premise.

Entry Switch

See First Point of Switching

Envelope Delay Distortion (EDD)

The term "Envelope Delay Distortion" denotes a measure of the linearity of the phase versus frequency of a channel.

Equal Level Echo Path Loss (ELEPL)

The term "Equal Level Echo Path Loss" denotes the measure of Echo Path Loss (EPL) at a 4-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP).

[ELEPL - EPL = TLP (send) + TLP (receive)].

Expected Measured Loss (EML)

The term "Expected Measured Loss" denotes a calculated loss which specified the end-to-end 1000 Hz transducer loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss including any test pads.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**2. General Regulations (Cont'd)2.6 Definitions (Cont'd)Exchange

The term "Exchange" denotes a unit generally smaller than LATA, established by the Telephone Company for the administration of communications service in a specified area which usually embraces a city, town or village and its environs. It consists of one or more central offices together with the associated facilities used in furnishing communications service within that area. One or more designated exchanges comprise a given LATA.

Field Identifier

The term "Field Identifier" denotes two or four alphabetic characters or a combination of one to three alphabetic characters and one numeric character. The numeric character must always be the last character of the Field Identifier. Field identifiers are used on service orders to identify an associated data entry and to convey specific instructions. Field Identifiers may or may not have associated data. Selected field identifiers are used in Telephone Company billing systems to generate nonrecurring charges.

First Come - First Served

The term "First Come - First Served" denotes a procedure followed when a shortage of facilities or equipment occurs, such that an Access Service ordered cannot be installed. The orders delayed by the shortage of facilities will be prioritized according to the sequence in which they were received. That is, when facilities or equipment become available, the first order received will be the first order processed.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

First Point of Switching

The first Telephone Company or Centralized Equal Access provider location at which switching occurs on the terminating path of a call proceeding from the customer premises to the terminating end office and, at the same time, the last Telephone Company or centralized equal access provider location at which switching occurs on the originating path of a call proceeding from the originating end office to the IC or customer premises.

Frequency Shift

The term "Frequency Shift" denotes the change in the frequency of a tone as it is transmitted over a channel.

Grandfathered

The term "Grandfathered" denotes Terminal Equipment, Multiline Terminating Systems and Protective Circuitry directly connected to the facilities utilized to provide services under the provisions of this tariff, and which are considered grandfathered under Part 68 of the FCC's Rules and Regulations.

Host Office

The term "Host Office" denotes an electronic switching system which provides call processing capabilities for one or more Remote Switching Modules or Remote Switching Systems.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Immediately Available Funds

The term "Immediately Available Funds" denotes a corporate or personal check drawn on a bank account and funds which are available for use by the receiving party on the same day on which they are received and include U.S. Federal Reserve bank wire transfers, U.S. Federal Reserve notes (paper cash), U.S. coins, and U.S. Postal Money Orders.

Impedance Balance

The term "Impedance Balance" denotes the method of expressing Echo Return Loss and Singing Return Loss at a 4-wire interface whereby the gains and/or loss of the 4 wire portion of the transmission path, including the hybrid, are not included in the specification.

Impulse Noise

The term "Impulse Noise" denotes any momentary occurrence of the noise on a channel over a specified level threshold. It is evaluated by counting the number of occurrences which exceed the threshold.

Individual Case Basis (ICB)

The term "Individual Care Basis" denotes a condition in which the regulations, if applicable, rates and charges for an offering under the provisions of this tariff are developed based on the circumstances in each case.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Inserted Connection Loss (ICL)

The term "Inserted Connection Loss" denotes the 1004 Hz power difference (in dB) between the maximum power available at the originating end and the actual power reaching the terminating and through the inserted connection.

Interexchange Carrier (IC) or Interexchange Common Carrier

The term "Interexchange Carrier" (Customer) or "Interexchange Common Carrier" denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in interstate or foreign communication by wire or radio, between two or more exchanges.

Intermodulation Distortion

The term "Intermodulation Distortion" denotes a measure of the nonlinearity of a channel. It is measured using four tones, and evaluating the ratios (in dB) of the transmitted composite four-tone signal power to the second-order products of the tones (R2), and the third-order products of the tones (R3).

Interstate Communications

The term "Interstate Communications" denotes both interstate and foreign communications.

Intrastate Communications

The term "Intrastate Communications" denotes any Communications within a state subject to oversight by a state regulatory commission as provided by the laws of the state involved.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Line Port Rates

(N)

The line port is a monthly charge to recover the cost of ISDN line port and other line ports, to the extent these costs exceed the cost of a line port used for basic, analog service.

(N)

Line Side Connection

The term "Line Side Connection" denotes a connection of a transmission path to the line side of a local exchange switching system.

Local Access and Transport Area (LATA)

The term "Local Access and Transport Area" denotes a geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Loop Tandem Switch

The term "Loop Tandem Switch" denotes a local Telephone Company operating unit by means of which local or access telephonic communications are switched to and from an End Office Switch.

Loop Around Test Line

The term "Loop Around Test Line" denotes an arrangement utilizing a Telephone Company central office to provide a means to make certain two-way transmission tests on a manual basis. This arrangement has two central office terminations, each reached by means of separate telephone numbers and does not require any specific customer premises equipment. Equipment subject to this test arrangement is at the discretion of the customer.

Loss Deviation

The term "Loss Deviation" denotes the variation of the actual loss from the designed value.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Message

The term "Message" denotes a completed call.

Milliwatt (102 Type) Test Line

The term "Milliwatt (102 Type) Test Line" denotes an arrangement in an end office which provides a 1004 Hz tone at 0 dBm0 for one-way transmission measurements towards the customer's premises from the Telephone Company end office.

Network Control Signaling

The term "Network Control Signaling" denotes the transmission of signals used in the telecommunications system which perform functions such as supervision (control, status, and charge signals), address signaling (e.g., dialing), calling and called number identifications, rate of flow, service selection error control and audible tone signals (call progress signals indicating re-order or busy conditions, alerting, coin denomination, coin collect and coin return tones) to control the operation of the telecommunications system.

Nonsynchronous Test Line

The term "Nonsynchronous Test Line" denotes an arrangement in step-by-step end offices which provides operational tests which are not as complete as those provided by the synchronous test lines, but can be made more rapidly.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

North American Numbering Plan

The term "North American Numbering Plan" denotes a three-digit area (Numbering Plan Area) code and a seven-digit telephone number made up of a three-digit Central Office code plus a four-digit station number.

Off-Hook

The term "Off-hook" denotes the active condition of Switched Access or a Telephone Exchange Service line.

On-Hook

The term "On-Hook" denotes the idle condition of Switched Access or a Telephone Exchange Service line.

Open Circuit Test Line

The term "Open Circuit Test Line" denotes an arrangement in an end office which provides an ac open circuit termination of a trunk or line by means of an inductor of several Henries.

Originating Direction

The term "Originating Direction" denotes the use of access service for the origination of calls from an End User Premises to an IC Premises.

Pay Telephone

The term "Pay Telephone" denotes Telephone Company provided instruments and related facilities that are available to the general public for public convenience and necessity, including public and semi-public telephones, and coinless telephones.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Phase Jitter

The term "Phase Jitter" denotes the unwanted phase variations of a signal.

Point of Termination

The term "Point of Termination" denotes the point of demarcation within a customer-designated premises at which the Telephone Company's responsibility for the provision of Access Service ends.

Premises

The term "Premises" denotes a building or buildings (except Railroad Right-of-Way, etc.) not separated by a public highway.

Remote Switching Modules (RSM) and/or Remote Switching Systems (RSS)

The term "Remote Switching Modules and/or Remote Switching Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an ESS-type Host Office. The RSM/RSS cannot accommodate direct trunks to a Customer.

Return Loss

The term "Return Loss" denotes a measure of the similarity between the two impedances at the junction of two transmission paths. The higher the return loss, the higher the similarity.

Registered Equipment

The term "Registered Equipment" denotes the customer's premises equipment which complies with and has been approved within the Registration Provisions of Part 68 of the F.C.C.'s Rules and Regulations.

Serving Wire Center

The term "Serving Wire Center" denotes the wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Seven Digit Manual Test Line

The term "Seven Digit Manual Test Line" denotes an arrangement which allows the Customer to select balance, milliwatt and synchronous test lines by manually dialing a seven digit number over the associated access connection.

Shortage of Facilities or Equipment

The term "Shortage of Facilities or Equipment" denotes a condition which occurs when the Telephone Company does not have appropriate cable, switching capacity, bridging or, multiplexing equipment, etc., necessary to provide the Access Service requested by the customer.

Short Circuit Test Line

The test "Short Circuit Test Line" denotes an arrangement in an end office which provides for an ac short circuit termination of a trunk or line by means of a capacitor of at least four microfarads.

Signal-to-C-Notched Noise Ratio

The term "Signal-to-C-Notched Noise Ratio" denotes the ratio in dB of a test signal to the corresponding C-Notched Noise.

Signaling Point of Interface (SPOI)

The term "Signaling Point Of Interface" (SPOI) denotes the interface point between the Telephone Company and its Access Customers for purposes of exchanging SS7 Signaling messages for CCS services.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Signaling System Seven (SS7)

The term "Signaling System Seven" (SS7) denotes the layered protocol used for standardized Common Channel Signaling in the United States.

Signaling Transfer Point (STP)

The term "Signaling Transfer Point" (STP) denotes a packet switch providing CCS Network Access and performs CCS message routing and screening.

Singing Return Loss (SRL)

The term "Singing Return Loss" denotes the frequency weighted measure of return loss at the edges of the voiceband (200 to 500 Hz and 2500 to 3200 Hz), where singing (instability) problems are most likely to occur.

Special Access Circuit

The physical pathway for electromagnetic transmission of information between a dedicated originating point and a dedicated terminating point.

Special Order

The term "Special Order" denotes an order for a Billing and Collection Service or an order for a Directory Assistance Service.

Subtending End Office of an Access Tandem

The term "Subtending End Office of an Access Tandem" denotes an end office that has final trunk group routing through that tandem.

Synchronous Test Line

The term "Synchronous Test Line" denotes an arrangement in an end office which performs marginal operational tests of supervisory and ring-tripping functions.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Terminating Direction

The term "Terminating Direction" denotes the use of Access Service for the completion of calls from an IC premises to an End User Premises.

Transmission Measuring (105 Type) Test Line/Responder

The term "Transmission Measuring (105 Type) Test Line/Responder" denotes an arrangement in an end office which provides far-end access to a recorder and permits two-way loss and noise measurements to be made on trunks from a near end office.

Transmission Path

The term "Transmission Path" denotes an electrical path capable of transmitting signals within the range of the service offering, e.g., a voice grade transmission path is capable of transmitting voice frequencies within the approximate range of 300 to 3000 Hz. A transmission path is comprised of physical or derived facilities consisting of any form or configuration of plant typically used in the telecommunications industry.

Trunk

The term "Trunk" denotes a communications path connecting two switching systems in a network, used in the establishment of an end-to-end connection.

Trunk Group

The term "Trunk Group" denotes a set of trunks which are traffic engineered as a unit for the establishment of connections between switching systems in which all of the communications paths are interchangeable.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

2. General Regulations (Cont'd)

2.6 Definitions (Cont'd)

Trunk Side Connection

The term "Trunk Side Connection" denotes the connection of a transmission path to the trunk side of a local exchange switching system.

Two-Wire to Four-Wire Conversion

The term "Two-Wire to Four-Wire Conversion" denotes an arrangement which converts a four-wire transmission path to a two-wire transmission path to allow a four-wire facility to terminate in a two-wire entity (e.g., a central office switch).

Uniform Service Order Code

The term "Uniform Service Order Code" denotes a three or five character alphabetic, numeric, or an alphanumeric code that identifies a specific item of service or equipment. Uniform Service Order Codes are used in the Telephone Company billing system to generate recurring rates and nonrecurring charges.

V and H Coordinates Method

The term "V and H Coordinates Method" denotes a method of computing airline miles between two points by utilizing an established formula which is based on the vertical (V) and horizontal (H) coordinates of the two points.

WATS Serving Office<sup>1</sup> - Grandfathered

(C)

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in conjunction with the provision of special access services.

Wire Center

The term "Wire Center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

3. Carrier Common Line Access Service

3.1 General Description

Carrier Common Line Access Service provides for the use of Telephone Company common lines by customers for access to End Users to furnish Interstate Communications.

3.2 Regulations, Rates and Charges

Regulations, Rates and Charges for Carrier Common Line Access Service are the same as those set forth in Section 3. of the Illinois Small Company Exchange Carrier Association Tariff I.C.C. No. 1.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service

4.1 Presubscription

Presubscription is a service in an end office equipped with Feature Group D whereby an end user may select and designate to the Telephone Company and IC to access, without dialing a 10XXX access code, for interLATA intrastate calls. This IC is referred to as the end user's Primary Interexchange Carrier (PIC).

On the effective date of equal access (i.e., introduction of FGD in a serving end office), end users who have not designated an IC will continue with the same IC service arrangement as existed prior to office conversion until the allocation process described in (B) following occurs.

**FRONTIER COMMUNICATIO-S-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

Presubscription is furnished in accordance with the detailed provisions of the Federal Communications Commission's Allocation Plan as set forth in Appendix B of its Memorandum Opinion and Order in CC Docket No. 83-1145, Phase I, adopted May 31, 1985 and released June 12, 1985 and its Memorandum Opinion and Order in CC Docket No. 83-1145, Phase I adopted August 19, 1985 and released August 20, 1985. Principal provisions of the Allocation Plan, and associated Telephone Company provisions as may be appropriate, are described in Sections (A) through (G), following.

(A) End User Notification and Equal Access Balloting Process

The Telephone Company will, through the mailing of an Equal Access Ballot postcard, notify end users of the availability of Equal Access. The initial ballot, the first of two ballots the end user may receive, lists all ICs participating in the balloting process, along with an explanation of equal access. This ballot will be mailed to the end user approximately 85 days, but in no case later than 90 days, prior to the end office availability for Equal Access.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(A) End User Notification and Equal Access Balloting Process (Cont'd)

Using the initial ballot, which an end user is encouraged to return within 30 days of receipt, an end user may designate an IC for all of its lines or may choose a different IC for each of its lines. Where an end user has 14 lines or less the end user may designate more than one IC for each line using the Ballot. Where an end user has more than 14 lines and wants to designate more than one IC for these lines, the end user is instructed to contact the Telephone Company.

End users may designate that they do not want to presubscribe to any IC. The end user must arrange this designation by directly notifying the Telephone Company's business office. This choice will require the end user to dial an access code (10XXX) for all interstate calls.

(B) Allocation Process

An IC must notify the Telephone Company of its intent to participate in the allocation process 52 days prior to the end office conversion to equal access. The IC must also identify whether it will participate in the allocation of either business lines or residence lines, or both.

The Telephone Company will tabulate the initial ballots received from the end users and the IC customer lists described in 4.1(A) and (C).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(B) Allocation Process (Cont'd)

The percentage of end users who have selected each participating IC will be determined on the basis of the initial ballots returned by end users and the IC customer lists submitted up to approximately 30 days after an end office conversion to equal access. Approximately 44 days after the end office conversion to equal access, a list of end users who have not designated an IC will also be compiled. A second ballot will be sent to those end users who have not designated an IC.

A separate allocation process will be used for residence and business lines. An IC will receive an allocated percentage of residence lines according to the percentage of residence lines designated and a second allocated percentage of business lines according to the percentage of business lines designated.

If an IC participating in the ballot process notifies the Telephone Company that it does not wish to participate in the allocation process, the percentage of lines allocable to that nonparticipating IC will be allocated to the remaining ICs.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**4. End User Access Service (Cont'd)4.1 Presubscription (Cont'd)(C) Interexchange Carrier End User Lists

End users may be assigned to an IC on the basis of IC provided lists containing the names of end users that have made individual arrangements to designate that carrier as their primary IC. IC lists submitted to the Telephone Company must be in a format agreed upon by both the Telephone Company and IC. To be included in the office conversion, all carrier lists must be provided no later than the time specified on the Telephone Company schedule. Upon submitting end user lists, the IC must certify that they have on file, or have instituted steps designed to obtain signed letters of agency or confirmations of choice from the end user. ICs should request written confirmations of choice from their end users no later than the date of submission of their first bill to the end user. Agency letters or written confirmations should recognize the following:

- (a) The end user designates the IC as its agent for the presubscription process,
- (b) End user understanding that only one IC may be designated as the primary IC for any one exchange telephone line or trunk,
- (c) Any primary IC selection after the initial one will incur a charge, if such a selection is made after conversion of the serving end office to equal access. (Subsequent selections made prior to conversion of the serving end office to equal access are made at no charge),
- (d) The specific telephone numbers for which the primary IC is being designated must be listed.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(C) Interexchange Carrier End User Lists (Cont'd)

Actual ballots accepted by the IC from end users must be retained for inspection by the Telephone Company for one year after the conversion date. End user lists received by the Telephone Company by the initial ballot deadline will be processed within the same schedule as initial ballots. End user lists received from the initial ballot deadline to the second ballot deadline will also be honored according to the Telephone Company's processing schedule. ICs must accept responsibility for billing disputes arising from processing end user lists.

(D) End User Choice Discrepancy

When a discrepancy is determined regarding an end user's designation of a PIC, the following applies depending upon the situation described:

- When an end user indicates more than one IC choice per line on a ballot, or returns an illegible ballot, the Telephone Company will contact the end user for clarification.
- When the Telephone Company identifies a conflict between a ballot and an IC list or between lists submitted by two or more ICs, the Telephone Company will notify, within 10 days the end user by mail and notify all affected ICs via a Confirmation/Reject Report.
- When a change in PIC selection is made after conversion of an end office to equal access, the Telephone Company will confirm the new PIC selection with the end user and notify the newly designated IC within 10 days.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**4. End User Access Service (Cont'd)4.1 Presubscription (Cont'd)(D) End User Choice Discrepancy (Cont'd)

The Telephone Company will process presubscription orders on the basis of authorization dates and will give precedence to the order, whether by ballot or IC customer list, with the latest authorization. If the authorization date from the ballot and IC customer list is the same, the ballot takes precedence. Prior to equal access conversion, when both an entry on an IC customer list and a ballot are received for one end user and the designated PIC does not match on both documents, the Telephone Company will contact the end user by mail for clarification within ten days of identification of the conflict and notify the ICs involved of the conflict by mail at the same time. When two or more ICs provide IC customer lists indicating that a particular end user has designated them as the PIC, the Telephone Company will notify both the end user and ICs involved of the conflict at the same time by mail within 10 days of identification of the conflict. If the end user submits a new ballot, the end user will be assigned to the IC designated on the new ballot. If one or more IC certifies that it has on file a signed letter of agency, the end user will be assigned to the IC holding a signed letter of agency with the latest authorization date. If both a new ballot and an IC certification are received, the document with the later authorization date takes precedence.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(D) End User Choice Discrepancy (Cont'd)

If the authorization date on the ballot and the IC certification is the same, the ballot takes precedence. If the Telephone Company does not receive a new ballot or IC certification prior to conversion of the end office to equal access, the end user will be assigned to the IC designated on the order with the latest authorization date.

After the end office conversion to equal access, when an entry on an IC customer list and a ballot or an entry on two or more IC customer lists is received for the end user and the designated PIC does not match, the Telephone Company will process the order with the latest authorization date and notify the end user and IC(s) submitting customer lists within 10 days. The end user will be notified within 10 days of any change in PIC selection by the Telephone Company. Changes in PIC selection also will be processed on the basis of authorization dates.

For purposes of this subsection (D), the authorization date for a ballot is the signature date and the authorization date for an IC certification is the date the IC submits as the signed letter of agency date.

After the end office conversion to equal access, a change in PIC selection with the latest date will be processed.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(E) Presubscription Charge Application

End users making their initial PIC selection, or changing their PIC selection during the approximately 90 day period prior to the equal access conversion date, either by returning the ballot to the address specified by the Telephone Company, by direct contact with the Telephone Company, or by contacting an IC directly will not incur a Presubscription charge. End users making their initial PIC selection during the six months following the conversion date will not incur a Presubscription charge. End users will incur a Presubscription charge if they make their initial PIC selection more than six months after the conversion date or if they change their initial or subsequent PIC selection after the conversion date.

If an IC discontinues its Feature Group D Switched Access Service prior to or anytime after the conversion of an office to equal access, the IC is obligated to contact in writing the Telephone Company and all end users who have selected or been allocated to the cancelling IC. This notification must be received by the Telephone Company and all end users and agents at least four months prior to the IC's discontinuance of Feature Group D service and must inform all parties of the cancellation and request the end users and agents select a new primary IC. Further, the IC must notify the end users that it will pay the Presubscription charge, as set forth in (G) following. The Telephone Company will bill the cancelling IC the Presubscription charge for each end user affected.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(E) Presubscription Charge Application (Cont'd)

For a period of two years from the discontinuance of FGD service, the Telephone Company can bill an IC that has cancelled FGD service, the change charge for each end user that the IC has designated to it as of the date of the notice of discontinuance.

Any allocated end user, as set forth in (B) preceding, may make a PIC selection even after the allocation has taken place. No charge will apply if the selection occurs within six months after the conversion of an office to equal access.

New end users Service, who will be served by end offices equipped with equal access, will be asked to select a PIC at the time they place an order with the Telephone Company for Telephone Exchange Service (#). New end users who do not select a PIC at the time an order is placed will be sent a ballot to aid in their selection of a PIC. There will be no charge for this initial selection provided the ballot is returned within 30 days of the date service is established.

- (#) Unauthorized PIC changes to Public and Semi-Public Pay Telephones, Business or Residence lines, are subject to the charges specified in Section 4.1(G)2 following. An unauthorized PIC change is defined as a PIC charge that the Pay Telephone Agent or Subscriber to the Business or Residence service denies authorizing, and the IC is unable to produce a letter of agency or authorization.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(E) Presubscription Charge Application (Cont'd)

If a new end user fails to designate an IC as its predesignated IC prior to the date of installation of Telephone Exchange Service, the Telephone Company will require the end user to dial an access code (10XXX) for all interstate calls, until a selection is received.

(F) IC Participation Requirements

The Telephone Company will give notice to the ICs of equal access conversions six months prior to such conversions. In order to be considered eligible to be on an Equal Access Ballot, the IC must place a firm order for Feature Group D Switched Access Service with the Telephone Company no later than 120 days prior to the end office conversion date. In addition, the IC must notify the Telephone Company that the IC wishes to participate in the presubscription plan for the end office to be converted and must furnish the information required by the Telephone Company to prepare the ICs ballot listing for that end office. Both the notice of participation and ballot listing information must be received by the Telephone Company no later than 120 days prior to the end office conversion date in order for the ICs listing to appear on an equal access ballot for that end office.

(G) The nonrecurring charges for a change in Presubscription are as follows:

	<u>Non- Recurring Charge</u>
(1) Except as provided in Section 4.1(G) (3) following, the non-recurring charge for changing the PIC to which an End User is presubscribed shall be:	\$10.00 Per Line or Trunk
(2) Unauthorized PIC	\$30.00 Per Line or Trunk
(3) For a customer of CO Centrex service, the non-recurring charge for changing the Group PIC to which the customer's Centrex lines are presubscribed shall be:	\$26.00 Per Order

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(G) (Cont'd)

The foregoing non-recurring charges are billed to the End User listed in the Telephone Company's records as the subscriber to the Telephone Exchange Service, except as set forth in Section 4.1(E) preceding when such charges shall be billed to an IC.

4.1.1 IntraLATA Presubscription

(N)

IntraLATA Presubscription is a procedure whereby an end user designates to the Telephone Company the carrier which the end user wishes to be the carrier of choice for calls subject to IntraLATA switched calls originating in the Telephone Company's exchanges, and handled by the carrier that had been carrying the intraLATA calls prior to the implementation of the IntraLATA Presubscription. Such calls are automatically directed to the carrier that the end user designates without any specific codes or numbers being dialed or pulsed by the end user.

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

(G) (Cont'd)

The foregoing non-recurring charges are billed to the End User listed in the Telephone Company's records as the subscriber to the Telephone Exchange Service, except as set forth in Section 4.1(E) preceding when such charges shall be billed to an IC.

4.1.1 IntraLATA Presubscription

(N)

IntraLATA Presubscription is a procedure whereby an end user designates to the Telephone Company the carrier which the end user wishes to be the carrier of choice for calls subject to IntraLATA switched calls originating in the Telephone Company's exchanges, and handled by the carrier that had been carrying the intraLATA calls prior to the implementation of the IntraLATA Presubscription. Such calls are automatically directed to the carrier that the end user designates without any specific codes or numbers being dialed or pulsed by the end user.

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

4.1.1 IntraLATA Presubscription (Cont'd)

(N)

(A) Calls Not Subject to IntraLATA Presubscription

Calls shall not be subject to IntraLATA Presubscription if they originate and terminate within the geographic area within which the Telephone Company provides calling, through one or more of the following: flat rate service, residence untimed calling and usage measured service bands that extend up to 15 miles from the exchange wire center, and/or flat rate or measured Extended Area Service, as defined in the Telephone Company's tariffs. Zero plus (0+) calls that originate and terminate within the geographic area described above are not subject to IntraLATA Presubscription.

The following calls are not subject to IntraLATA Presubscription: Local directory assistance (e.g. 411), local repair (e.g. 611), emergency (911), zero minus (0-) operator service, and local pay-per-call (e.g. 976) calls.

All intraLATA switched calls not subject to IntraLATA Presubscription and dialed without the use of access codes shall be carried by the Telephone Company.

Calls using the 500, 700, 800, or 900 service access codes will not be subject to IntraLATA Presubscription. These calls will continue to be handled in the manner in which they were handled at the effective date of the Commission order that included the final Illinois Part 773 rules dealing with intraLATA presubscription.

(B) End User IntraLATA Presubscription Options

- (1) The end user may select, for all intraLATA calls subject to presubscription, a carrier that is different than the carrier the end user has chosen for all interLATA calls.
- (2) The end user may select, for intraLATA calls subject to presubscription, a carrier that is the same as the carrier the end user has chosen for interLATA calls.
- (3) The end user may chose not to select a carrier for intraLATA calls. In those instances, the carrier for intraLATA calls will continue to be the carrier that had been carrying the IntraLATA traffic immediately prior to the implementation of intraLATA presubscription.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

4. End User Access Service (Cont'd)

4.1 Presubscription (Cont'd)

4.1.1 IntraLATA Presubscription (Cont'd)

(C) IntraLATA Presubscription Charges

The Telephone Company will notify end users of IntraLATA Presubscription through Telephone Company bill inserts, at least 30 days prior to availability in their exchange. The notice shall be provided to new customers who request network access service between the time the notice is distributed and the date presubscription is implemented at the time they request service. The notice will contain a description of IntraLATA Presubscription, the presubscription choices, how to select among presubscription choices, and any related charges in a manner that does not attempt to influence customers regarding their selections.

There will be no charge for an end user's initial carrier selection made within six months of the implementation of IntraLATA Presubscription within a Telephone Company end office.

New end users will be asked to select a carrier(s), at no charge, at the time they place an order with the Telephone Company for Telephone Exchange Service.

After the end user's initial carrier selection as described above, for any change thereafter, a presubscription charge as set forth in Section 4.1(G) will apply.

If the end user's initial carrier selection is not to choose a carrier, this will be considered a valid choice. Therefore, any change effected subsequent to the six month initial selection period described above will be subject to a presubscription charge as set forth in Section 4.1(G).

(N)

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service

5.1 General

This section sets forth the regulations and charges for Access Orders for Switched and Special Access Services. These charges are in addition to other applicable charges as set forth in other sections of this tariff.

An Access Order is an order to provide the Customer with Switched Access Service or Special Access Service or to provide changes to existing services.

5.1.1 Ordering Conditions

A Customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.

The Customer shall supply all information necessary for the Telephone Company to provide and bill for the requested service.

In addition to the order information required in 5.2 following, the customer must also provide:

- Customer name and address(es)
- Billing name and address (when different from customer name and address)
- Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, and installation and billing Orders for Feature Group A Switched Access Service shall be in lines. Orders for Feature Group B Switched Access Service shall be in trunks. Orders for Feature Groups C and C services are described further in Section 5.2 following. ICs other than AT&T may order Feature Group D access service by either trunks or Busy Hour Minutes of Capacity.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.1 General (Cont'd)

5.1.1 Ordering Conditions (Cont'd)

Switched Access Service

When ordering Switched Access Service, the customer must specify whether the service is to be directly routed to an end office switch through an access tandem. When service is ordered directly to an end office the customer must specify the type and quantity of Direct Trunked Transport facility (e.g., Voice Grade or High Capacity DS1 or DS3).

The Customer must also specify the type of Entrance Facility to be used for Switched Access (e.g., Voice Grade or High Capacity). For High Capacity Entrance Facilities, the customer must specify the facility assignment and the channel assignment for each trunk.

Direct Trunked Transport is available at all end offices except those identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating 800 calls from non-Service Switching Point (SSP) equipped end offices that can not accommodate direct trunking of originating 800 calls.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.1 General (Cont'd)

5.1.2 Provision of Other Services

- (A) Testing Service, Additional Engineering, Additional Labor, Restoration Priority and Special Facilities Routing shall be ordered with an Access Order or subsequently as set forth in other sections of this tariff, will apply in addition to the ordering charges set forth in this section and the rates and charges for the Access Service with which they are associated.
- (B) With the agreement of the Telephone Company, the items listed in (A) preceding may subsequently be added to the order at any time, up to and including the service date for the Access Service. When added subsequently, charges for a design change set forth in 5.2.2 (C) following will apply when an engineering review is required.
- (C) Additional Engineering is not an ordering option, but will be applied to an Access Order when the Telephone Company determines Additional Engineering is necessary to accommodate a customer request. Additional Engineering will only be required as set forth in 13.1 following. When it is required, the customer will be so notified and will be furnished with a written statement setting forth the justification for the Additional Engineering as well as an estimate of the charges. If the customer agrees to the Additional Engineering, a firm order will be established. If the customer does not want the service or facilities after being notified that Additional Engineering of Telephone Company facilities is required, the order will be withdrawn and no charges will apply. Once a firm order has been established, the total charge to the customer for the Additional Engineering may not exceed the estimated amount by more than 10%.

The regulations, rates and charges for Additional Engineering are as set forth in 13.1 following and are in addition to the regulations, rates and charges specified in this section.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order

An Access Order is used by the Telephone Company to provide to a Customer Access Service as follows:

- Switched Access Services as set forth in Section 6. following,
- Special Access Services as described in Section 7. following, and
- Other Services as set forth in 5.1.2 preceding.

When placing an order for Access Service, the Customer shall provide, at a minimum, the following information:

- For Feature Group A Switched Access Service, the customer shall specify the number of lines and the first point of switching (i.e., dial tone office), the Local Transport options and Local Switching options desired. In addition, the customer shall specify whether the off-hook supervisory signaling is provided by the customer's equipment before the called party answers, or is forwarded by the customer's equipment when the called party answers. It shall also specify which lines are to be arranged in multiline hunt group arrangements and which lines are to be provided as single lines.
- For Feature Group B Switched Access Service, the customer shall specify the number of trunks, access tandem switch Local Transport options and Local Switching options desired. In addition, the customer shall also specify for terminating only access minutes which trunks are to be arranged in trunk group arrangements and which trunks are to be provided as single trunks.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

- For Feature Group C and D Switched Access Service, the customer shall specify the number of busy hour minutes of capacity (BHMC) from the customer's premises to the access tandem switch by Feature Group and by type of BHMC. This information is used to determine the number of transmission paths as set forth in 6.5.5 following. The customer then specifies the Local Transport and Local Switching options.
- For Feature Group D Switched Access Service with the SS7 Ordering Option, in addition to information listed in 5.2 preceding, the customer shall specify a reference to existing signaling connections or reference to a related SS7 signaling connection order in 6.3.1 following. The customer must also provide any SS7 Local Switching options. When ordering trunks with SS7 signaling, the customer shall provide STP point codes and location identifier codes, circuit identification codes and switch type.
- For Feature Group D ordered with SS7 Ordering Option, the customer shall work cooperatively with the Telephone Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

Customers may, at their option, order FGD by specifying the number of trunks desired between their premises and an end office or the access tandem switch instead of ordering by BHMC. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the customer must also provide the Telephone Company sufficient information regarding its projected traffic to and/or from each end office subtending the access tandem to enable the Telephone company to efficiently engineer the network. The information may be based on the customer's best estimate.

When a customer places an initial order for 900 Access Service, the customer shall specify in the order the NXX(s). In addition, the customer shall place an order specifying such additions and/or deletions. All NXX codes to be activated or deleted at the same time shall be requested in the same order.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**5. Ordering Options for Switched and Special Access Service (Cont'd)5.2 Access Order (Cont'd)

A special access line may be ordered for use with Feature Group A, B, C or D Switched Access Service and may be ordered separately by a customer other than the customer which orders the FGA, FGB, FGC or FGD Switched Access Service. When ordering a special access line in connection with switched access service, the customer shall specify the customer's premises at which the special access line terminates, the type of line (i.e., two-wire or four-wire), the type of calling (i.e., originating, terminating or two-way) and the type of Supervisory Signaling. The rates for a special access line are as specified in Section 7.5.3(A) for a Channel Termination. Signaling for special access lines used in connection with special access service is provided as a non-chargeable optional feature as described in Section 6.8.2(D)(1). When a customer orders optional screening, switching and/or recording functions and those functions are not provided at the customer serving wire center, Channel Mileage will be provided as set forth in Sections 7.2.3(A) and 7.5.3(B) between the customer serving wire center and a WATS serving office.

For all Special Access Services, the customer must specify the "customer designated premises" or Hubs involved, the type of service (e.g., Metallic, Telegraph Grade, Voice Grade, High Capacity, etc.), the channel interface, technical specification package and options desired. For multipoint services, the channel interface at each premises may, at the request of the customer, be different but all such interfaces shall be compatible.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

The BHMC may be determined by the customer in the following manner. For each business day as defined in 2.6 preceding and for the period from 5:00 PM to 11:00 PM of each such business day, the customer shall determine the highest number of minutes of use for a single hour (e.g., 55 minutes in the 10-11 AM hour). The customer shall, for the same hour period (i.e., busy hour) for each of twenty consecutive business days, pick the twenty consecutive business days in a calendar year which add up to the largest number of minutes of use. Both originating and terminating minutes shall be included. The customer shall then determine the average busy hour minutes of capacity (i.e., BHMC) by dividing the largest number of minutes figure for the same hour period for the consecutive twenty business day period by 20. This computation shall be performed for each end office the customer wishes to serve. These determinations thus establish the forecasted BHMC for each end office.

Where the Special Access Service is exempt from the Special Access Surcharge, as set forth in 7.4.2 following, the customer shall furnish with the order the certification as set forth in 7.4.2 following.

Orders for Switched and Special Access Service are subject to service connection charges. If installation work for Switched Access Services is required at a customer designated premises and the customer authorizes the Telephone Company to perform the work, additional labor charges as set forth in Section 13.2.6 apply. For certain kinds of Special Access Service additional charges apply as set forth in Section 7 following. For conversion of FGD trunks to SS7 Signaling, reconfiguration charges apply as set forth in Section 5.3, following. Access order charges will be waived under conditions outlined in (D) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

- (A) One service charge applies per customer order for all work or service to be provided at one time on the same premises, for the same customer. This charge includes the work associated with the first line in an access service request.
- (B) Additional line charges apply per line, trunk, channel, or port connections or changes in type for lines after the first. Additional line charges do not apply for service reconfigurations as specified in Section 5.3, following.
- (C) Rates
  - (1) Service Charge \$66.00
  - (2) Additional Line Charge \$44.00
- (D) The service and additional line charges will be waived when a customer reconfigures existing trunks between tandem-switched transport and direct-trunked transport services. All trunk rearrangement orders must identify, on a "one for one" or equivalent basis, those existing trunks to be rearranged. Midland will work cooperatively with the customer to determine the "one for one" or equivalent basis for service rearrangement based on industry accepted Engineering standards. All other Access Service requests necessary to meet growth requirements will be assessed standard tariff nonrecurring charges. The orders for connection of reconfigured trunking must occur concurrently with the disconnect order. The due date for disconnect orders may be no longer than 90 days from the due date of the rearrangement connect date. This provision to waive access order charges will expire on July 1, 1994. Orders for rearrangements placed on or prior to July 1, 1994 will qualify for the waiver of nonrecurring charges provided the due date for such rearrangement is no more than 90 days from July 1, 1994. This waiver of charges includes circuit grooming, and circuit roll-ups from a higher speed to a lower speed or from a lower speed to a higher speed, including voice grade.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals

To the extent the Access Service can be made available with reasonable effort, the Telephone Company will provide the Access Service in accordance with the Customer's requested interval, subject to the following conditions:

- (A) The Telephone Company shall publish and make available to all customers, in the Telephone Company Business Office during normal business hours, a schedule of standard intervals applicable for Switched and Special Access Services. This schedule shall specify which services and the quantities of services that can be provided within the intervals. The Telephone Company shall provide such schedules and associated relevant information to all customers upon request and within a reasonable time period for standard or negotiated service intervals.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.1 Access Order Service Date Intervals (Cont'd)

(A) (Cont'd)

Access Services provided within these intervals will be installed during Telephone Company business days. If a Customer requests that installation be done outside of scheduled work hours, and the Telephone Company agrees to this request, the Customer will be subject to applicable Additional Labor Charges as set forth in Section 13.2.6(A) following.

(B) The Telephone Company will negotiate a service date interval with the customer when the service requested is not included in the published list of intervals. The Telephone Company will offer a service date based on the type and quantity of Access Services the customer has requested.

(C) The requested service date may not exceed by more than six months the applicable service date, or, when there is no applicable service date, the service date established by the Telephone Company.

All part-time Television and Program Audio services are subject to a service inquiry. A service inquiry is a request to the Telephone Company to determine if facilities exist to provide the service ordered and to determine the service date on which service can be provided to the customer.

For services provided outside of the published intervals, the nonrecurring charge will equal the service connection charge and any appropriate charges for additional labor as set forth in Section 13.2.6(A) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications

The customer may request a modification of its Access Order prior to the service date. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours the Telephone Company will schedule a new service date. All charges for Access Order modifications will apply on a per occurrence basis.

Any increase in the number of Special Access Service channels, Switched Access Service busy hour minutes of capacity, lines, trunks, or CCS/SS7 Port Terminations will be treated as a new Access Order (for the increased amount only).

If order modifications are necessary to satisfy the transmission performance for a special access service ordered by a Customer, these changes will be made without order modification charges being incurred by the Customer.

(A) Service Date Change Charge

Access Order service dates may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. If the Customer-requested service date is more than 30 calendar days after the original service date, the order will be canceled by the Telephone Company and reissued with the appropriate cancellation charges applied. If the Telephone Company determines it can accommodate the customer's request without delaying service dates for orders of other customers, a new service date may be established that is prior to the original service date.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(A) Service Date Change Charge (Cont'd)

If the service date is changed to an earlier date, and the Telephone Company determines additional labor or extraordinary costs are necessary to meet the earlier service date requested by the customer, the customer will be notified by the Telephone Company that Expedited Order Charges as set forth in (D) following apply. Such charges will apply in addition to the Service Date Change Charge.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed.

Service Date Change Charge                      \$19.00

(B) Partial Cancellation Charge

Any decrease in the number of ordered Special Access Service channels or Switched Access Service busy hour minutes of capacity, lines, trunks, or CCS/SS7 Port Terminations will be treated as a partial cancellation and the charges as set forth in 5.2.3(C) following will apply.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(C) Design Change Charge

The Customer may request a design change to the service ordered. A design change is any change to an Access order which requires engineering review. An engineering review is a review by Telephone Company personnel, of the service ordered and the requested changes to determine what changes in the design, if any, are necessary to meet the changes requested by the customer. Design changes include such things as the addition or deletion of optional features or functions or a change in the type of Termination (Switched Access only), type of channel interface, type of Interface Group or technical specification package. Design Changes do not include a change of customer premises, End User premises, end office switch, Feature Group type or Special Access Service channel type. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate charges applied.

The Telephone Company will review the requested change, notify the Customer whether the change can be accommodated and specify if a new service date is required. If the Customer authorizes the Telephone Company to proceed with the design change, Design Change Charges will apply in addition to charges for Additional Engineering set forth in 13.1.3 following. Design Change Charges will apply on a per order, per occurrence basis. If a change of service date is required, the Service Date Change Charge as set forth in (A) preceding will also apply.

Design Change Charge                      \$51.00

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.2 Access Order Modifications (Cont'd)

(D) Expedited Order Charge

When placing an Access Order, a Customer may request a service date which requires Telephone Company personnel to work outside of scheduled work hours to meet the requested service date. A Customer may also request an earlier service date on a pending Access Order. If the Telephone Company determines it can provide service on the requested date and it determines additional labor costs or extraordinary costs are required, it will notify the customer and provide an estimate of the additional charges involved. Such additional charges will be determined and billed to the customer as follows:

To calculate the additional labor charges, the Telephone Company, upon authorization from the Customer for the Telephone Company to incur the additional labor charges and to bill the Customer for such charges, will keep track of the additional labor hours used to meet the request of the customer at the applicable Additional Labor Charges as set forth in 13.2.6(A) following. The additional charges actually billed to the customer shall not exceed 110 percent of the estimate provided to the customer prior to incurring the additional charges.

The Expedited Order Charge, as set forth below, will apply on a per order basis for each day the service is advanced.

Expedited Order Charge            \$300.00  
Per order, per day advanced

(N)  
|  
(N)

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth is (A) preceding also applies.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order

(A) A Customer may cancel an Access Order for the installation of service on any date prior to the service date. The cancellation date is the date the Telephone Company receives written or verbal notice from the Customer that the order is to be canceled. The verbal notice must be followed by written confirmation within 10 days. If a Customer is unable to accept Access Service within 30 calendar days of the original service date, the Customer has the choice of the following options:

- The Access Order shall be canceled, and charges set forth in (C) following will apply, or
- Billing for the service will commence.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(A) (Cont'd)

In such instances, the cancellation date or the billing date, depending on which option is selected by the customer, shall be the 31st day beyond the original service date of the Access Order.

(B) Reserved for Future Use

(C) When a Customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:

- (1) Installation of Switched or Special Access Service facilities is considered to have started when the Telephone Company incurs any cost in connection therewith or in preparation thereof which would not otherwise have been incurred.
- (2) Where the Customer cancels an Access Order prior to the start of installation of access facilities, no charges shall apply.
- (3) Where installation of access facilities has been started prior to the cancellation, the charges specified in (a) or (b) following, whichever is lower, shall apply.
  - (a) A charge equal to the costs incurred in such installation, less estimated net salvage. Such charge is determined as detailed in (4) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.3 Cancellation of an Access Order (Cont'd)

(C) (Cont'd)

(3) (Cont'd)

(b) The charge for the minimum period of Switched or Special Access Service ordered by the Customer.

(4) Charges applicable as specified in (3)(a) preceding include the nonrecoverable cost of equipment and material ordered, provided or used, plus the nonrecoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs.

(D) When a Customer cancels an order for the discontinuance of service, no charges apply for the cancellation.

(E) If the Telephone Company misses a service date by more than 30 days due to circumstances over which it has direct control (excluding, e.g., acts of God, governmental requirements, work stoppages and civil commotions), the Customer may cancel the Access Order without incurring cancellation charges.

**FRONTIER COMMUNICATION-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.4 Selection of Facilities for Access Orders

- (A) When there are analog or digital high capacity facilities to a Hub on order or in service for the Customer's use, the Customer may request a specific channel or transmission path be used to provide the Switched or Special Access Service requested in an Access Order. The Telephone Company will make a reasonable effort to accommodate the Customer request.
- (B) For all other Access Orders, the option to request a specific transmission path or channel is not provided except as provided for under Special Facilities Routing as set forth in Section 11. following.

5.2.5 Minimum Period

- (A) Except as set forth in (C) following, the minimum period for which Access Service is provided and for which charges are applicable is one month.
- (B) The minimum period for part-time Television and Program Audio Special Access Services is one day even though the service will be provided only for the duration of the event specified on the order (e.g., one-half hour, two hours, five hours, etc.). The minimum period for Voice Grade, High Capacity DS1 and DS3 Special Access Service is as set forth in 7.4.4 following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.6 Minimum Period Charges

When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period. A customer's request for discontinuance of service shall be effective on the date requested in writing by the customer, provided that such written request is received by the Telephone Company at least one business day prior to the date requested by the customer. A customer shall not be liable for charges subsequent to the effective date of the discontinuance, provided that the minimum service period has expired.

The Minimum Period Charge for monthly billed services will be determined as follows:

- (A) For Switched Access Service, the charge for each remaining month and/or fraction thereof is equal to the applicable minimum monthly charge for the capacity as set forth in 6.7.4 following. Switched Access usage rated services (i.e., End Office, Common Line, Tandem Switched Transport, and Residual Interconnection Charges) have no minimum period.
- (B) For Special Access Service, the charge for a month or fraction thereof is the applicable monthly rate for the service as set forth in 7.5 following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

5. Ordering Options for Switched and Special Access Service (Cont'd)

5.2 Access Order (Cont'd)

5.2.7 Shared Use Facilities

Shared use (i.e., Switched and Special Access Service provided over the same analog or digital high capacity facilities) is allowed. Shared use facilities to a Hub will be ordered and utilizing these facilities must be ordered either as Switched Access Service or Special Access Service depending on the intended use. When placing the order for the individual service(s), the Customer must specify a channel assignment for each service ordered.

5.3 Common Channel Signaling Network Configuration

Common Channel Signaling Network Reconfiguration charges apply on conversion of Feature Group D trunks from Multi-frequency (MF) to Common Channel Signaling (CCS). In addition to charges described in Section 5.3(C) following, each order is subject to a Service Order Charge as specified in Section 5.2, preceding.

- (A) Minimum Reconfiguration Charge applies for each reconfiguration order received.
- (B) Trunk Reconfiguration Charges apply per Feature Group D trunk in excess of 48 trunks reconfigured from MF to CCS in any single service order.
- (C) Rates

- (1) Minimum Reconfiguration Charge \$344.00
- (2) Trunk Reconfiguration Charge \$ 8.00

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electric communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, switching and trunking facilities, and for the use of common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.3 following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS <sup>1</sup> services, 800 Data Base Service, 900 Service, MTS/WATS <sup>1</sup> equivalent services and whether it is provided in a Telephone Company end office that is equipped to provide equal access or non equal access. Rates and charges for Switched Access Service are set forth in 6.8 following. The application of rates for Switched Access Service is described in 6.8 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(B)(3), 6.2.2(A)(5), 6.2.2(B)(4), 6.2.3(A)(5), 6.2.4(A)(4), 6.7.10 and 6.7.12 following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.7.11 following.

(C)  
(C)

6.1.1 Feature Group Arrangements and Manner of Provision

Switched Access Service is provided in four service categories of standard and optional features called Feature Groups. These are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Telephone Company entry switch, and the manner in which an end user accesses them in originating calling, e.g., with or without an access code. In addition, 800 Data Base Access Service and 900 Access Service are available through the use of trunk side Feature Groups. Following is a brief description of each Feature Group arrangement, 800 Access Service and 900 Access Service.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

The provision of each Feature Group requires Local Transport facilities, including an Entrance Facility where required, and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Group A, B, C, or D at Telephone Company designated WATS <sup>1</sup> Serving Offices. (C)

There are three specific transmission specifications (i.e., Type A, B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7 following for Voice Grade and High Capacity services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem.

(A) Feature Group A (FGA)

FGA Access, which is available to all customers, provides line side access to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating or terminating communications. A WATS <sup>1</sup> Access Line as set forth in 7.2.3(A) may be ordered separately by a customer other than the customer which orders the FGA Switched Access Service. WATS <sup>1</sup> Access Lines are ordered as set forth in 5.2 preceding. A more detailed description of FGA Access is provided in 6.2.1 following. (C)

(B) Feature Group B (FGB)

FGB Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 950-1XXX access code for non-800 and non-900 Access Service for the customer's (C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(B) Feature Group B (FGB) (Cont'd)

use in originating or terminating communications. A WATS<sup>1</sup> Access Line as set forth in 7.2.3(A) may be ordered separately by a customer other than the customer which orders the FGB Switched Access Service. WATS<sup>1</sup> Access Lines are ordered as set forth in 5.2 preceding. A more detailed description of FGB Access is provided in 6.2.2 following. (C)

(C) Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS<sup>1</sup>, provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. A WATS<sup>1</sup> Access Line as set forth in 7.2.3(A) may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service (i.e., a provider of MTS and WATS<sup>1</sup>). Special access lines are ordered as set forth in 5.2 preceding. A more detailed description of FGC Access is provided in 6.2.3 following. (C)

(D) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 10XXX access code for the customer's use in originating and terminating communications. A WATS<sup>1</sup> Access Line as set forth in 7.2.3(A) may be ordered separately by a customer other than the customer which orders the FGC Switched Access Service (i.e., a provider of MTS and WATS<sup>1</sup>). WATS<sup>1</sup> Access Lines are ordered as set forth in 5.2 preceding. A more detailed description of FGD Access is provided in 6.2.4 following. (C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(E) 800/900 Access Service

(1) Basic 800 Data Base Service

Originating 800 Service is a trunk-side switched service that provides for the routing of 1-800-NXX-XXXX calls originated by end users to the customer subscribing to this access service. When an end user generates an 800 call, the Telephone Company 800 applications software package is accessed. This software package, working with SS7 protocol, formulates a query message to determine the customer to which the call is to be routed. A per query charge will be assessed to the access customer for each 800 call generated by an end user and routed to that access customer. This charge will be assessed on all completed as well as non-completed calls. The per query charge is set forth in section 6.8.5(B), following.

When Basic 800 Data Base Access Service is provided from an end office equipped with equal access capabilities (i.e., FGD), all such service will be provisioned in accordance with technical characteristics available with FGD service. When Basic 800 Data Base Access Service is provided from an end office not equipped with equal access capabilities to a customer that is not a provider of MTS and WATS <sup>1</sup>, such service will be provided over FGB trunks, but provisioned in accordance with the technical characteristics of FGC service.

(C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)

(N)

**FRONTIER COMMUNICATION-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(E) 800/900 Access Service (Cont'd)

(2) 900 Access Service

Originating 900 Access Service is a trunk-side switched service that provides for the routing of 1-900-NXX-XXXX call originated by end users to the customer subscribing to this access service. The Telephone Company first will screen the initial six digits of the 900-NXX-XXXX call generated by end users in order to determine the customer to which the call is to be routed.

When 900 Access Service is provided from an end office not equipped with equal access capabilities to a customer that is not a provider of MTS and WATS <sup>1</sup>, such service will be provided in accordance with the technical characteristics of FGC service.

(C)

A customer's 800 or 900 Access Service traffic shall be combined in the same trunk group arrangement with the customer's non-800 or 900 Access Service traffic. Upon request, the Telephone Company shall provide 800 or 900 Access Service through a separate trunk group established for that purpose, provided that such separate facilities are available and provision of such service in this manner is consistent with efficient network operations.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(F) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC Access, FGD Access and 800 Access are furnished on a BHMC basis and on a per-trunk basis.

BHMCs are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic among BHMC types is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are two major BHMC categories identified as Originating and Terminating. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the customer. Terminating BHMCs represent access capacity within a LATA for carrying traffic from the customer to the end user. When ordering capacity for FGC access and FGD Access, the customer must at a minimum specify access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Feature Group Arrangements and Manner of Provision (Cont'd)

(F) Manner of Provision (Cont'd)

Because some customers will wish to further segregate their originating traffic into separate trunk groups, Originating BHMCs are further categorized into Domestic, 800, 900, Operator and IDDD. Domestic BHMCs represent access capacity for carrying only domestic traffic other than 800, 900 and Operator traffic; IDDD BHMCs represent access capacity for carrying only international traffic; and, 800, 900 and Operator BHMCs represent access capacity for carrying, respectively, only 800, 900 or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, 800, 900, Operator or IDDD BHMCs.

6.1.2 Special Access Lines Used in Connection with Switched Access Service

A special access line may be used in connection with Feature Groups A,B,C, and D Switched Access Service. A special access line use in connection with switched access service connects a customers designated premises with a Telephone Company end office capable of providing such switched access service. This service is described in 7.2.3(A) following. In addition to the charges contained in 7.5.3(A) following, the charges per access minutes for Local Transport, Local Switching, and Information Surcharge as set forth in 6.8.2, 6.8.3(A) and 6.8.3(D) following apply.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories

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

- Local Transport (described in 6.1.3(B) following)
- End Office (described in 6.1.3(C) following)
- Common Line (described in Sections 3 and 4 preceding)

In addition, an Equal Access Cost Recovery charge as set forth in 6.7.14 following applies to Interexchange Carriers who obtain FGD Switched Access Service. Also, 800 or 900 Access Service Non-Recurring Charges as set forth in 6.8.5 apply to customers who obtain 800 or 900 Access Service. These non-recurring charges apply in addition to switched access minute of use charges.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

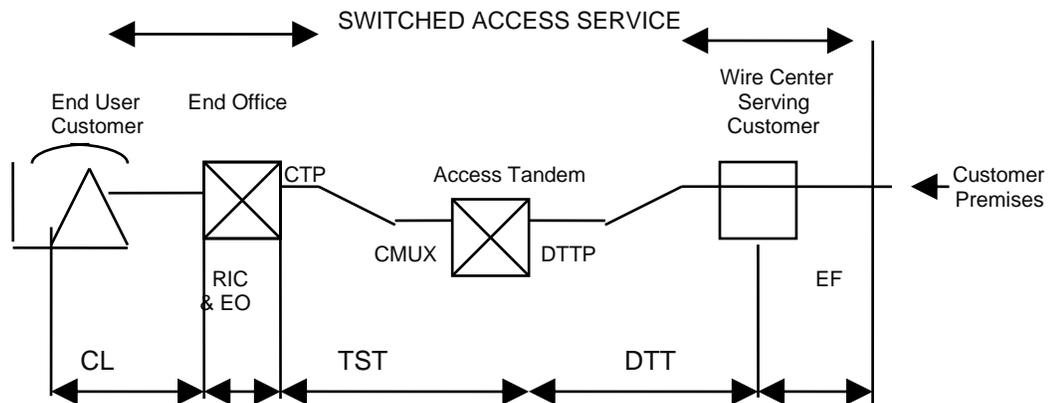
**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.



- |      |   |                                 |
|------|---|---------------------------------|
| RIC  | - | Residual Interconnection Charge |
| CL   | - | Common Line                     |
| EO   | - | End Office                      |
| EF   | - | Entrance Facility               |
| CTP  | - | Common Trunk Port               |
| DTTP | - | Dedicated Tandem Trunk Port     |
| CMUX | - | Common Multiplexing             |
| TST  | - | Tandem Switched Transport       |
| DTT  | - | Direct Trunked Transport        |

\* Common Line access is provided under Section 3. of the NATIONAL EXCHANGE CARRIER ASSOCIATION F.C.C. No. 5, and 4. preceding.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Reserved for Future Use

(B) Local Transport

The Local Transport rate category provides the transmission facilities between the customer designated premises and the end office switch(es) where the customer's traffic is switched to originate or terminate its communications.

(D)

(D)

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency path permits the transport of calls in the originating direction (from the end user end office switch to the customer's premises) and in the terminating direction (from the customer's premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 HZ. The customer must specify the choice of facilities (i.e., Voice Grade wire, or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

(C)

(D)

(D)

Local Transport is provided at the rates and charges set forth in 6.8.2 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

When Local Transport for Feature Groups A, B, C, and D switched access service is provided in connection with special access services, Local Transport will apply between the WATS <sup>1</sup> serving office and the serving wire center for the customer ordering the Feature Group A,B,C, or D Switched Access service. (C)

The customer must specify when ordering:

- whether the service is to be directly routed to an end office switch or through an access tandem
- the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office
- the type of Entrance Facility
- the directionality of the service, and
- when multiplexing is required, the hub(s) at which multiplexing will be provided.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

Direct Trunked Transport is available at all end offices except those identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a centralized equal access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating 800 calls from non-Service Switching Point (SSP) equipped end offices that can not accommodate direct trunking or originating 800 calls.

The Local Transport Rate Category includes five classes of rate elements: (1) Entrance Facility, (2) Direct Trunked Transport, (3) Tandem Switched Transport, (4) Residual Interconnection Charge, and (5) Multiplexing.

(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer designated premises and the type of signaling capability, if any.

Three types of Entrance Facility are available: (1) Voice Grade (an analog channel with an approximate bandwidth of 300 to 3000 hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps), (3) High Capacity DS3 (an isochronous serial digital channel with a rate of

(C)

(C)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(1) Entrance Facility (Cont'd)

44.736 Mbps). The minimum period for which DS1 & DS3 Entrance Facilities are provided is twelve months. (C)

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building. A non-recurring charge for installation will apply when an Entrance Facility is installed. This charge is equal to the non-recurring charge associated with the installation of a Special Access channel termination of the same grade of service, as found in Section 7 of this tariff. (N)

Where an Entrance Facility terminates at an End Office Switch, a dedicated Trunk Port Charge as described in Section 6.1.3(C)(4) shall apply. Where an Entrance Facility terminates at a Tandem Switch, a Dedicated Tandem Port Charge as described in Section 6.1.3(B)(4) shall apply. (N)

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements recovers a portion of the cost associated with the communications path between the serving wire center and the end office on circuits dedicated to the use of a single customer, without switching at a tandem.

The Direct Trunked Transport rate elements are also applied to recover the cost associated with the communication path between the serving wire center and the access tandem, when the access tandem is not located in the serving wire center. (N)

\*Certain regulations previously found on this page can now be found on page 149.1

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(2) Direct Trunked Transport

Direct Trunked Transport is available at all end offices except those identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, as not having the capability to provide Direct Trunked Transport. (M)

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating 800 calls from non-Service Switching Point (SSP) equipped end offices that cannot accommodate direct trunking of originating 800 calls. (M)

\*Certain regulations on this page formerly appeared on page 149.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

Three types of Direct Trunked Transport are available: (1) Voice Grade (an analog channel with an approximate bandwidth of 300 to 3000 Hz), (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps), and (3) High Capacity DS3 (an isochronous serial digital channel with a rate of 44.736 Mbps). The minimum period for which a High Capacity DS3 Direct Trunked Transport is provided is twelve months.

High Capacity DS3 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. Additionally, DS1 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. Offices that provide multiplexing are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

Direct Trunked Transport rates consist of a Direct Trunked Facility rate which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office hub, and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

The Direct Trunked Facility rate recovers a portion of the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(2) Direct Trunked Transport (Cont'd)

The Direct Trunked Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

Where Direct Trunked Transport terminates at an End Office Switch, A Dedicated Port Charge shall apply as described in Section 6.1.3(C)(4). Where Direct Trunked Transport terminates at a Tandem Switch, a Dedicated Tandem Port charge as described in Section 6.1.3(B)(4) shall apply.

(3) Tandem Switched Transport

The Tandem Switched Transport rate elements recover a portion of the costs associated with the communications path between the access tandem and the end office on circuits that are switched at a tandem switch. Tandem Switched Transport consists of circuits used in common by multiple customers from the tandem to the end office. When Tandem Switched Transport to a terminating carrier's end office, and not an end office owned by a Frontier Telephone ILEC Company, the Terminating Tandem 3<sup>rd</sup> Party and Dedicated Trunk Port rates are applicable.

(N)  
|  
(N)

Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate.

The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in 6.8.2 following is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem. Tandem locations are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

The Tandem Switched Facility rate recovers a portion of the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. The Tandem Switched Facility

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(3) Tandem Switched Transport (Cont'd)

rate specified in 6.8.2 following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over this facility.

The Tandem Switched Termination rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Tandem Switched Facility. The Tandem Switched Termination rate specified in 6.8.2 following is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office, and serving wire center). When the Tandem Switched facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply.

Direct Trunks ordered into a class 4/5 office having the capability of carrying traffic to or from other offices, shall be considered a direct trunk to the tandem, and the tandem switching element will apply to all minutes carried over the trunk.

Pursuant to FCC 20-143, released October 9, 2020, tandem switching and transport for originating 800 traffic will be charged via a single usage sensitive Joint Tandem Switched Transport Access Service rate applied per access minute.

(N)  
|  
(N)

(4) Multiplexing

DS3 to DS1 Multiplexing charges apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with High Capacity DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(4) Multiplexing (Cont'd)

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. A DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice Multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

The Shared Multiplexing element applies to all switched minutes (N)

on the end office side of the Tandem Switch. This element recovers the cost of multiplexers used in the provision of Tandem Switched Transport. This rate element applies to all Tandem Switched minutes. (N)

The Residual Interconnection Charge recovers the costs associated with local transport that are not recovered by the Entrance Facility Direct Trunked Transport, Tandem Switched Transport, Multiplexing, or dedicated signaling (i.e., SS7) rates. The Residual Interconnection Charge applies to all access minutes of use.

\*Certain regulations previously appearing on this page can now be found on page 153.1.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(5) Residual Interconnection Charge (Cont'd)

The Basic Interconnection Charge applies to all minutes switched through the Telephone Company's End Office switches. The Supplemental LEC Transport Interconnection Charge applies only to those minutes switched through the Telephone Company's End Office switches which also utilize LEC transport services. For purposes of determining which calls shall be assessed the Supplemental LEC Transport Interconnection Charge, LEC transport services shall be considered to be any or all of the following rate elements, payable to any LEC for transport used to deliver the call to the Telephone Company's End Office Switch: Entrance Facilities, Direct Trunked Transport, Tandem Switching, Tandem Transport (on the segment from the Host Office to the Tandem only), Tandem Trunk Ports, and any multiplexing associated with these elements. LEC transport shall not be considered to include transport services provided by Competitive Access Providers, collocation charges, cross-connects, Dedicated Trunk Ports at the end office, or multiplexers used as the only tariffed element between a cross-connect and a Dedicated Trunk Port. (N)

(6) Interface Groups (M)

Ten Interface Groups are provided for terminating the Local Transport at the customer's premises. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may at the option of the customer be provided with optional features as set forth in (2)(a) and (b) following. (M)

\*Certain regulations on this page previously appeared on page 153.

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) Local Transport (Cont'd)(6) Interface Groups (Cont'd)

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Transmission Specifications Capability Type C, and Interface Groups 2 through 10 are provided with Transmission Specifications Capability Types A and B. All Interface Groups are provided with Data Transmission Parameters.

Only certain premise's interface codes are available at the customer's premises. The premises interfaces associated with the Interface Groups may vary among Feature Groups. The various premises interfaces which are available with the Interface Groups, and the Feature Groups with which they may be used, are set forth in (2)(k) following.

(a) Interface Group 1 (USOC TPPIX)

Interface Group 1, except as set forth in (b) following, provides two-wire voice frequency transmission at the point of termination at the customer's premises. The interface is capable

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(a) Interface Group 1 (USOC TPPIX) (Cont'd)

of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, or FGD such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(b) Interface Group 2 (USOC TPP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The transmission path between the point of termination at the customer premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA such signaling, will be loop start or ground start signaling. When the interface is associated with, FGB, FGC or FGD, such signaling, will be reverse battery signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(c) Interface Group 3 (USOC TPP3X)

Interface Group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 108 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

(d) Interface Group 4 (USOC TPP4X)

Interface Group 4 provides super group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(d) Interface Group 4 (USOC TPP4X) (Cont'd)

frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

(e) Interface Group 5 (USOC TPP5X)

Interface Group 5 provides master group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(f) Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(g) Interface Group 7 (USOC TPP7X)

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(g) Interface Group 7 (USOC TPP7X) (Cont'd)

up to 48 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 48 voice frequency transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point to switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(h) Interface Group 8 (USOC TPP8X)

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplexing and channel bank

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(h) Interface Group 8 (USOC TPP8V) (Cont'd)

equipment in its office to derive up to 96 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(i) Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer designated premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(i) Interface Group 9 (USOC TPP9X) (Cont'd)

switching, or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

(j) Interface Group 10 (USOC TPPAX)

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive up to 4032 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, DS1 signals in D3/D4 format. The interface is provided with individual transmission path bit stream supervisory signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(k) Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see 7.3 following.

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	LO, GO	2DX3	X			
	LO, GO	4EA3-E	X			
	LO, GO	4EA3-M	X			
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	X			
	RV, EA, EB, EC	2DX3		X	X	X
	RV, EA, EB, EC	4EA3-E		X	X	X
	RV, EA, EB, EC	4EA3-M		X	X	X
	RV, EA, EB, EC	6EB3-E		X	X	X
	RV, EA, EB, EC	6EB3-M		X	X	X
	EA, EB, EC	6EC3		X	X	X
	RV	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	SS7	2NO2				X

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(k) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group				
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	
2	LO, GO	4SF2	X				
	LO, GO	4SF3	X				
	LO	4LS2	X				
	LO	4LS3	X				
	LO	6LS2	X				
	GO	4GS2	X				
	GO	4GS3	X				
	GO	6GS2	X				
	LO, GO	4DX2	X				
	LO, GO	4DX3	X				
	LO, GO	6EA2-E	X				
	LO, GO	6EA2-M	X				
	LO, GO	8EB2-E	X				
	LO, GO	8EB2-M	X				
	LO, GO	6EX2-B	X				
	RV, EA, EB, EC	4SF2			X	X	X
	RV, EA, EB, EC	4SF3			X		
	RV, EA, EB, EC	4DX2			X	X	X
	RV, EA, EB, EC	4DX3			X		
	RV, EA, EB, EC	6DX2			X	X	
	RV, EA, EB, EC	6EA2-E			X	X	X
	RV, EA, EB, EC	6EA2-M			X	X	X
	RV, EA, EB, EC	8EB2-E			X	X	X
	RV, EA, EB, EC	8EB2-M			X	X	X
	RV, EA, EC	8EC2-M			X	X	X
	RV	4RV2-O				X	X
	RV	4RV2-T				X	X
	RV	4RV3-O				X	
	RV	4RV3-T				X	
	SS7	4NO2					X

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(6) Interface Groups (Cont'd)

(k) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>
3	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
	SS7	4AH5-B				X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
	SS7	4AH6-C				X
5	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
	SS7	4AH6-D				X
6	LO, GO	4DS9-15	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	SS7	4DS9-15				X
7	LO, GO	4DS9-31	X			
	RV, EA, EB, EC	4DS9-31		X	X	X
8	LO, GO	4DS0-63	X			
	LO, GO	4DS0-63L	X			
	RV, EA, EB, EC	4DS0-63		X	X	X
	RV, EA, EB, EC	4DS0-63L		X	X	X
9	LO, GO	4DS9-44	X			
	RV, EA, EB, EC	4DS9-44		X	X	X
	SS7	4DS9-44				X
10	LO, GO	4DS9-27	X			
	RV, EA, EB, EC	4DS9-27		X	X	X

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(7) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following nonchargeable optional features in association with Local Transport.

(a) Supervisory Signaling

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as following.

- For Interface Groups 1 and 2

DX Supervisory Signaling,  
E&M Type I Supervisory Signaling, or  
E&M Type II Supervisory Signaling

- For Interface Group 2

SF Supervisory Signaling, or  
Tandem Supervisory Signaling, or  
E&M Type III Supervisory Signaling

- For Interface Groups 6 through 10

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(a) Supervisory Signaling (Cont'd)

signaling is available only where the entry switch provides an analog, i.e., non digital, interface to the transport termination. These optional Supervisory Signaling Arrangements are not available in combination with the SS7 ordering option as specified in 6.1.3(B)(7)(d) following.

(b) Data Transmission Parameters

Where transmission facilities permit, the customer may order Data Transmission Parameters for each transmission in path in association with Interface Groups 1 through 10.

This feature provides the transmission parameters set forth in 6.4.2(A) and 6.4.2(B) following and is available in association with the standard transmission performances set forth in 6.4.1(A), 6.4.1(B) and 6.4.1(C) following.

This feature provides for trouble testing by the Telephone Company, either independently or cooperatively with the customer, of parameters normally associated with data transmission. The Telephone Company will, upon receipt of a trouble report from the customer, conduct tests, either independently or cooperatively

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(b) Data Transmission Parameters (Cont'd)

with the customer as appropriate and take any necessary action to ensure that the parameters set forth in 6.4.2(A) or 6.4.2(B) following are met. The testing will be charged for at the rates set forth in 13.3.5 (C)(1)(d) following for Nonscheduled Testing.

This feature is available to the first point of switching for Feature Group A and to the access tandem for Feature Groups B, C and D.

The number of Local Transport transmission paths provided is based on the customer's order and is determined by the Telephone Company as set forth in 6.5.5 following.

(c) Improved Return Loss

This feature provides Improved Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination. The specific parameters guaranteed are set forth in 6.4.3 following. This feature is available with all Feature Groups.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(d) Signaling System 7 (SS7)

- (i) This ordering option allows the customer to receive signals for call set-up out of band. This option is only available with Feature Group D. This option requires the establishment of a signaling connection between the customer's SPOI and the Telephone Company's STP.
- (ii) SS7 is provided in both the originating and terminating direction on FGD service.

Each signaling connection is provisioned for two-way transmission of SS7 signaling information.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(8) Chargeable Optional Features

(a) Common Channel Signaling Network Connection (CCSNC)

Common Channel Signaling Network Connection (CCSNC) provides a connection for transporting signaling information between the customer's Signaling Point of Interface (SPOI) and the Telephone Company's Signaling Transfer Point (STP). CCSNC is provided via a Signaling Network Access Link (SNAL) between the customer's SPOI and a port on the Telephone Company's STP dedicated to the customer.

The SNAL used for CCSNC is a flat rated Local Transport Switched Access Service and is not subject to usage rate categories as set forth in 6.1.3 preceding. The monthly rate for SNAL connection is by STP Band. The mileage measurement portion of the STP Band will be calculated on an airline mile basis, using V&H coordinates, between the customer designated premises serving wire center and the Telephone Company's STP serving wire center. The STP SNAL rate category is inclusive of the STP Band and applicable mileage measurement. STP ports must be ordered in mated pairs.

A SNAL must be ordered for each STP port dedicated to that customer. The customer will have the option of ordering a SNAL

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) Local Transport (Cont'd)

(8) Chargeable Optional Features (Cont'd)

(a) Common Channel Signaling Network Connection (CCSNC) (Cont'd)

provisioned over a dedicated facility solely for CCSNC (one SNAL per dedicated facility system), or a dedicated channel in a Telephone Company 1.544 Mbps provisioned facility between the customer's SPOI and the Telephone Company's STP. When the SNAL is provisioned on a Telephone Company provisioned 1.544 Mbps system, the Telephone Company may assign additional network signaling channels to that 1.544 facility. The recurring and nonrecurring charges for a SNAL are on a per link basis.

The STP Port is a monthly rated Local Transport Switched Access Service and is not subject to the usage rate categories as set forth in 6.1.3 preceding.

The monthly and nonrecurring charges for the SNAL and the STP Port are set forth in 6.8.4 following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) End Office

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching, Information Surcharge, Common Trunk Port, and Dedicated Trunk Port rate elements. (C)

(1) Local Switching

The Local Switching rate element provides for the use of end office switching equipment. The LS2 rate provides local dial switching for all Feature Groups. (C)

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC or FGD equipped end office.

Rates for LS2 are set forth in 6.8.3(A) following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

There are four types of local switching functions, i.e., Common Switching functions, Transport Termination functions, Line Termination functions, and Intercept functions. These are described in (a), (b), (c) and (d) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) End Office (Cont'd)

(1) Local Switching (Cont'd)

(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.2 following. Included as part of Common Switching are various nonchargeable optional features which the customer can order to meet the customer's specific communications requirements. These optional features are described in 6.3.1 following.

(b) Transport Termination

Transport Termination provides for the line or trunk side arrangements which terminate the Local Transport facilities. Included as part of Transport Termination are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.3.2 following.

The number of Transport Terminations provided will be determined by the Telephone Company as set forth in 6.5.6 following.

Until December 31, 1997, Transport Termination was provided as part of the Local Switching rate element. Effective January 1, 1998, Transport Termination is provided as the Common Trunk Port rate element or Dedicated Trunk Port rate element, as applicable.

(N)

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) End Office (Cont'd)

(1) Local Switching (Cont'd)

(c) Line Termination Function

The Local Switching rate element also provides the terminations for the end user lines terminating in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Line Terminations for use in connection with switched access service.

The special access line terminations for use in connection with switched access service are differentiated by line side vs. trunk side terminations. In addition, there are various types of originating and terminating line side terminations depending on the type of signaling associated with the special access line. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

(d) Intercept Function

The Local Switching rate element also provides for the termination of a call at a Telephone Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number. Intercept is provided as part of the Local Switching rate element.

(N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) End Office (Cont'd)

(D)

(D)

(2) Information Surcharge

(T)

The Information Surcharge is assessed to a customer based on the total number of access minutes. The information surcharge rates are set forth in 6.8.3(D) following. The application of these rates with respect to individual Feature Groups is as set forth in 6.7.1(D) following.

The number of end office switching transmission paths will be determined as set forth in 6.5.5 following.

(3) Common Trunk Port

(T)

The Common Trunk Port used by multiple customers provides for the termination of common transport trunks in common end office trunk ports in conjunction with tandem routed traffic. The Common Trunk Port rate is assessed on a usage sensitive basis on tandem routed switched access. The Common Trunk Port rate applies to all Local Switching minutes that are routed to or from the End Office on trunks common to multiple carriers. This includes minutes of use associated with FGA service when traffic is terminated in an end office that is not the dial tone office.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) End Office (Cont'd)

(4) Dedicated Trunk Port

The Dedicated Trunk Port provides for termination of direct facilities used by a single customer in an end office trunk port where traffic is transported between the serving wire center and the end office. This rate is assessed for all Feature Group services on a per DS1 or DS0 basis.

Dedicated End office Port is billed as originating and terminating based on a Percent Originating Usage (POU) factor of 50%

Originating Calculation = PIU x Originating Rate x Quantity x POU

Terminating Calculation = PIU x Terminating Rate x Quantity x (100-POU)

The Access Tandem Trunk Port is billed as a single rate element that does not distinguish between originating and terminating usage.

(N)

(N)

6.1.4 Special Facilities Routing

A customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11 following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.5 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the makeup of the facilities and services provided from the customer's premises to the first point of switching. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge and will be reissued or updated whenever these facilities are materially changed.

6.1.6 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Local Transport is provided with Interface Groups 2 through 10, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

6.1.7 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 5. preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Feature Groups

Switched Access Service is provided in four different Feature Group arrangements. The provision of each Feature Group requires Local Transport facilities and the appropriate End Office functions. In addition, special access lines may, at the option of the customer, be provided in connection with Feature Groups A, B, C, and D as set forth in 7.2.3 (A) following.

There are three specific transmission performances (i.e., Types A, B, and C) that have been identified for the provision of Feature Groups. The specific performance provided is dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission performances are set forth in 6.4.1 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from the customer designated premises to Telephone Exchange Service locations to the customer designated premises. Terminating calling permits the delivery of calls from the customer designated premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer specifies in its order that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

There are various nonchargeable optional features available with the Feature Groups. These additional optional features are provided as Local Transport, Common Switching or Transport Termination options.

Following are detailed descriptions of each of the available Feature Groups. Each Feature Group is described in terms of its specific physical characteristics and calling patterns, the transmission performances with which it is provided, the optional features available for use with it and the standard testing capabilities.

The Common Switching and Transport Termination optional features, which are described in 6.3 following, unless specifically stated otherwise, are available at all Telephone Company end office switches.

Pursuant to Memorandum Opinion and Order of the FCC, Paragraphs 6.2.1 through 6.2.4 contain material which may differ from material previously appearing in those paragraphs.

6.2.1 Feature Group A (FGA)

(A) Description

- (1) FGA is provided in connection with Telephone Company electronic and electromechanical end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

- (2) FGA provides a line side termination at the first point of switching. The line side termination will be provided with either ground start supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.
- (3) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) Cont'd)

(A) Description (Cont'd)

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.
- (6) No address signaling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) Cont'd

(A) Description (Cont'd)

(7) (Cont'd)

service provider, and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and, (3) other charges for use of a non Telephone Company service access by the FGA line in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

(8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

(9) FGA will be provisioned over an Entrance Facility from the customer's premises to the customer's serving wire center. A DSO (N) level dedicated port charge shall apply at the first point of switching.

(N)

FGA service, when used in the originating direction, will be provisioned as Direct Trunked Transport from the first point of switching (i.e., the end office switch where FGA switching dial tone is provided) to the customer's serving wire center.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(9) (Cont'd)

FGA service, when used in the terminating direction, will be provisioned as Direct-Trunked Transport from the customer's serving wire center to the first point of switching and provisioned as Tandem Switched Transport from the first point of switching to the terminating end office.

(B) Optional Features

(1) Common Switching Optional Features

- (a) Hunt Group Arrangement
- (b) Uniform Call Distribution Arrangement
- (c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- (d) Call Denial
- (e) Service Code Denial
- (f) Band Advance Arrangement for use with special access lines
- (g) End Office End User Line Service Screening for use with special access lines
- (h) Hunt Group Arrangement for use with special access lines
- (i) Uniform Call Distribution Arrangement for use with special access lines (available only at Telephone Company electronic end offices)
- (j) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with special access lines (Available only at Telephone Company electronic end offices).

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

(2) Transport Termination Optional Features

- (a) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (b) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (c) Two-way operating with dual tone multifrequency address signaling and loop start supervisory signaling.
- (d) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (e) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (f) Terminating operation with dial pulse address signaling and ground start supervisory signaling
- (g) Terminating operation with dial tone multifrequency address signaling and loop start supervisory signaling
- (h) Termination operation with dial tone multifrequency address signaling and ground start supervisory signaling
- (i) Originating operation with loop start supervisory signaling
- (j) Originating operation with ground start supervisory signaling

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

(3) Local Transport Optional Features

- (a) Supervisory Signaling (as set forth in 6.1.3(B)(7)(a) preceding).
- (b) Data Transmission Parameters
- (c) Improved Return Loss

(4) Certain other features which may be available in connection with Feature Group A are provided under the Telephone Company's local and/or general exchange service tariffs. These are:

- (a) Speed Calling
- (b) Remote Call Forwarding

(C) Transmission Specifications

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 6. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service. Additional Cooperative Acceptance Testing and Nonscheduled Testing will be provided as set forth in 13.3.5 following.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB)

(A) Description

- (1) FGB, which is provided via Telephone Company designated electronic access tandem switches, is provided at Telephone Company electronic and electromechanical end office switches.
- (2) FGB is provided as trunk side switching through the use of access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

- (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-10XX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company, excluding 800 and 900 Access Service that utilizes FGB. No access code is required for FGB Switching used to provide 800 or 900 Access Service. The telephone number dialed by the customer's end users is in the form 1+800+NXX+XXXX or 1+900+NXX+XXXX.
- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customer services (by dialing the appropriate digits). When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(A) Description (Cont'd)

## (5) (Cont'd)

The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), Directory Assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 10XXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B or C.

(6) The Telephone Company will establish a trunk group or groups for the customer at the access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(7) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(B) Optional Features

(1) Common Switching Optional Features

- (a) Up to 7 Digit Outpulsing of Access Digits to customer
- (b) Band Advance Arrangement for use with special access lines
- (c) End Office End User Line Service Screening for use with special access lines
- (d) Hunt Group Arrangement for use with special access lines
- (e) Uniform Call Distribution Arrangement for use with special access lines (Available only at Telephone Company electronic end offices)
- (f) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with special access lines (Available only at Telephone Company electronic end offices).

(2) Transport Termination Optional Features

- Rotary Dial Station Signaling

(3) Local Transport Optional Features

- Customer Specification of Local Transport Termination

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.2 Feature Group B (FGB) (Cont'd)

(C) Transmission Specifications

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 6. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

(D) Testing Capabilities

FGB is provided in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. These tests are in addition to the tests described in 6.1.6 preceding which are included with the installation of service. Additional Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing will be provided as set forth in Section 13.3.5 following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC)

(A) Description

(1) FGC is provided at all Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS <sup>1</sup>) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. (C)

(2) FGC is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with answer and disconnect supervisory signaling. Wink start start-pulsing signals are provided in all offices where available, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

(3) FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse or immediate dial pulse, whichever is available. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such called party number signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

- (4) No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.
- (5) FGC switching when used in the terminating direction, may be used to access valid NSSs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information provided, and other customer's services (by dialing the appropriate codes) when the services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be accessed. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 974 (DIAL-IT) Network Services. Additionally, non-access charges will also be billed for calls connecting to a non-Telephone

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(A) Description (Cont'd)

(5) (Cont'd)

Company performs the billing function for that customer. Calls in the terminating direction will not be provided to 950-1XXX access codes, local operator assistance (0-), directory assistance service codes and 10XXX access codes. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required for technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(B) Optional Features

(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address signalings
- (d) Immediate Dial Pulse Address Signaling
- (e) Alternate Traffic Routing
- (f) Trunk Access Limitation

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (Cont'd)

(1) (Cont'd)

- (g) End Office End User Line Service Screening for use with special access lines used in connection with switched access service (available only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available).
- (h) Hunt Group Arrangement for use with special access lines used in connection with switched access service.
- (i) Nonhunting number for use with Hunt Group Arrangement of Uniform Call Distribution Arrangement for use with special access lines used in connection with switched access service (available only at Telephone Company electronic end offices that are equipped to provide such access service).
- (j) Uniform Call Distribution Arrangement for use with special access lines (available only at Telephone Company electronic end offices that are equipped to provide such access services).
- (k) Band Advance Arrangement for use with special access lines used in connection with switched access service.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(B) Optional Features (Cont'd)

(2) Transport Termination Optional Features

Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and Non-Coin. (Non-Coin Trunks are provided at Telephone Company electronic and electromechanical end offices. Coin and Combined Coin and Non-Coin are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available).

(3) Local Transport Optional Features

- Supervisory Signaling (as set forth in 6.1.3(B)(7)(a) preceding).

(C) Transmission Specifications

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.3 Feature Group C (FGC) (Cont'd)

(C) Transmission Specifications (Cont'd)

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(D) Testing Capabilities

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, non-optional Automatic Scheduled Testing, Cooperative Scheduled Testing or Manual Scheduled Testing, and Non-Scheduled Testing will be provided as set forth in Section 13.3.5 following for FGC.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD)

(A) Description

- (1) FGD is provided at Telephone Company designated electronic office switches whether routed directly or via Telephone Company designated electronic access tandem switches.

For Feature Group D with SS7, the SS7 option is provided where conditions permit through Telephone Company designated switches.

- (2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling, or without signaling when the SS7 optional feature is specified.
- (3) FGD switching is provided with multifrequency address or SS7 signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (4) FGD switching, when used in the terminating direction, may be used to access valid NXX's in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When routed through an access tandem, only those valid NXX codes served by end offices subtending the

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

## (4) (Cont'd)

access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 974 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls connecting to a non-Telephone Company service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-1XXX access codes. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C, or D.

(5) The Telephone Company will establish a trunk group or groups for the customer at access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(6) The access code for FGD switching is a uniform access code of the form 10XXX. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(A) Description (Cont'd)

(6) (Cont'd)

customer, as set forth in Section 13 following. When no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a five to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1+ NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD) 01 + CC + NN or 011 + CC + NN.

When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the customer's premises.

- (7) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 10XXX uniform access code. Each telephone exchange service line may be marked with a presubscription code to identify which 10XXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 13. following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(B) Optional Features

(1) Common Switching Optional Feature

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Alternate Traffic Routing
- (d) Call Gapping Arrangement
- (e) Trunk Access Limitation
- (f) International Carrier Option (available only at Telephone end office or access tandem switches equipped for International Direct Distance Dialing)
- (g) End Office End User Line Service Screening for use with special access lines used in connection with switched access service
- (h) Hunt Group Arrangement for use with special access lines used in connection with switched access service
- (i) Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for use with special access lines used in connection with switched access service
- (j) Uniform Call Distribution Arrangement for use with special access lines used in connection with switched access service
- (k) Band Advance Arrangement for use with special access line used in connection with switched access service
- (l) Calling Party Number\*
- (m) Carrier Selection Parameter\*\*
- (n) Clear Channel Capability

\* Available only on originating FGD.

\*\* Available only at selected telephone switches.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(B) Optional Features (Cont'd)

(2) Transport Termination Optional Features

(a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Optional Features

(a) CCS (as set forth in 6.1.3(B)(7)(d) preceding

(b) Supervisory Signaling (as set forth in 6.1.3(B)(7)(a) preceding)

(C) Transmission Specifications

FGD is provided with Type A Transmission Specifications. Type A is provided on the transmission path from the access tandem to the end office.

Type A Transmission Specification is provided with Interface Groups 2 through 10.

Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office.

(D) Testing Capabilities

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)

6.2.4 Feature Group D (FGD) (Cont'd)

(D) Testing Capabilities (Cont'd)

(105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service additional Cooperative Acceptance Testing, non-optional Automatic Scheduled Testing, Cooperative Scheduled Testing, Manual Scheduled Testing, and Non-Scheduled Testing will be provided for FGD as set forth in Section 13.3.5 following.

(E) When Feature Group D with the SS7 option is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer at locations, dates, and times as specified by the Telephone Company in consultation with the customer. These tests are specified in Technical Publication TR-TSV-000905 issued July 1989, and successful completion is necessary to receive the SS7 option. To protect the security of the SS7 network, certain information provided, i.e. point codes, by the Telephone Company to the customer will be subject to a nondisclosure agreement.

6.3 Common Switching and Transport Termination Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups. They are provided as either Common Switching or Transport Termination options.

6.3.1 Common Switching Nonchargeable Optional Features

(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for the completion only of calls to a specified set of NXXs within the Telephone Company local exchange

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(A) Call Denial on Line or Hunt Group (Cont'd)

calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement. This feature may be provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A.

(B) Service Code Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0-, and N11. This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

(C) Hunt Group Arrangement

This option provides the ability to access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A. Feature Group A access services with different methods of providing off-hook supervisory signaling, i.e., provided by a customer's equipment when the called party answers, cannot be mixed in the same hunt group arrangements.

(D) Uniform Call Distribution Arrangement

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available lines in a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. It is available with Feature Group A.

(F) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven or ten digit number and information digits to the customer's premises for calls originating in the LATA, to identify the calling station. The ANI feature, which is a software function, will be associated on a call-by-call basis with (1) all individual transmission paths in a trunk group routed directly between an end office and a customer premises or, where technically feasible, with (2) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer designated premises.

The seven digit ANI telephone number is available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided by alternate means. ANI will be transmitted on all calls except those originating from coin stations, multiparty lines, and coinless pay telephones using Feature Group B, or when an ANI failure has occurred.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

With Feature Group C, ANI is provided from end offices where Telephone Company recording for end user billing is not provided, or where it is not required, as with 800 service. It is not provided from end offices for which Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from 4 and 8 party service, information digits will be provided to the customer.

The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a 4-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) coinless station, hospital, inmate, etc. call which requires special screening or handling by the IC,

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(F) Automatic Number Identification (ANI) (Cont'd)

and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party.

These ANI information digits generally are available with Feature Groups B, C, and D.

Additional ANI information digits are available with Feature Group D only. They include:

- (1) InterLATA restricted - telephone number is identified line
- (2) InterLATA restricted - hotel/motel line
- (3) InterLATA restricted - coinless, hospital, inmate, etc., line

These information digits will be transmitted as agreed to by the customer and the Telephone Company.

(G) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-10XX) to the customer premises. The customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the customer premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(H) Reserved for Future Use

(I) Delay Dial Start-Pulsing Signaling

This option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook interval and start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(J) Immediate Dial Pulse Address Signaling

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a star-pulsing signal from the customer. It is available with Feature Group C.

(K) Dial Pulse Address Signaling

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(L) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+ or 011+). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(M) Alternate Traffic Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to the same or a second customer designated premises. The customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(N) Reserved for Future Use

(O) Reserved for Future Use

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(P) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the customer (i.e., the Telephone Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 10XXX dialing). This arrangement requires provision of written verification to the Telephone Company that the customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the customer to order the option on behalf of the international carrier. This option is only provided at the Telephone Company end offices or access tandems equipped for International Direct Distance Dialing. It is available with Feature Group D.

(Q) Reserved for Future Use

(R) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services<sup>1</sup> - Grandfathered

(C)

This option, which is provided in association with two or more special access line groups used in connection with switched access service, provides for the automatic overflow of terminating calls to a second special access service group, when that has exceeded its call capacity to another special access line group with a band designation equal to or greater than that of the overflowing special access line group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups A, B, C and D.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)

(N)

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(S) End Office End User Line Service Screening for Use with Special Access Lines

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX) which is in accordance with that end user's service agreement with the customer. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices, in which special access lines are provided for use in connection with switched access service. It is available with Feature Groups A, B, C, and D.

(T) Hunt Group Arrangement for Use with Special Access Lines in Connection with Switched Access Service

This option provides the ability to sequentially access one of two or more special access lines used in connection with switched access service (e.g., 800 Service access lines) in the terminating direction, when the hunting number of the special access line service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company end offices that offer special access service. It is available with Feature Groups A, B, C and D.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(U) Uniform Call Distribution Arrangement for Use with Special Access Lines Used in Connection with Switched Access Service

This option provides a type of multiline hunting arrangement which provides for an even distribution of calls among the available special access lines used in connection with switched access service in the hunt group. Where available, this feature is only provided in Telephone Company electronic end offices in which special access lines are available for use in connection with switched access service. It is available with Feature Groups A, B, C and D.

(V) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Lines Used in Connection with Switched Access Service

This option provides an arrangement for an individual Special Access Service used in connection with switched access service within a multiline hunt or uniform call distribution group that provides access to an individual special access line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in the Telephone Company electronic end offices in which special access lines are available for use in connection with switched access service. It is available with Feature Groups A, B, C and D.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(W) Calling Party Number (CPN)

This option provides for the automatic transmission of the calling party's ten-digit telephone number for calls originating in the LATA. The ten-digit telephone number consists of the NPA plus the seven-digit telephone number, which may or may not be the same as the calling stations charge number. The specific protocol for CPN is contained in Technical Reference TR-TSV-000905. This feature is available only with Feature Group D when SS7 is specified.

The Telephone Company will transmit a "privacy indicator" as part of the CPN information in those jurisdictions where end users may elect their CPN information not be passed to the called party, and where an end user has taken the actions necessary to ensure that their CPN is so blocked.

(X) Carrier Selection Parameter (CSP)\*

This option provides for the automatic transmission of a signaling indicator which signifies to the customer whether the call being processed originated from a presubscribed end user of that customer. The specific protocol for CSP is contained in Technical Reference TR-TSV-000905. This feature is available only with originating Feature Group D when SS7 is specified.

(Y) 64 Clear Channel Capability

This option provides the customer with an increase in usable bandwidth from 56 Kbps to 64 Kbps per trunk data stream across the network. Clear Channel Capability is provided only on a 1.544 Mbps facility, and requires the customer signal at the channel interface to conform to Bipolar with eight zero substitution (B8ZS) line code format.

This feature is provided with SS7 Signaling and is available where technically feasible and facilities permit. These locations are specified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

\*CSP is available only at selected Telephone Company switches.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.1 Common Switching Nonchargeable Optional Features (Cont'd)

(Y) 64 Clear Channel Capability (Cont'd)

Customers ordering 64 Clear Channel Capability on an existing FGD trunk will be assessed a nonrecurring charge set forth in Section 7.5.9(D)(4), following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.2 Transport Termination Nonchargeable Optional Features

(A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer designated premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

1. Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+, 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the service class routing option.

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.2 Transport Termination Nonchargeable Optional Features (Cont'd)

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin  
(Cont'd)

2. Non-Coin

This arrangement provides for the routing of 0+, 0-, 01+, 011+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the service class routing option.

The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.2 Transport Termination Nonchargeable Optional Features (Cont'd)

(B) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

3. Combined Coin and Non-Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the service class routing option.

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.2 Transport Termination Nonchargeable Optional Features (Cont'd)

(C) Operator Trunk - Full Feature

This option provides the initial coin return control function to the customer's operator. It is available with Feature Group D and is provided as a trunk type for Transport Termination.

This option is not available in combination with SS7 Ordering Option.

6.3.3 Common Switching Chargeable Optional Features

(A) Switched Digital Service (SDS) Switching Capability

This option allows for a connection between the customer's premises and an end office that is equipped to transmit digital data at a speed of 56 kilobits per second over the switched network. This option is available only for use in conjunction with Feature Group D switched access service and is provided only from end offices designated as SDS offices by the Telephone Company.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.3 Common Switching Chargeable Optional Features (Cont'd)

(A) Switched Digital Service (SDS) Switching Capability (Cont'd)

Eligible offices are in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4. A customer ordering this option must have equipment at its premises which is capable of interconnecting with a local loop that has been equipped to provide this high speed service from a designated end office.

Non-recurring Installation (per connected end user)	\$0.00
--	--------

Rate per Access Minute	\$0.00
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6.3.4 Transport Termination Chargeable Optional Features

(A) Common Channel Signaling Network Connection (CCSNC) Service

(1) General

The Telephone Company Common Channel Signaling Network (CCSN) is a digital data network carrying signaling information that interfaces with the Telephone Company voice/data network for services using CCSS7 signaling protocol.

Common Channel Signaling Network Connection (CCSNC) provides the connection for transporting signaling information between the customer's Signaling Point Of Interface (SPOI) and the Telephone Company's Signaling Transfer Point (STP).

(2) Service Description

Common Channel Signaling Network Connection is provisioned for two-way transmission of out band signaling information. Transmission specifications, diversity requirements and testing parameters are set

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.3 Common Switching and Transport Termination Optional Features (Cont'd)

6.3.4 Transport Termination Chargeable Optional Features (Cont'd)

(A) Common Channel Signaling Network Connection (CCSNC) Service (Cont'd)

(2) Service Description (Cont'd)

forth in Technical Reference TR-TSV-000904 and TR-TSV-000954.

CCSNC is provided via a Signaling Network Access Link (SNAL) between the customer's Signaling Point of Interface (SPOI) and a customer dedicated port on the Telephone Company's Signaling Transfer Point (STP).

The SNAL is a dedicated 56 Kbps out-of-band signaling connection between the customers SPOI and the STP port on the Telephone Company's STP. The SNAL is provisioned in a 1.544 Kbps facility and multiplexed to a DSOA format for termination on a customer dedicated port on the Telephone Company's STP.

The STP port provides the point of termination to the signal switching capability of the STP.

- (3) When a customer orders CCSNC the customer must specify the type of connection required, the number of SNAL(s) and STP ports required between the customer's SPOI and the Telephone Company's STP location per access order. Service must be ordered in mated pairs.

6.3.5 Carrier Identification Parameter (CIP)

This feature provides for the transmission of Carrier Identification Code (CIC) information to customers on originating Feature Group D switched access service. CIP is available from suitably equipped end offices and access tandems, when the SS7 signaling option is specified. When CIP is provided, the switch will transmit to the customer premises the 4 digit CIC of the presubscribed line or the CIC selected when the end user places a call using 101XXXX dialing. CIP is available on an originating basis as a chargeable optional feature with originating or two way Feature Group D trunk groups.

Rates for CIP are set forth in Section 6.8.

(N)

(N)

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or routed via an access tandem. The available transmission specifications are set forth in 6.4.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters set forth in 6.4.2(A), 6.4.2(B), or 6.4.2(C) are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The transmission specifications contained in this Section are immediate action limits. Acceptance limits are set forth in Technical Reference PUB 62500. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits. Transmission specifications for SS7 Signaling connections are set forth in Bellcore Technical Reference TR-TSV-000905.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff. Service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

6.4.1 Standard Transmission Specifications

Following are descriptions of the three Standard Transmission Specifications available with Switched Access Service Feature Groups and the two Standard Transmission Specifications for WATS <sup>1</sup> Access Lines. The specific applications in terms of the Feature Groups and Interface Groups with which the Feature Group Standard Transmission Specifications are provided are set forth in 6.2.1(C), 6.2.2(C), 6.2.3(C) and 6.2.4(C) preceding. (C)

(A) Type A Transmission Specifications

Type A Transmission Specifications is provided with the following parameters:

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)  
(N)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 2.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -1.0 dB to +3.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	32 dBrnCO
51 to 100	34 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBmO holding tone, is less than or equal to 45 dBrnCO.

(5) Echo Control

Echo Control, identified as Equal Level Echo Path Loss, and expressed as Echo Return Loss and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(A) Type A Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	21 dB	14 dB
POT to End Office		
- Direct	N/A	N/A
- Via Access Tandem	16 dB	11 dB

(6) Standard Return Loss

Standard Return Loss expressed as Echo Return Loss and Singing Return Loss on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(B) Type B Transmission Specifications

Type B Transmission Specifications are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 2.5 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +4.0 dB.

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B2</u>	<u>Type B1</u>
Less than 50	35 dBrnCO	32 dBrnCO
51 to 100	37 dBrnCO	33 dBrnCO

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dBrnCO.

(5) Echo Control

Echo Control, identified as Impedance Balance for FGA and FGB and Equal Level Echo Path Loss for FGC and FGD and expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. The ERL and SRL also differ by Feature Group, type of termination, and type of transmission path. They are greater than or equal to the following:

\* For Feature Group C and D only Type B2 will be provided. For Feature Groups A and B, Type B1 will be provided where suitable Telephone Company facilities are available.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(5) Echo Control (Cont'd)

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem		
- Terminated in		
4-Wire trunk	21 dB	14 dB
- Terminated in		
2-Wire trunk	16 dB	11 dB
POT to End Office		
- Direct	16 dB	11 dB
- Via Access Tandem		
• For FGB access	8 dB	4 dB
• For FGC access (Effective 4-wire trans- mission path at end office)	16 dB	11 dB
• For FGC access (Effective 2-Wire trans- mission path at end office)	13 dB	6 dB

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(B) Type B Transmission Specifications (Cont'd)

(6) Standard Return Loss

Standard Return Loss, expressed as Echo Return Loss and Singing Return Loss, on two-wire ports of a four-wire point of termination shall be equal to or greater than:

<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
5 dB	2.5 dB

(C) Type C Transmission Specifications

Transmission Specifications Type C are provided with the following parameters:

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 3.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +5.5 dB.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than or equal to:

<u>Route Miles</u>	<u>C-Message Noise*</u>	
	<u>Type B2</u>	<u>Type B1</u>
Less than 50	32 dBrnCO	38 dBrnCO
51 to 100	33 dBrnCO	39 dBrnCO
101 to 200	35 dBrnCO	41 dBrnCO
201 to 400	37 dBrnCO	43 dBrnCO
401 to 1000	39 dBrnCO	45 dBrnCO

\*For Feature Group C and D only type C2 will be provided. For Feature Groups A and B, Type C1 or C2 will be provided as set forth in Technical Reference PUB 62500.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(C) Type C Transmission Specifications (Cont'd)

(4) C-Notch Noise

The maximum C-Notch Noise, utilizing a -16 dBm0 holding tone is less than or equal to 47 dB<sub>BrnCO</sub>.

(5) Echo Control

Echo Control, identified as Return Loss and expressed as Echo Return Loss and expressed as Echo Return Loss and Singing Return Loss is dependent on the routing, i.e., whether the service is routed directly from the customer's point of termination (POT) to the end office or via an access tandem. It is equal to or greater than the following:

	<u>Echo Return Loss</u>	<u>Singing Return Loss</u>
POT to Access Tandem	13 dB	6 dB
Pot to End Office		
- Direct	13 dB	6 dB
- Via Access Tandem (for FGB only)	8 dB	4 dB

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(D) Standard Transmission Specifications for Special Access Lines Used In Connection with Switched Access Service

(1) Standard Two-Wire Voice Transmission Specifications

(a) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is + 4.0 db.

(b) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to the loss at 1004 Hz is -3.0 db to +9.0 db.

(c) C-Message Noise

The maximum C-message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-message Noise</u>
Less than 50	35 dBmCO
51 to 100	37 dBmCO
101 to 200	40 dBmCO
201 to 400	43 dBmCO
401 to 1000	45 dBmCO

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(D) Standard Transmission Specifications for Special Access Lines Used In Connection with Switched Access Service (Cont'd)

(1) Standard Two-Wire Voice Transmission Specifications (Cont'd)

(d) Echo Control

Return Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	6.0dB
SRL	3.0dB

(2) Standard Four-Wire Voice Transmission Specifications

(a) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -3.0 dB to +3.0 dB.

(b) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004 Hz is -1.0 dB to +4.5 dB.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.1 Standard Transmission Specifications (Cont'd)

(D) Standard Transmission Specifications for Special Access Lines Used In Connection with Switched Access Service (Cont'd)

(2) Standard Four-Wire Voice Transmission Specifications (Cont'd)

(c) C-Message Noise

The Maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
Less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(d) Echo Control

The Equal Level Echo Path Loss for both Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	15.0 dB
SRL	9.0 dB

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters

Two types of Data Transmission Parameters, i.e., Type DA and Type DB, are provided for the Feature Group arrangements. The specific applications in terms of the Feature Groups with which they are provided are set forth in 6.2.1(C), 6.2.2(C), and 6.2.3(C) preceding. In addition, a special access line used in connection with switched access service is provided with Data Transmission Parameters. Following are descriptions of each.

(A) Data Transmission Parameters - Type DA

(1) Signal to C-Notched Noise Ratio

The Signal to C-Notched Noise Ratio is less than or equal to 33 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

Less than 50 route miles	500 microseconds
Equal to or greater than 50 route miles	900 microseconds

1004 to 2404 Hz

Less than 50 route miles	200 microseconds
Equal to or greater than 50 route miles	400 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 65 dB<sub>rnCO</sub> threshold in 15 minutes is no more than 15 counts.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(A) Data Transmission Parameters - Type DA (Cont'd)

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	33 dB
Third Order (R3)	37 dB

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 5 degrees peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(B) Data Transmission Parameters - Type DB

(1) Signal to C-Notched Noise Ratio

The signal to C-Notched Noise Ratio is greater than or equal to 30 dB.

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters - Type DB (Cont'd)

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands and route miles specified is:

604 to 2804 Hz

Less than 50 route miles	800 microseconds
Equal to or greater than 50 route miles	1000 microseconds

1004 to 2404 Hz

Less than 50 route miles	320 microseconds
Equal to or greater than 50 route miles	500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dB<sub>rnc</sub>CO threshold in 15 minutes is no more than 15 counts.

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

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6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(B) Data Transmission Parameters - Type DB (Cont'd)

(5) Phase Jitter

The Phase Jitter over the 4-300 Hz frequency band is less than or equal to 7 degrees peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

(C) Data Transmission Parameters for Special Access Lines Used In Connection with Switched Access Service

(1) Signal to C-Notched Noise Ratio

The maximum Signal-to-C-Notched Noise Ratio is 30 dB.

(2) Envelope Delay Distortion

The maximum Envelope Delay Distortion for the frequency bands specified is:

604 to 2804 Hz	1000 microseconds
1000 to 2804 Hz	500 microseconds

(3) Impulse Noise Counts

The Impulse Noise Counts exceeding a 67 dbrnCO threshold in 15 minutes is no more than 15 counts.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.2 Data Transmission Parameters (Cont'd)

(C) Data Transmission Parameters for Special Access Lines Used in Connection with Switched Access Service (Cont'd)

(4) Intermodulation Distortion

The Second Order (R2) and Third Order (R3) Intermodulation Distortion products are equal to or greater than:

Second Order (R2)	31 dB
Third Order (R3)	34 dB

(5) Phase Jitter

The Phase Jitter over the 4 to 300 Hz frequency band is less than or equal to 7 degrees peak-to-peak.

(6) Frequency Shift

The maximum Frequency Shift does not exceed -2 to +2 Hz.

6.4.3 Special Access Lines Used in Connection with Switched Access Service

(A) Improved Two-Wire Voice Transmission Specifications

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0dB to +4.0dB.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Transmission Specifications (Cont'd)

6.4.3 Special Access Lines Used in Connection with Switched Access Service (Cont'd)

(A) Improved Two-Wire Voice Transmission Specifications (Cont'd)

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 2804 Hz frequency band relative to loss at 1004Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

Route Miles	C-Message Noise
Less than 50	35 dBrnCO
51 to 100	37 dBrnCO
101 to 200	40 dBrnCO
201 to 400	43 dBrnCO
401 to 1000	45 dBrnCO

(4) Return Loss

The Return Loss, express as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	3.0 dB
SRL	6.0 dB

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6. Switched Access Service (Cont'd)

6.5 Obligation of the Telephone Company

In addition to the obligations of the Telephone Company set forth in Section 2. preceding, the Telephone Company has certain other obligations pertaining only to the provision of Switched Access Service. These obligations are as follows:

6.5.1 Network Management

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in Section 2.4.4(B)(3) preceding.

6.5.2 Design and Traffic Routing of Switched Access Service

For Feature Groups C and D, the Telephone Company shall design and determine the routing of Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only,

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**6. Switched Access Service (Cont'd)6.5 Obligation of the Telephone Company (Cont'd)6.5.2 Design and Traffic Routing of Switched Access Service (Cont'd)

terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four wire trunk terminating equipment. Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires different routing or directionality than that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service.

6.5.3 Provision of Service Performance Data

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines, may be made available to the customer based on previously arranged intervals and format. These data provide information on overall end-to-end call completion and non-completion performance e.g., customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

6.5.4 Trunk Group Measurement Reports

Subject to availability, the Telephone Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer at previously agreed upon intervals.

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6. Switched Access Service (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.5 Determination of Number of Transmission Paths

The following applies to Switched Access Voice Transmission paths and does not apply to Signaling connections provided with the SS7 option. The number of transmission paths for SS7 Signaling connections will be determined jointly by the Telephone Company and the customer.

The number of transmission paths available is limited by the type and quantity of entrance facilities, direct trunked transport, dedicated end office ports, and tandem ports ordered by the customer. Subject to these limits, the Telephone Company will work cooperatively with the customer to determine the number of transmission paths. (C)

6.5.6 Design Blocking Probability

The Telephone Company will design the facilities used in the provision of Switched Access Service to meet the blocking probability criteria as set forth in (A) through and (D) following. (C)

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6. Switched Access Service (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability (Cont'd)

- (A) For all Feature Group A and for Feature Group B not used to provision 800 or 900 Access Service, no design blocking criteria apply. For Feature Group B used to provision 800 or 900 Access Services, the design blocking objective will be no greater than one percent (.01)\* between the point of termination at the customer's premises and the Telephone Company office at which the customer identification is performed.
- (B) For Feature Group C and 800 or 900 Access Service provided in an end office not equipped with equal access capabilities, the design blocking objective will be no greater than one percent (.01)\* between the point of termination at the customer premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (C) For Feature Group D and 800 or 900 Access Service provided in an end office equipped with equal access capabilities, the design blocking objective will be no greater than one percent (.01)\* between the point of termination at the customer's premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths requested to achieve this level of blocking.

\* In the event of 900 Access Service media stimulated calling, the design blocking objective of no greater than one percent (.01) will not be guaranteed.

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6. Switched Access Service (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability (Cont'd)

(D) The Telephone Company will perform routine measurement functions except, on Feature Groups A and B, to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

(1) For transmission paths carrying only first routed traffic direct between an end office and customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	<u>15-20 Measurements</u>	<u>11-14 Measurements</u>	<u>7-10 Measurements</u>	<u>3-6 Measurements</u>
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7-336	.030	.035	.040	.060
337-504	.025	.030	.035	.055
505 or more	.020	.025	.030	.050

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6. Switched Access Service (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.6 Design Blocking Probability (Cont'd)

(D) (Cont'd)

(2) For transmission paths carrying first routed traffic between an end office and customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	<u>15-20 Measurements</u>	<u>11-14 Measurements</u>	<u>7-10 Measurements</u>	<u>3-6 Measurements</u>
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7-336	.020	.025	.030	.040
337-504	.015	.020	.025	.035
505 or more	.010	.015	.020	.030

6.6 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.1 Report Requirements

Customers are responsible for providing the following reports to the Telephone Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.14 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.15 preceding.

(B) Reserved for Future Use

(C) Code Screening Reports

When a customer orders service class routing, trunk access limitation or call gapping arrangements, it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

The Telephone Company will administer its network in such a manner that the impact of traffic surges due to peaked 900 Access Service traffic on other access service traffic is minimized. Network management controls as defined in Section 6.5.1 may be implemented at the Telephone Company option to ensure acceptable service levels.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Customer (Cont'd)

6.6.2 On and Off-Hook Supervision

The customer facilities shall provide the necessary on and off-hook supervision.

6.6.3 Trunk Group Measurement Reports

With the agreement of the customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.6.4 Forecast Report

The customer shall furnish at the time CCSNC service is ordered and annually thereafter, an updated three-year forecast of SNAL and access port requirements, as well as usage for the STP port. The forecast shall include total annual volume and busy hour month volume. The forecast should be itemized by message type. This forecast will be utilized by the Telephone Company to project future facility requirements. The updated forecast shall be provided to the Telephone Company during the month of January each year.

6.7 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

6.7.1 Description and Application of Rates and Charges

There are two types of rates and charges that apply to Switched Access Service. These are usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.7.1 Description and Application of Rates and Charges (Cont'd)(A) Monthly Rates(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per access minute basis. Access minute charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one time charges that apply for a specific work activity (e.g., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service and service rearrangements.

(1) Nonrecurring charges apply to each Switched Access Service installed. For FGA and FGB, which are ordered on a per line or trunk basis respectively, the charge is applied per line or trunk. For FGC and FGD, which are ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation of an additional trunk(s). Nonrecurring charges also apply for the installation of 800 or 900 Access Service and for the addition of each NXX code beyond the initial code. These charges apply on a LATA-wide basis and are set forth in Section 6.8.5 following.

(2) Service Rearrangements

All changes to existing services, other than changes involving administrative activities only, will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

charge described in (1) preceding will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in 6.7.7 following.

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of end user contact name or telephone number,
- Change of implementation contact name or telephone number, and
- Change of design contact name or telephone number.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

Subsequent to the initial installation of 800 or 900 Access Service, any addition or deletion of an 800 or 900 Access Service NXX will be charged for as set forth following in Section 6.8.5.

(D) Application of Rates

Rates are applied either as premium rates or transitional rates. Transitional rates are discounted access minute rates for measured or assumed access minutes.

The specific application of these rates for a specific customer is dependent upon the Feature Group and the availability of equal access capabilities in the end office to when the service is provided.

The following rules provide the basis for applying the rates and charges.

- Premium rates apply to all FGC access minutes when the service is provided to customers who furnish interstate MTS/WATS <sup>1</sup>, and to all access minutes, including 800 or 900 Access Service, that originate or terminate at end offices equipped for equal access (i.e., FGD) capabilities and to Direct Transport Service. In addition, premium rates apply to FGB access minutes when utilized in the provision of MTS/WATS <sup>1</sup> service. (C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)

**FROTNIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

- Transitional usage rates (i.e., discounted access minute rates) apply to all access minutes (measured or assumed) generated by FGA, FGB, and 800 or 900 Access Services from or to an end office which is not equipped with equal access capabilities.

The Telephone Company will provide written notification to all access customers of record within a particular LATA that an end office in that LATA is scheduled to be converted to an equal access end office. This notification will be sent, via certified US Mail, to each customer of record in the LATA where the conversion is scheduled to occur, at least six months in advance of the conversion date. Specific provision covering the equal access program are set forth in Section 13.3.3.

- (1) The customer will have the choice of converting existing services to equal access (i.e., Feature Group D) at no charge or retaining the existing services. Premium rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.
- (2) The number of access minutes to be rated as premium access minutes is determined as follows:

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description and Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(2) (Cont'd)

- (a) Where end office specific usage data is available, premium rates apply to the measured access minutes originating from or terminating at the equal access end offices(s).
- (b) Where end office specific usage data is not available for originating and/or terminating FGA, the total originating usage will be measured or assumed usage at the entry switch as set forth in 6.7.8 following. FGA originating usage will then be apportioned between premium and non-premium access minutes in the following manner. After, develop in ratio of the number of subscriber lines in the LATA that are served by equal access end offices to the total number of subscriber lines in the LATA. Then apply this ratio to the total number of originating FGA access minutes to determine the usage to be billed at premium rates, unless adjusted as set forth in (e) following. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone company under its local and/or general exchange service tariff.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description of Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(2) (Cont'd)

- (c) Where end office specific usage data is not available for terminating FGA, the total terminating usage will be measured or assumed usage at the entry switch as set forth in 6.7.8 following. FGA terminating usage will then be apportioned between premium and non-premium access minutes in the following manner. After, develop in ratio of the number of subscriber lines provided in the LATA that are served by equal access end offices to the total number of subscriber lines in the LATA, apply this ratio to the total number of terminating FGA access minutes to determine the usage to be billed at premium rates, unless adjusted as set forth in (e) following. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its local and/or general exchange tariff.
- (d) Where end office specific usage data is not available for originating and/or terminating FGB, the total originating and/or terminating usage will be measured at the entry switch (i.e., access tandem). FGB originating and/or terminating usage will then be apportioned

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description of Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(2) (Cont'd)

(d) (Cont'd)

between premium and non-premium access minutes in the following manner. After, develop in ratio of the number of subscriber lines provided to end offices subtending the Access tandem that are served by equal access end offices to the total number of subscriber lines in all end offices subtending the access tandem, apply this ratio to the total number of originating and/or terminating FGB access minutes to determine the usage to be billed at premium rates, unless adjusted as set forth in (e) following. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex lines and Centrex-type lines provided by the Telephone Company under its local and/or general exchange tariff.

The ratio used to calculate the premium usage as set forth in (b), (c), and (d) preceding will be determined on a quarterly basis and provided to the customer with the last bill rendered for the preceding quarter or mailed separately within five working days after the first day of the new quarter. A quarter is defined for these purposes as beginning on the first day of January, April, July or October.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description of Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(2) (Cont'd)

(d) (Cont'd)

In accordance with Section 2.4.1(H) preceding, the Telephone Company, upon reasonable request, shall provide a customer with the data used to derive the premium usage ratio calculated for that customer.

(e) Where FGD Switched Access Service is provided to a customer in an end office(s) where that customer's premium access minutes have been determined in accordance with (b), (c), and (d) preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating and/or terminating from that end office, the premium access minutes as set forth in (b), (c), and (d) preceding will be reduced on a one for one basis, but in no event shall the reduction exceed the total number of premium access minutes as set forth in (b), (c), and (d) from that end office. The customer will be billed for the revised number of premium access minutes.

(3) Where originating and/or terminating measurement capability does not exist for Feature Group A or Feature Group B Switched Access Services provided to an entry switch, the number of access minutes that will be assumed are as set forth in Section 6.7.8 following.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.1 Description of Application of Rates and Charges (Cont'd)

(D) Application of Rates (Cont'd)

(4) Shared Transport

Shared Transport refers to a rate application that is applicable only when the customer orders High Capacity Direct Trunked Transport between a serving wire center and a Telephone Company hub where the Telephone Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Direct Trunked Transport and Tandem Switched Transport. When the same customer also orders Special Access Service to be provided over the same high capacity facility, this service is considered to be Mixed Use and the regulations set forth in 7.4.8 following must be applied to separate the portion to be charged as Switched Access Service from the portion to be charged as Special Access Service.

Except as noted above, the Switched Access Service will be ordered, provided and rated as Direct Trunked Transport (i.e., Direct Trunked Facility and Direct Trunked Termination). As each derived channel is activated for Tandem Switched Transport, the High Capacity Direct trunked Transport and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a High Capacity DS1 service, 1/672nd for a High Capacity DS3 service, etc.). Tandem Switched Transport rates and charges, as set forth in 6.8.2 following, will apply for each channel that is used to provide the Tandem Switched Transport.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.2 Minimum Periods

Switched Access Service is provided for a minimum period of one month.

6.7.3 Reserved for Future Use

6.7.4 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

For Switched Access Services, the minimum monthly charge for the Local Switching and Information Surcharge rate elements is the sum of the charges set forth in 6.8.3(A) and (D) following or the measured or assumed usage for the month, adjusted as set forth in 6.7.3 preceding.

For the Local Transport rate element of Switched Access Services, the minimum monthly charge is assessed in terms of a Minimum Monthly Usage Charge (MMUC). If the actual Local Transport usage charge for the month, adjusted as set forth in 6.7.3 preceding, is higher than the MMUC, the customer pays the actual usage charge. If the Local Transport usage charge is lower than the MMUC, the customer pays the MMUC. The MMUC is determined as set forth in 6.7.5 following. Rates for actual usage are set forth in 6.8.2.(A) following.

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.5 Minimum Monthly Usage Charge (MMUC)

A Minimum Monthly Usage Charge is applied to all switched Access Services except such FGA services for which assumed average access minutes are used because actual measurement capabilities do not exist. In these cases, the customer will always be billed for the assumed average number of access minutes adjusted as set forth in 6.7.3 preceding, if required. The MMUC (the minimum transport charge) varies by capacity.

The MMUC is as follows:

Call Miles	Premium Minimum Transport Charge for FGC and FGD per BHMC*	Premium Minimum Transport Charge for FGA, FGB, or FGD** per line or trunk
0 to 72	\$0.00***	\$0.00***

The transitional MMUC for Feature Group A and Feature Group B services terminating in end offices not equipped with equal access capabilities is \$0.00 per line or trunk.

The MMUC billed to the customer for Feature Group C and Feature Group D when ordered in BHMC will be based on the total number of BHMCs (by type of BHMC) provided in or out of the end office (by Feature Group). For FGD ordered on a per trunk basis, the MMUC will be billed to the customer based on an assumed 30 BHMCs per trunk. For Feature Group A terminating in an end office converted to Equal Access, the MMUC will be billed to the customer at the line or hunt group level or other level of account based on an assumed 30 BHMCs per line. For Feature Group B, the MMUC will be billed to the customer based on an assumed 30 BHMCs per trunk, by entry switch.

\* BHMC is the number of busy hour minutes of capacity provided.

\*\* The MMUC for FGD per trunk applies only when FGD is ordered on a per trunk basis.

\*\*\* The MMUC is being reduced to zero pending completion of the investigation and disposition of petitions for reconsideration by the Federal Communications Commission in CC Docket NO. 86-125 Phase II.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.6 Change of Feature Group Type

Changes from one type of Feature Group to another (e.g., Feature Group A to Feature Group B, etc.) will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply with two exceptions. First, when a customer upgrades a Feature Group A, B, or C service to a Feature Group D service within five months of the availability of Feature Group D in an end office, the nonrecurring charges will not apply. The customer is not obligated to notify the Telephone Company of the discontinuance of Feature Group A, B, or C at the time he places the Feature Group D order, but the customer must notify the Telephone Company of this discontinuance within five months after the availability of Feature Group D service in an end office. When a customer upgrades a Feature Group A, B or C service to Feature Group D service, minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligations will be credited to the minimum period obligations for Feature Group D service.

6.7.7 Moves

A move involves a change in the physical location of one of the following:

- The point of termination at the customer's premises, or,
- the customer's premises.

The charges for the move are dependent upon whether the move is a new location within the same building or to a different building.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.7 Moves (Cont'd)

(A) Moves Within the Same Building

When the move is to new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring charge for the capacity affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new service. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

6.7.8 Measuring Access Minutes of Use

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company at end office switches or access tandem switches.

Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. For terminating calls over FGA and FGB, FGC to 800, and FGD, and for originating calls over FGA where the off-hook supervisory signal is provided by the customer's equipment, where measurement capability exists and FGB, and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGA where the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers, and where measurement capability exists and FGC, chargeable access minutes are derived from recorded minutes in the following manner:

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

Step 1: Obtain recorded originating minutes and messages, (measured as set forth in (C) and (E) following for FGA and FGC respectively) from the appropriate recording data.

Step 2: In cases where the Telephone Company is able to measure actual total attempts the Telephone Company will use that number in performing the calculations set forth in Step 3 below. In cases where the Telephone Company can only determine originating measured messages the Telephone Company will obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, operator, 800, 900, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and incompletd attempts. The total NCTA is the receipt of call to called party answer (set up and ringing) plus the time on an incompletd attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

The following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

Where:

Measured Minutes (M. Min.)	=	7,000
Measured Messages (M. Mes.)	=	1,000
Completion Ratio (CR)	=	.75
NCTA per Attempt	=	.4

$$(1) \text{ Total Attempts} = \frac{1,000 \text{ (M. Mes.)}}{.75 \text{ (CR)}} = 1,333.33$$

$$(2) \text{ Total NCTA} = 4 \text{ (NCTA per Attempt)} \times 1,333.33 = 533.33$$

$$(3) \text{ Total Chargeable Originating Access Minutes} = 7,000 \text{ (M. Min.)} + 533.33 \text{ (NCTA)} = 7,533.33$$

When assumed minutes are used, the assumed minutes are the chargeable access minutes.

FGA access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and then rounded up to the nearest access minute for each line or hunt group. FGB, FGC, and FGD access minutes or fractions thereof,

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office and are then rounded up to the nearest access minute for each end office.

The assumed average access minutes used for services originating or terminating in offices where measurement capability does not exist are set forth in 6.7.8.

(A) Reserved For Future Use

(B) Assumed Minutes of Use

Where originating and terminating measurement, capability does not exist for Feature Group A provided to an entry switch, the number of access minutes will be assumed to be 2780 access minutes per line if the line is arranged for two way calling. Where the line is arranged for only originating calling and measurement capability does not exist in that direction, 1857 access minutes will be assumed per line. Where the line is arranged for only terminating calling and measurement capability does not exist in that direction, 923 access minutes will be assumed per line. Where measurement capability exists for either originating or terminating usage but not both, on a line arranged for two way calling, the number of access minutes will be assumed to be 2780 access minutes per line or the measured usage, whichever is greater. If the usage in the measured direction exceeds 2780 access minutes, it will be assumed that there is zero usage in the unmeasured direction. If the usage in the measured direction is less than 2780 access minutes, the usage in the unmeasured direction will be assumed to be 2780 access minutes minus the measured usage (e.g. 2780-1500 measured = 1280 assumed in unmeasured direction).

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

(B) Assumed Minutes of Use (Cont'd)

Where originating and terminating measurement, capability does not exist for Feature Group B provided to the first point of switching, the number of access minutes will be assumed to be 8700 when the trunk is arranged for two way calling.

When the trunk is arranged for one way calling only and there is no measurement capability for that direction, assumed originating access minutes are assumed to be 3132 per trunk. When the trunk is arranged for terminating calling only and measurement capabilities do not exist in that direction, 5568 access minutes will be assumed per trunk.

Where measurement capability exists for either originating or terminating usage, but not both, on a trunk arranged for two way calling, the number of access minutes per trunk per month will be the assumed or the measured usage, whichever is greater. If the usage in the measured direction exceeds the assumed access minutes per trunk per month, no usage will be assigned in the unmeasured direction. If the measured usage is less than the assumed access minutes per trunk per month, the usage in the unmeasured direction will be assumed to be 8700 access minutes minus the measure usage (e.g., 8700-1800 measured = 6900 assumed in unmeasured direction).

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

(C) Feature Group A Usage Measurement

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers or forwarded by the customer's equipment when the called party answers.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal from either the originating end user's end office, indicating the originating end user has answered. The measurement of terminating call usage over FGA ends with the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

(D) Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB entry switch receives answer supervision forwarded from the customer's point of termination, indicating the customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

(E) Feature Group C Usage Measurement

For originating calls over FGC, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered.

The measurement of originating call usage over FGC ends when the originating FGC entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGC to services other than 800, 900 or directory assistance, terminating FGC usage is not directly measured at the terminating entry switch, but is imputed from originating usage, excluding usage from calls to 800, 900 or directory assistance services.

For terminating calls over FGC to 800 Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating 800 Service end user has answered.

The measurement of terminating call usage over FGC to 800 Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating 800 Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch.

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**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.8 Measuring Access Minutes of Use (Cont'd)

(F) Feature Group D Usage Measurement

For originating calls over FGD with Multifrequency Address Signaling, usage measurement begins when the originating FGD entry switch receives the acknowledgement wink supervisory signal forwarded from the customer's point of termination. For originating calls over FGD with SS7, usage measurement begins when either the Exit Message (EXM) or the Address Complete Message (ACM) is received.

The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

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6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.9 Network Blocking Charge for Feature Group D

The customer will be notified by the Telephone Company to increase its capacity (which may entail ordering additional entrance facilities, direct trunks, tandem ports, dedicated end office ports, or some combination of these) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and national holidays. If the order for additional capacity has not been received by the Telephone Company within 15 days of the notification, the Telephone Company will bill the customer, at the rate set forth in 6.8.2(C) following, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the capacity purchased.

(C)  
(C)

Blocking Thresholds

<u>Trunks in Service</u>	<u>1%</u>	<u>1/2%</u>
1-2	.070	.045
3-4	.050	.035
5-6	.040	.025
7 or greater	.030	.020

The 1% blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a customer's premises. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and a customer's premises via an access tandem.

6.7.10 Reserved for Future Use

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.11 Message Unit Credit

Calls from end users to the seven digit local telephone numbers associated with Feature Group Switched Access Service are subject to Telephone Company local exchange service tariff charges, as well as any other applicable charges for the Access Service. The monthly bills rendered to customers for their Feature Group A Switched Access Service will include a credit to reflect any message unit charges collected from their end users, under the Telephone Company's local exchange service tariffs. The credit will apply on a per minute basis and to assumed minutes where measurement capability exists and to assumed access minutes when no measurement capabilities exists. No credit will apply for terminating FGA access minutes. The message unit credit for originating access minutes will be based on the generally applicable message unit charges of the Telephone Company.

(D)

(D)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.14 Equal Access Recovery Charge

- (A) The Equal Access Recovery Charge (EA) is a charge to recover those costs that the Telephone Company incurs solely in connection with the provision of Feature Group (D) equal access. It is a charge assessed to Interexchange Carriers (ICs) who obtain Feature Group D Switched Access Service.
- (B) For each IC which obtains Feature Group D service, the Telephone Company will determine the EA charges applicable to that IC on a LATA wide basis monthly as set forth in 6.8.6 following.
- (C) The total number of equal access lines in a LATA is all in-service lines and trunks provided at end user locations served by end offices equipped with equal access.
- (D) The total number of presubscribed equal access lines is the sum of:
  - (1) All equal access lines and trunks in a LATA for which customers either have presubscribed to an IC or have been allocated to an IC as set forth in 13.3.3 following, and
  - (2) All equal access lines and trunks in a LATA which are not presubscribed to an IC or which have not been allocated to an IC as set forth in Section 13.3.3 following but continue to have access to interstate MTS/WATS <sup>1</sup> service without dialing an IC's access code. (C)

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations.

(N)  
(N)

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.15 Mileage Measurement

The mileage to be used to determine the monthly rate for Local Transport is calculated on the airline distance between wire centers, generally in segments dictated by how the customer orders transport, as set forth in (A) through (F) following. For SS7 signaling, the mileage to be used to determine the monthly rate for the Signaling Mileage Facility is calculated on the airline distance between the serving wire center associated with the customer's designated premises (Signaling Point of Interface) and the Telephone Company wire center providing the STP port.

(C)  
(C)

Where applicable, the V&H coordinates method is used to determine mileage. This method is set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

Mileage rates are as set forth in 6.8.2 following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate.

(A) Direct Trunked Transport

(D)  
(N)

Direct Trunked Transport mileage is generally measured between the offices specified by the customer when ordering. Segments of Direct Trunked Transport are defined by how the customer chooses to utilize Hub Offices. For example, the customer may order Direct Trunked Transport at the DS3 level from the serving wire center to a Hub Office, where it is multiplexed to the DS1 level, and Direct Trunked Transport at the DS1 level from the Hub Office to other offices. In this case, mileage for the DS3 Direct Trunked Transport is measured from the Serving Wire Center to the Hub Office, and mileage for the DS1 Direct Trunked Transport is measured from the Hub Office to the Tandem Office or End Office where the DS1 Direct Trunked Transport terminates. In some cases, the customer will order Direct Trunked Transport in only one segment. In this case, the mileage is measured for that segment, e.g. from the Serving Wire Center to the Tandem Office or End Office where the Direct Trunked Transport terminates. In cases where the two points for mileage measurement are the same (e.g., direct trunks to the tandem where the Serving Wire Center is the same as the Tandem Office), no charges for Direct Trunked Termination or Direct Trunked Facility will apply.

(N)

\*Certain regulations previously found on this page can now be found on page 268.1

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.15 Mileage Measurement

(B) Tandem Switched Transport

(N)

Tandem Switched Transport mileage is generally measured in two segments. One segment is measured from the Tandem Office to the Host Office, and the other segment is measured from the Host Office to the Remote Office. For traffic to end users served directly out of a Host Office (or stand-alone office with no remotes), no charge applies for the segment from the Host Office to the Remote Office. When traffic is routed over direct trunks to the Host Office, no charge is applied for the segment from the Tandem Office to the Host Office. In cases where the two point for mileage measurement are the same (e.g., the Host Office is located in the same Wire Center as the Tandem), no charges for Tandem Switched Facility or Tandem Switched Termination will apply for that segment.

(N)

(C) Feature Group A - Originating Usage

(T)

Direct Trunked Transport Mileage for premium and non-premium rated access minutes in the originating direction over Feature Group A Switched Access Service will be calculated on an airline basis, using the V&H coordinates method. The mileage measurement will be between the first point of switching (end office switch where the Feature Group A switching dial tone is provided) and the customer's serving wire center for the Switched Access Service provided.

\*Certain regulations on this page formerly appeared on page 268.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.15 Mileage Measurement (Cont'd)

(D) Feature Group A Terminating Usage (T)

The Local Transport mileage for terminating Feature Group A Switched Access Service will be measured in two segments. Direct Trunked Transport mileage will be measured between the customer's serving wire center and the first point of switching (i.e., the end office switch where the Feature Group A switching dial tone is provided). Tandem Switched transport mileage will be measured between the first point of switching and the terminating end office.

(E) Transport for WATS Traffic<sup>1</sup> (C)

For purposes of transport mileage calculation, the WATS Serving Office (for WATS provided over Feature Groups B, C, or D) or Feature Group A entry switch (for WATS provided over Feature Group A) shall be considered to be the end office. The appropriate measurement of Direct Trunked Transport and Tandem Switched Transport will then be calculated as set forth in (A) through (D) preceding.

(F) Feature Groups B and D - MTSOs Directly Interconnected to Access Tandems

MTSOs directly interconnected to a Telephone Company access tandem will be deemed for Telephone Company transport purposes to be served from the same wire center as the Tandem. Accordingly, no Telephone Company Tandem Switched Transport Facility or Tandem Switched Transport Termination charges will apply. Direct Trunked Transport mileage will be measured as set forth in (A) preceding.

<sup>1</sup> Wide Area Telecommunications Service (WATS) offering is grandfathered as of August 31, 2020 and limited to existing subscribers at their existing locations. (N)  
(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.7 Rate Regulations (Cont'd)

6.7.15 Mileage Measurement (Cont'd)

(D)

(D)

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Rates and Charges

6.8.1 Reserved for Future Use

6.8.2 Local Transport Services

(A)	<u>Dedicated Facilities</u>		<u>Rate Per Month</u>
(1)	Entrance Facilities	(VG)	\$80.70
		(DS1)	\$150.00
		(DS3)	\$1,192.00
(2)	Facility Term Fixed	(VG)	\$54.20
		(DS1)	\$75.00
		(DS3)	\$750.00
(3)	Facility Mileage - per 1/4 mile		N/A
(4)	Facility Mileage - per mile	(VG)	\$1.50
		(DS1)	\$10.00
		(DS3)	\$100.00
(5)	Multiplexing Service		
	a) DS3 to DS1		\$1,540.60
	b) DS1 to Voice		\$201.05

(B)	<u>Tandem Switched</u>	<u>Originating</u>	<u>Rate Per Minute</u>	<u>Terminating</u>	<u>Terminating</u>
				<u>Affiliate</u>	<u>3rd Party</u>
(1)	Tandem Transmission Fixed - Non 800	\$.00241772		\$0.00000	\$.00241772
(2)	Tandem Transmission Facility - per mile - Non 800	\$.00001000		\$0.00000	\$.00001000
(3)	Tandem Transmission per 1/4 mile - Non 800	N/A		N/A	
(4)	Tandem Switching - Non 800	\$.00020000		\$0.000000	\$.00020000
(5)	Joint Tandem Switched Transport Access Service - 800 Originating, per 800 access minute	\$0.00000000			
			Premium		
			Originating	Terminating	Non-Premium
					Originating
					Terminating
(6)	Residual Interconnection Charge - 800 and Non 800				
	(a) Basic Interconnection Charge	\$0.00000000		\$0.00000000	\$0.00000000
	(b) Supplemental LEC Transport Charge	\$0.00000000		\$0.00000000	\$0.00000000
(7)	Local Transport Equal Charge	N/A			N/A

(R)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Transport Services (Cont'd)

(B)	<u>Tandem Switched</u>	<u>Rate Per Month</u>	
	(8) Tandem Trunk Port		(T)
	VoiceGrade Tandem Trunk Port	\$10.00	
	DS1 Tandem Trunk Port	\$190.00	
(C)	<u>Network Blocking Charge</u>	<u>Rate Per Call Blocked</u>	
	Per Call ***	\$.01	
(D)	<u>Nonchargeable Optional Features</u>	<u>FID</u>	
	(1) <u>Supervisory Signaling</u>		
	DX Supervisory Signaling arrangement		
	- Per Transmission Path*	NCI ++DX+	
	SF Supervisory Signaling arrangement		
	- Per Transmission Path**	NCI ++SF+	

\* Available with Interface Groups 1 and 2

\*\* Available with Interface Groups 2 and 6 through 10

\*\*\* Applies to FGD

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Transport Services (Cont'd)

(D) Nonchargeable Optional Features (Cont'd)

(1) Supervisory Signaling (Cont'd)

E&M Type I Supervisory  
 Signaling arrangement  
 - Per Transmission Path\* NCI ++EA+

E&M Type II Supervisory  
 Signaling arrangement  
 - Per Transmission Path\* NCI ++EB+

E&M Type III Supervisory  
 Signaling arrangement  
 - Per Transmission Path\* NCI TTECT

Tandem Supervisory  
 Signaling arrangement  
 - Per Transmission Path\*\* NCI TTEXT

FID

(2) Data Transmission Parameters

Data Transmission NC ++I+\*\*\*  
 Parameters (Type NC ++J+\*\*\*\*  
 DA or DB) NC ++K+\*\*\*\*  
 - Per Transmission Path NC ++L+\*\*\*\*

- \* Available with Interface Groups 1 and 2
- \*\* Available with Interface Groups 2 and 6 through 10
- \*\*\* Applies to FGA, FGB, FGC and FGD
- \*\*\*\* Applies to FGA and FGB

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.2 Local Transport Services (Cont'd)

(D) Nonchargeable Optional Features (Cont'd)

(3) Improved Return Loss

FID

Improved Return Loss at	
four-wire point of interface,	NC ++M+ NC ++S+
applicable to each two-wire	NC ++N+ NC ++T+
port of effective four-wire	NC ++P+ NC ++2+
Channel*	
- Per Transmission Path	NC ++R+ NC ++3+

\* Available with Interface Group 2 for all Feature Groups.

**Frontier Communications-Midland, Inc.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office

(A) Local Switching

	<u>Rate Per Access Minute</u>		
	<u>Originating</u>	<u>Terminating</u>	
LS1 – All Feature Groups - Non 800	\$0.00265114	\$0.00000000	
LS2 – All Feature Groups - Non 800	\$0.00265114	\$0.00000000	
LS1 – All Feature Groups - 800	\$0.00000000	\$0.00000000	(R)
LS2 – All Feature Groups - 800	\$0.00000000	\$0.00000000	(R)
<u>Transitional Rates</u>			
Per Access Minute - Non 800	\$0.00119301	\$0.00000000	
Per Access Minute - 800	\$0.00000000	\$0.00000000	(R)
Carrier Identification Parameter, per Trunk Group		\$50.00	
Carrier Identification Parameter, NRC		\$65.00	

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(1) Common Switching Optional Features

(a) Common Switching Nonchargeable Optional Features

	<u>FID</u>
Call Denial on Line or Hunt Group (available with FGA)	
- Per Transmission Path or Transmission Path Group	CAD
Service Code Denial on Line or Hunt Group (available with FGA)	
- Per Transmission Path or Transmission Path Group	SCD
Hunt Group Arrangement (available with FGA)	
- Per Transmission Path Group	HML/HTG
Nonhunting Number for use with Hunt Group Arrangement or Uniform Call Distribution Arrangement (available with FGA)	
- Per Transmission Path	NHN

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(1) Common Switching Optional Features (Cont'd)

(a) Common Switching Nonchargeable Optional Features  
(Cont'd)

	<u>FID</u>
Uniform Call Distribution Arrangement (available with FGA) - Per Transmission Path Group	HTY UD
Automatic Number Identify- cation (available with FGC and FGD) - Per End Office	ANI
Delay Dial Start-Pulsing Signaling (available with FGC) - Per Transmission Path Group	DDSP
Immediate Dial Pulse Address Signaling (available with FGC) - Per Transmission Path Group	ADS IDP
Dial Pulse Address Signaling (available with FGC) - Per Transmission Path Group	ADS DP

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(1) Common Switching Optional Features (Cont'd)

(a) Common Switching Nonchargeable Optional Features  
(Cont'd)

	<u>FID</u>
Service Class Routing (available with FGC and FGD) - Per Transmission Path Group	SCRT
Alternate Traffic Routing (available with FGC and FGD) - Per Transmission Path Group	ARTG
Trunk Access Limitation Arrangement (available with FGC and FGD) - Per End Office	CHOK
International Carrier Option (available with FGD) - Per End Office and Access Tandem	INCO
Band Advance Arrangement for use with special access lines (available with FGA, FGB, FGC and FGD) - Per Arrangement	BAAD

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(1) Common Switching Optional Features (Cont'd)

(a) Common Switching Nonchargeable Optional Features  
(Cont'd)

FID

End Office End User  
Line Service Screening  
for use with special access  
lines (available with  
FGA, FGB, FGC and FGD)\*  
- Per Transmission Path

BAND

Hunt Group Arrangement  
for use with special access  
lines\* (available with FGA,  
FGB, FGC and FGD)  
- Per Transmission Path Group

HML/HTG

Nonhunting Number for use with  
Hunt Group Arrangement for use  
with special access lines  
(available with FGA, FGB, FGC  
and FGD)  
- Per Transmission Path

NHN

Uniform Call Distribution  
Arrangement for use with  
special access lines\*  
(available with FGA, FGB,  
FGC and FGD)  
- Per Transmission Path Group

HTY UD

\* This feature is required for originating only special access lines used in connection with switched access service.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Transport Termination Nonchargeable Options

FID

(a) Line Side Terminations  
(For FGA)

Two Way Operation

- Dial Pulse with Loop Start NC +++A
- Dial Pulse with Ground Start NC +++E
- DTMF with Loop Start NC +++F
- DTMF with Ground Start NC +++G

Terminating Operation

- Dial Pulse with Loop Start NC +++N
- Dial Pulse with Ground Start NC +++P
- DTMF with Loop Start NC +++R
- DTMF with Ground Start NC +++S

Originating Operation

- Loop Start NC +++U
- Ground Start NC +++V

(b) Trunk Side Terminations  
(For FGB, FGC and FGD)  
Standard Trunk for  
Originating, Terminating  
or Two-Way operation  
(available with FGB, FGC  
and FGD)

TTC SO  
TTC ST  
TTC TY

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(2) Transport Termination Nonchargeable Options (Cont'd)

(b) (Cont'd)

Rotary Dial Station Signaling Trunk (available with FGB)	TTC RD
--	--------

Operator Trunk, Coin, Non-Coin or Combined Coin and Non-Coin (available with FGC)	TTC CO
--	--------

Operator Trunk, Full Feature Arrangement (available with FGD)	TTC FF
---	--------

(3) Local Switching Termination Nonchargeable Options for Special Access Lines used in Connection with Switched Access Service

FID

(a) Line Side Terminations:

Originating Only Loop Start, Line Side Connection, with DTMF Address Signaling - Per Transmission Path	NC +++R
--	---------

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(3) Local Switching Termination Nonchargeable Options for Special Access Lines used in Connection with Switched Access Service (Cont'd)

FID

(a) Line Side Terminations (Cont'd)

Originating Only  
 Loop Start, Line Side  
 Connection, with Dial  
 Pulse Address Signaling  
 - Per Transmission Path NC +++N

Originating Only  
 Ground Start, Line Side  
 Connection, with DTMF  
 Address Signaling  
 - Per Transmission Path NC +++S

Originating Only  
 Ground Start, Line Side  
 Connection, with Dial  
 Pulse Address Signaling  
 - Per Transmission Path NC +++P

Terminating Only  
 Loop Start, Line Side  
 Connection  
 - Per Transmission Path NC +++U

Terminating Only  
 Ground Start, Line Side  
 Connection  
 - Per Transmission Path NC +++V

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(A) Local Switching (Cont'd)

(3) Local Switching Termination Nonchargeable Options for Special Access Lines used in Connection with Switched Access Service (Cont'd)

FID

(b) Trunk Side Terminations:

Terminating Only  
Trunk Side Connection  
for forwarding of Dialed  
Number Identification to  
End User  
- Per Transmission Path

NC +++T

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.3 End Office (Cont'd)

(B) Information Surcharge

	<u>Premium</u>	<u>Transitional</u>
Rate Per Access Minute – Non 800	\$.00000	\$.00000
Rate Per Access Minute – 800	\$.00000	\$.00000

(C) End Office Trunk Ports

	<u>Originating Rate</u>	<u>Terminating Rate</u>	
Common Trunk Port, per minute - Non 800	\$0.00020000	\$0.00000000	
Common Trunk Port, per minute - 800	\$0.00000000	\$0.00000000	(R)
DSO Dedicated Trunk Port, per month		\$10.00	
DS1 Dedicated Trunk Port, per month		\$190.00	

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.4 Common Channel Signaling Network Connection

(A) Signaling Network Access Link

(1) Network Access Facility Per Connection

<u>STP Band</u>	<u>Mileage Measurement</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
1	0	7AL1A	\$ 317.00	\$ 1,590.00
2	Over 0 to 3	7AL1B	\$ 606.00	\$ 1,590.00

(2) Network Access Channel Per Connection

<u>STP Band</u>	<u>Mileage Measurement</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
1	0	7AL2A	\$48.00	\$952.00
2	Over 0 to 3	7AL2B	\$64.00	\$952.00

(B) STP Port

Per Port	7CSPT	\$ 802.00	*
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6.8.5 900 Access Service Implementation Charge

- (A) The following non-recurring charges are assessed for the provision of 900 Access Service in the Rochester LATA. Subscribers to 900 Access Service receive originating access service in all of the end offices in the Rochester LATA. The Service Establishment Charge will be applied whenever a customer places an initial order for 900 Access Service, and includes the cost of establishing one NXX code. Each additional NXX requested on the same order will be subject to the Additional NXX Code Charge. The Subsequent Order Charge applies to the first NXX code to be added or deleted on

\* Nonrecurring charges are as specified in Section 5.2 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

6. Switched Access Service (Cont'd)

6.8 Rates and Charges (Cont'd)

6.8.5 900 Access Service Implementation Charge (Cont'd)

(B) 800 Data Base Access Service

Rate Per Query

(1) 800 Data Base Query, with 800

Per Query

\$.0002

(R)

(2) Vertical Features

Per Query

\$.000000

6.8.6 Equal Access Recovery Charge

Monthly Equal Access Charge

This charge is determined by multiplying each IC's percent of the total number of Presubscribed Equal Access lines, as set forth in 6.7.14(D) preceding, by the total number of Equal Access lines, as set forth in 6.7.14(C) preceding, by the monthly rate per Equal Access line.

Monthly Rate

Rate Per Equal Access Line

\$.00000

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises\*, either directly or through a Telephone Company Hub where bridging or multiplexing functions are performed. Special Access Service also provides a transmission path to connect a customer designated premises and a WATS Serving Office. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and band width. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are nine types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications
- Bandwidth
- Speed (i.e., bit rate)
- Spectrum

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces those that they desire to meet specific communications requirements.

\* Telephone Company Centrex CO and CO-like switches and packet switches included in the Public Packet Switching Network (PPSN) are considered to be customer designated premises for purposes of this tariff.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting data over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 15,000 Hz, from 300 to 3500 Hz, from 100 to 50,000 Hz or from 50 to 8000 Hz.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Video - a channel for the transmission of standard 525 line/60 field monochrome or National Television Systems Committee color video signal and one or two associated 5 or 15 kHz audio signals. The provision and the bandwidth of the associated audio signals is a function of the channel interface selected by the customer.

Wideband Analog - a channel for the transmission of wideband signals. The bandwidths are from 60 to 108 kHz, from 312 to 552 kHz, from 504 to 3084 kHz, from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

Wideband Data - an analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 Kbps.

Digital Data - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps.

High Capacity - a channel for the transmission of asynchronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

For example, a customer may order a 3.152 Mbps facility from a customer designated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade or Wideband Analog (i.e., Group Level) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade Channels.

7.1.2 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 7.1.2(A) following)
- Channel Mileage (described in 7.1.2(C) following)
- Optional Features and Functions (described in 7.1.2(E) following)

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(A) Channel Terminations

The Channel Termination rate category provides for the communications path between a customer designated point or points of termination (POT) and/or between customer designated point(s) of termination and/or the serving wire center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (E) following. One Channel Termination charge applies per customer designated POT at which the channel is terminated. This charge will apply even if the customer designated POT(s) and/or serving wire center are located in the same building.

For the avoidance of any doubt when a customer orders Special Access Service to a Telephone Company Switch, that switch is a customer designated premise (CDP) where the Special Access terminates. (N)  
|  
|  
(N)

(B) Reserved For Future Use

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(C) Channel Mileage

(1) Channel Mileage Facilities

The Channel Mileage Facility Rate recovers the cost for the transmission path which extends between the Telephone Company serving wire centers and/or Hub(s) and includes primarily outside plant used to provide the facility.

(2) Channel Mileage Termination

The Channel Mileage Termination Rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and Terminations at serving wire centers and Hubs), including circuit equipment. The Channel Mileage Termination Rate will apply at the serving wire center(s) for each customer designated premises and Telephone Company Hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging Hubs, the Channel Mileage Termination Rate will apply per Telephone Company designated Hub. When the Channel Mileage is zero (i.e., co-located serving wire centers), neither the channel mileage facility nor the Channel Mileage Termination Rate will apply.

(D) Reserved For Future Use

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(E) Optional Features and Functions

The optional Features and Functions rate categories provide for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained.

These characteristics may be obtained by using various combinations of facilities. Although the equipment necessary to perform the specified function may be installed at various locations along the path of the service, they will be charged for as a single rate element.

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions (i.e., Bridging or Multiplexing)
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed may be (1) to connect three or more customer designated premises in a multipoint arrangement as set forth in 7.4.7 following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

(A) Two-Point Service

A two-point service connects two customer designated premises either on a directly connected basis or through a Hub where multiplexing functions are performed.

Applicable rate elements are:

- Channel Termination
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 3 preceding and a Message Station Equipment Recovery Charge, as set forth in 7.4.3 following, may be applicable.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

The following diagram depicts two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type conditioning.



C-Type Conditioning

CT – Channel Termination

CM – Channel Mileage

SWC – Serving Wire Center

Applicable rate elements are:

- Channel Terminations (two applicable)
- Channel Mileage
- C-Type Conditioning Optional Feature

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company Hub. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.2. following.

Multipoint service utilizing a customized technical specifications package, as set forth in 7.2 following, will be provided when technically possible. If the Telephone Company determines that the requested characteristics for multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer will specify the bridging Hub(s). Specific bridging hub location information is incorporated in the NATIONAL EXCHANGE CARRIER ASSOCIATION Tariff F.C.C. No. 4.

Applicable Rate Elements are:

- Channel Termination (one per customer designated premises)
- Channel Mileage (as applicable between each customer designated premises and the Hub and between Hubs)
- Bridging
- Additional Optional Features and Functions (when applicable)

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

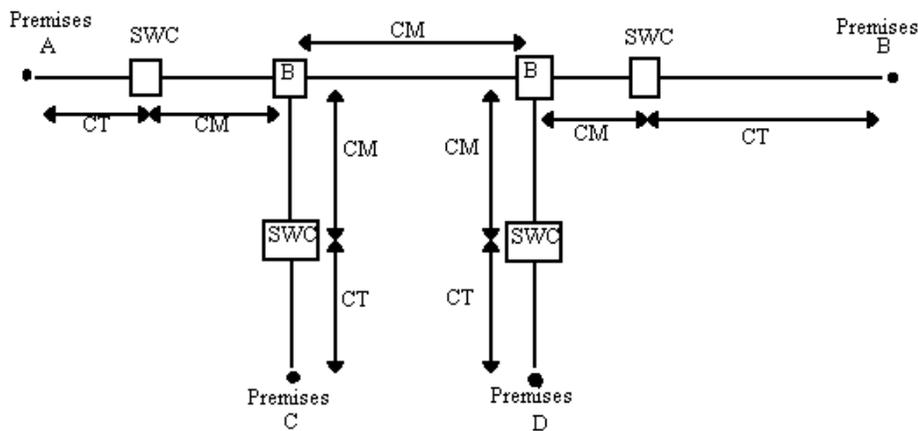
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Other applicable rates are the Special Access surcharge, as set forth in 3.7(E) preceding, and a Message Station Equipment Recovery charge as set forth in 7.4.3 following.

Example: Voice Grade Multipoint service connecting four customer premises via two customer specified bridging Hubs.



CT - Channel Termination  
 CM - Channel Mileage  
 B - Bridging  
 SWC - Serving Wire Center

Applicable rate elements are:

- Channel Termination (4 applicable)
- Channel Mileage (5 sections)
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Alternate Use

Alternate Use occurs when a service is arranged by the Telephone Company so that the customer can select different types of transmission at different times. The customer may use a service in any privately beneficial manner. However, where technical engineering changes are required to effectuate an alternate use, the Telephone Company will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations and Channel Mileage [as applicable] and Optional Features [if any]).

7.1.5 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in 11. following.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.7 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters:

- (A) For analog services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, frequency response, harmonic distortion, phase jitter, impulse noise, C-message noise, and delay distortion when these parameters are specified in the order for service. Additionally, for Voice Grade Services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For other services, acceptance tests will include tests for the parameters specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in 13.3.5(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provision set forth in Section 5, preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charge, Cancellation Charge, etc.).

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, there are nine categories of Special Access Service. These are:

Metallic	MT
Telegraph Grade	TG
Voice Grade	VG
Program Audio	AP
Video	TV
Wideband Analog	WA
Wideband Data	WD
Digital Data	DA
High Capacity	HC

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

Customized technical specifications packages will be provided where technically feasible. If the Telephone Company determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or is provided between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed or between a customer designated premises and a WATS Serving Office.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The technical specifications packages information indicates the transmission parameters that are available with each technical specifications package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., BGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above across from the category of Special Access Service.

The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

Channel interfaces at each Point of Termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 7.3.5 following, in a combination format.

Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of this 7.2. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that existing services with performance specifications excluding the standard listed in this provision will be maintained at the performance levels specified in this tariff.

All services installed after the effective date of this tariff will conform to the transmission performance standards contained in this tariff or in the following Technical References for each category of service:

Metallic	PUB	62502
Telegraph Grade	PUB	62502
Voice Grade	PUB	62501 and associated Addendum
	PUB	41004, Table 4
Digital Data	PUB	62507
	PUB	62310
		TA-TSY-000192
		TA-TSY-000280
High Capacity	PUB	62508
	PUB	62411
		TR-NPL-000054

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service

(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per circuit.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package MT</u>			
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference PUB 62502.

(C) Channel Interfaces

The following channel interface combinations represent channel interfaces without signaling:

DC to DC  
DS to DC

\* All parameters are available within the ranges selected by the customer where technically feasible.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service (Cont'd)

(C) Channel Interfaces (Cont'd)

All other channel interfaces for Metallic Service are provided with signaling.

Compatible channel interfaces are set forth in 7.3.5(A) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Three Premises Bridging-Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
- (b) Series Bridging of up to 26 customer designated premises. \*\*

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package MT</u>			
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X	X		X
Series Bridging	X		X	

\* All parameters are available within the ranges selected by the customer where technically feasible.

\*\* No additional charge applies for series bridging.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service (Cont'd)

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

(2) DIGILINE - Provides digital interface capability as further described in Section 7.2.3(D) 12 following.

7.2.2 Telegraph Grade Service

(A) Basic Channel Description

A Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation.

Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package TG-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
Telegraph Distortion	X	X	X

The technical specifications are delineated in Technical Reference PUB 62502.

(C) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(B) following.

\* All parameters are available within the ranges selected by the customer where technically feasible.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph Grade Service (Cont'd)

(D) Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

The following table shows the technical specifications packages with which the optional feature and functions are available.

	<u>Available with Technical Specifications Package TG-</u>		
	<u>C</u>	<u>1</u>	<u>2</u>
Telegraph Bridging	X	X	X

(2) DIGILINE - Provides digital interface capability as further described in Section 7.2.3(D)(12) following.

7.2.3 Voice Grade Service

(A) Basic Channel Description

A Voice Grade channel, including a special access line used in connection with switched access service, is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub. A special access line used in connection with switched access service is provided between a customer redesignated premises and a Telephone Company end office.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(A) Basic Channel Description (Cont'd)

When the end office serving the customer is not a WATS serving office, the mileage between the customer's end office and WATS serving office will be charged channel mileage rates.

(B) Technical Specifications Packages

Parameter	C*	Package VG-											
		1	2	3	4	5	6	7	8	9	10	11	12
Attenuation													
Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message													
Noise	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X
Envelop Delay													
Distortion	X							X	X	X	X	X	X
Frequency													
Shift	X							X	X	X	X	X	X
Improved													
Return Loss	X	X	X	X	X	X	X	X	X	X	X	X	X
Impulse Noise	X							X	X	X	X	X	X
Intermodulation													
Distortion	X							X	X	X	X	X	X
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X												
Phase Jitter	X							X	X	X	X	X	X
Signal-to-C Message Noise													
Signal-to-C Notch Noise	X							X	X	X	X	X	X

\* The desired parameters are selected by the customer from the list of available parameters.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated to Technical Reference PUB 62501 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

(C) Channel Interfaces

The following channel interface combinations represent channel interfaces without signaling:

AH to DA	DS to DA
AH to NO	DS to NO
AH to TF	DS to TF
DA to DA	NO to DA
DB to DA	NO to NO
DB to NO	TF to TF

All other channel interfaces for Voice Grade are provided with signaling.

Compatible channel interfaces are set forth in 7.3.5(C) following.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire and four-wire)
- (b) Data Bridging (two-wire and four-wire)
- (c) Telephoto Bridging (two-wire and four-wire)
- (d) DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (e) Telemetry and Alarm Bridging

Passive Bridging  
Summation, Active Bridging

(2) Central Office Multiplexing

Voice to Telegraph Grade (43 Type Carrier): an arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing. 43 Type Carrier is the multiplexing of 18 very narrow channels on 1 Voice Grade channel.

(3) Conditioning

Conditioning provides more specific transmission Characteristics for voice grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing current helps maintain continuity on dry metallic loops.

For two-point service, the parameters apply to each service. For multipoint services, the parameters apply to each mid-link or end-link. C-Type conditioning and Data Capability may be combined on the same service.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(3) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

Attenuation Distortion  
(Frequency Response)  
Relative to 1004 Hz

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
400-2800	-1.0 to +2.0
300-3000	-1.0 to +3.0
3000-3200	-2.0 to +6.0

Envelope Delay  
Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (micro-seconds)</u>
1000-2600	100
800-2600	200
600-2600	300
500-2800	600
500-3000	3000

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(3) Conditioning (Cont'd)

(b) Reserved for Future Use

(c) Sealing Current Condition

Sealing current conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type channel interfaces.

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. This level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference PUB 62501.

(5) Hybrid

Provides conversion from a four-wire channel to two-wire termination at a customer designated premises. Required to meet effective four-wire performance with a two-wire customer designated premise channel interface.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(6) Improved Return Loss

(a) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference PUB 62501.

(b) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specification. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical reference PUB 62501.

(7) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(7) Data Capability (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter or Data Capability are:

- Signal to C-Notched Noise ratio is equal to or greater than 32db
- Intermodulation distortion:
  - Signal to second order modulation products (R2) is equal to or greater than 38db.
  - Signal to third order modulation products (R3) is equal to or greater than 42db.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(8) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(8) Telephoto Capability (Cont'd)

The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

Attenuation Distortion  
(1004hz Reference)

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
500-3000	-0.5 to +1.5
300-3200	-1.0 to +2.5

Envelope Delay Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (mcs)</u>
1000-2500	110
800-2800	180

(9) Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(10) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

(11) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. a key activated or dial-up control service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

The following table show the technical specifications packages with which the optional features and functions are available.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(11) Transfer Arrangement (Cont'd)

C-Type	C*	Available with Technical Specifications Package VG-											
		1	2	3	4	5	6	7	8	9	10	11	12
Conditioning	X					X	X	X	X	X	X		
Central Office Bridging Capability	X	X			X	X					X	X	X
Central Office Multiplexing	X					X							
Customer Specified Premises Receive Level	X	X	X			X	X	X					
DA-Type Conditioning	X				X	X			X				
Improved Return Loss: For Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X
For Effective Two-Wire Transmission	X	X	X					X					
Sealing Current Conditioning	X					X							
Telephoto Capability	X											X	
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X
Selective Signaling Capability	X	X			X	X				X	X	X	

\* The desired parameters are selected by the customer from the list of available parameters.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(12) DIGILINE Option Description

The DIGILINE option allows individual channel services to be terminated on a two-wire or four-wire digital basis to a customer. This option is provided to allow a digital interface between a customer serving central office and a Telephone Company designated Hub wire center terminating in a Digital Access Cross-connect System (DACS). The DIGILINE option rates consist of nonrecurring and monthly charges for the digital interface as well as an interoffice transport rate between the customer's serving office and a Telephone Company designated hub wire center location. DIGILINE rates apply in addition to any monthly recurring and non-recurring charges for the basic analog service ordered. The technical specifications of the DIGILINE option is set forth in Bellcore Technical Reference TR-TSY-000170 as noted on page 18.1 of this tariff.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Digital Data Service

(A) Basic Channel Description

A Digital Data Channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided between customer designated premises or between a customer premises and a Telephone Company Hub. Sub rating is not available at the 19.2 Kbps speed and the 64 Kbps speed requires B8ZS line code formatted signal.

Secondary Channel Capability (SSC) is a derived companion digital transmission path that is independent of the primary data path and operates at a substantially lower bit rate. This derived channel allows the customer to perform network management functions during the normal operation of the network. This diagnostic channel utilizes a portion of a customer's previously unavailable data bit stream allowing for the ability to remotely control and test the network out of service. Special customer equipment is necessary to utilize the benefits of the SSC. Customers not wishing to utilize the capability will not be impacted. Due to the transmission equipment restrictions, SSC cannot be provided on 56.0 Kbps circuits that require the installation of loop repeater equipment for provision of service.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Digital Data Service (Cont'd)

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package DA-</u>					
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
Error-Free Seconds	X	X	X	X	X	X

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Digital Data Service (Cont'd)

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data channel:

<u>CI</u>	<u>Bit Rate</u>
DU5-19	19.2 kbps
DU5-24	2.4 kbps
DU5-48	4.8 kbps
DU5-56	56.0 kbps
DU5-64	64.0 kbps
DU5-96	9.6 kbps

Compatible channel interfaces are set forth in 7.5.3(H) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

The following table shows the technical specifications packages with which the optional features and functions are available.

	<u>Available with Technical Specifications Package DA-</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X
Transfer Arrangement	X	X	X	X

(2) Reserved for Future Use

(3) DIGILINE - Provides digital interface capability as further described in Section 7.2.3(D)(12) preceding.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Digital Data Service (Cont'd)

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

(4) Secondary Channel

Digital Data Service Secondary Channel is an option available to customers of Digital Data Service. This option is a separate digital channel that operates in concert with a companion Digital Data Service primary channel but at a substantially lower bit rate than the primary channel. The secondary Channel permits a customer to perform network management functions, including testing of the network and peripheral devices, without taking the network out of service or reducing the speed of the primary channel. Technical parameters and specifications associated with this option are set forth in Bellcore Technical Reference TR-NPL-000157 ISSUE 2, 1986.

(5) Digital Data Service Bridging

Digital Data Service Bridging is a service which allows a customer the ability to bridge either 2.4, 4.8, 9.6 or 56 kbs data circuit using a Multipoint Junction Module with six multi-junction units (MJUs), each consisting of four branch legs and a control leg. The control leg transmits and receives from all of the branch legs. The branch legs transmit to and receive from the control leg only, and not other branch legs. This service is only available between a customer premises and a Telephone Company designated digital hub.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between two or more customer designated premises or between a customer designated premises and a Telephone Company Hub.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(B) Technical Specifications Packages

Package HC-

<u>Parameters</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds	X	X	X	X	X

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

<u>CI</u>	<u>Bit Rate</u>
DS-15*	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DSIC)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in 7.5.3(I) following.

(D) Optional Features and Functions

(1) Automatic Protection Switching

Switching equipment is placed at both ends of a duplicate standby service to automatically switch the standby service to the active state in the event of service failure. Duplicate 1.544 Mbps Service must also be ordered. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone company inventory as of November 18, 1983. The feature is not available with channels utilizing the clear channel capability (B8ZS) line code.

\* A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

## FRONTIER COMMUNICATIONS MIDLAND, INC.

## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)(2) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated or dial up control service is required to operate the transfer arrangement. A spare line, is required, is not included as part of the option. This feature is not available with channels utilizing the clear channel capability (B8ZS) line code.

(3) Central Office Multiplexing(a) DS4 to DS1

An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing.

(b) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

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

(3) Central Office Multiplexing (Cont'd)

(d) DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing.

(e) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel at this DS1 to the Hub can also be used for a Digital Data Service.

(f) DS1 to DS0

An arrangement that converts a 1.544 Mbps channel to twenty-three 64.0 kbps channels utilizing digital time division multiplexing. Required with DS1 to Digital Data channels hub multiplexing capability (MQ1).

(g) DS0 to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels using digital time division multiplexing.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

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

(3) Central Office Multiplexing (Cont'd)

(d) DS1C to DS1 (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC- *				
	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Automatic Protection Switching	X				
Central Office Multiplexing:					
DS4 to DS1					X
DS3 to DS1				X	
DS2 to DS1			X		
DS1C to DS1		X			
DS1 to Voice	X				
DS1 to DS0	X				
DS0 to Subrate Transfer Arrangement					X
Clear Channel Capability	X				

\* Available only on a channel of a 1.544 Mbps facility to a Telephone Company Hub.

**FRONTIER COMMUNICATIONS MIDLAND, INC.****ACCESS SERVICE**7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 High Capacity Service (Cont'd)(D) Optional Features and Functions (Cont'd)(4) DIGILINE HC Option Description

The DIGILINE HC option provides a digital interface between a customer's High Capacity Service and a Telephone Company designated Hub wire center terminating in a Digital Access Cross-connect system. The DIGILINE HC option rates are applied in addition to a customer's High Capacity service recurring and non-recurring charges from the Telephone Company designated Hub wire center to the customer's designated premises. The technical specifications of the DIGILINE HC service are as set forth in Bellcore Technical Reference TR-TSY-000170 as noted on Page 18.1 of this tariff.

(5) Clear Channel Capability

(a) Clear Channel Capability is an arrangement that allows a customer to transport 1.536 Mbs information rate signals over a 1.544 Mbs High Capacity Channel with no constraint on the quantity or sequence of ones (mark) or zeros (space) bits. The customer signal at the channel interface must conform to Bipolar with Eight Zero substitution (B8ZS) line code as described in Technical Reference TR-NPL-000054 and Technical Reference PUB 62508.

(b) Clear Channel Capability is available on 1.544 Mbs High Capacity Channels only and is subject to the availability of facilities.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

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

(5) Clear Channel Capability (Cont'd)

(c) This option may be ordered at the same time the 1.544 Mbs high Capacity Service is ordered or it may be ordered as an addition to an existing channel. If this option is ordered on an existing 1.544 High Capacity Channel the customer's service will be temporarily interrupted while this service is added.

(d) This option is provided on a per circuit basis. After a High Capacity Circuit (i.e., 24 channels) has been modified to provide this service, a customer may request Clear Channel Capability on any or all of the channels of that circuit at no additional charge.

(6) Fiber Loop Diversity

(a) The Fiber Loop Diversity (FLD) option provides for separate fiber protect path to the customer's serving wire center. This option is available where facilities permit. For a list of those locations, see the NATIONAL EXCHANGE CARRIER ASSOCIATION Tariff F.C.C. No. 4.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

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

6. Fiber Loop Diversity (Cont'd)

- (b) This option is provisioned solely on a fiber optic ring and offers protection on the channel termination (local loop) portion of a 1.544Mbps (DS1) service only.
- (c) This option may be ordered in conjunction with the installation of a new DS1 service, or it may be ordered as an option to an existing DS1 service. If the FLD option is ordered concurrent with a new DS1 service installation, no additional installation charges apply. If, however, the FLD option is provisioned on an existing DS1 service, the current nonrecurring rate stated in section 7.5.9 following of this tariff will apply.
- (d) Unless otherwise requested by the customer, the FLD option and the primary loop will enter the customer premises via the same entrance. The customer may request that the FLD option be provisioned using a separate entrance. If a separate entrance for the FLD option is requested by the customer and additional construction is required by Rochester Telephone, then special construction charges will be assessed in accordance with the terms and conditions stated in section 12 of this tariff.

7. Digital Cross Connect

The Digital Cross Connect option provides for a connection between two Telephone Company owned Multiplexers in the same Central Office. A nonrecurring charge, stated in Section 7.5.9(D)(5), is assessed per Digital Cross Connect.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 High Capacity Service (Cont'd)

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

8. Fractional T-1

- (a) Fractional T-1 is an optional feature available as part of the High Capacity Digital Service. The feature provides for the transmission of signals in N x 56 Kbps or N x 64 Kbps, ordered in increments of 2, 3, 4, 5, or 6 DSO channels. Channels must be sequential. Signalling can either be digital or analog, and will handle AMI or B8ZS options. The speeds at which the service may be ordered are as follows:

<u>N x 56</u>	<u>N x 64</u>
2 x 56 = 112 Kbps	2 x 64 = 128 Kbps
3 x 56 = 168 Kbps	3 x 64 = 192 Kbps
4 x 56 = 224 Kbps	4 x 64 = 256 Kbps
5 x 56 = 280 Kbps	5 x 64 = 320 Kbps
6 x 56 = 336 Kbps	6 x 64 = 384 Kbps

- (b) Fractional T-1 service is deployed, where available, using a Digital Access Cros-connect System (DACCS), or D4-type channel bank located in the Telephone Company central office. The link (local loop) from the customers serving wire center (SWC) to the customers premises must be a 4-wire non-loaded copper facility. The maximum length over which the service may be provided is 12,000 feet from the SWC to the customers premises. Rates for Frantional T-1 service are set forth in Section 7.5.9(D)(6), following.
- (c) Interoffice transport, when applicable, will be assessed at the current tariff rate for the type of transport selected (i.e., Digiline, DDS).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

- NT = Metallic Channel with a Predefined Technical Specification Package (1)
- 2 = Number of physical wires at customer premises
- DC = Facility interface for direct current or voltage
- 8 = Variable impedance level
- 3 = Metallic facilities (DC continuity) for direct Current/low frequency control signals or slow speed data (30 baud)

7.3.1 Glossary of Facility Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB	-	accepts 20 Hz ringing signal at customer's point of termination
AC	-	accepts 20 Hz ringing signal at customer's end user's point of termination
AH	-	analog high capacity interface
	B	60 kHz to 108 kHz (12 channels)
	C	312 kHz to 552 kHz (60 channels)
	D	564 kHz to 3084 kHz (600) channels)
CT	-	Centrex Tie Trunk Termination

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DA	-	data stream in VF frequency band at customer's end user's point of termination
DB	-	data stream in VF frequency band at customer's point of termination
	- 10	VF for TG1 and TG2
	- 43	VF for 43 Telegraph Carrier type signals, TG1 and TG2
DC	-	direct current or voltage
	- 1	monitoring interface with series RC combination (McCulloh format)
	- 2	Telephone Company energized alarm channel
	- 3	Metallic facilities (DC continuity) for direct current/low frequency control signals or Slow Speed data (30 baud)
DD	-	DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
DE	-	DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination
DO	-	digital interface at customer's point of termination at the digital signal level zero A (DS-OA)
DS	-	digital hierarchy interface
	- 15	1.544 mbps (DS1) format per PUB 41451 plus D4
	- 15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
	- 15F	8-bit PCM encoded in two 64 kbps of the DS1 signal

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
	- 15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
	- 15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
	- 15J	1.544 mbps format per PUB 41451
	- 27	274.176 mbps (DS4)
	- 27L	274.176 mbps (DS4) with SF signaling
	- 31	3.152 mbps (DS1C)
	- 31L	3.152 mbps (DS1C) with SF signaling
	- 44	44.736 mbps (DS3)
	- 44L	44.736 mbps (DS3) with SF signaling
	- 63	6.313 mbps (DS2)
	- 66L	6.313 mbps (DS2) with SF signaling
DU	-	digital access interface
	- 15S	1.544 mbps format per PUB 41451 plus extended framing format
	- 19	19.2 kbps
	- 24*	2.4 kbps
	- 48*	4.8 kbps
	- 56*	56.0 kbps
	- 64*	64.0 kbps
	- 96*	9.6 kbps
	- A	1.544 Mbps format per PUB 41451
	- B	1.544 Mbps format per PUB 41451 plus D4 format
	- C	1.544 Mbps format per PUB 41451 plus extended framing format
	- S	1.544 Mbps (DS1) with B8ZS Clear Channel Capability per Technical Reference TR-NPL-000054

\* Additional Telephone Company designation for use when the Optional Secondary Channel feature is required.

## FRONTIER COMMUNICATIONS MIDLAND, INC.

## ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>		<u>Option</u>	<u>Definition</u>
DX	-		duplex signaling interface at customer's point of termination
DY	-		duplex signaling interface at customer's end user's point of termination
EA	-	E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originated on E Lead
EA	-	M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EB	-	E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead
EB	-	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EC	-		Type III E&M signaling at customer POT
EX	-	A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions
EX	-	B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.
GO	-		ground start loop signaling - open end function by customer or customer's end user
GS	-		ground start loop signaling - closed end function by customer or customer's end user
LA	-		E.I.A. (25 pin RS-232)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
LA	-	end user loop start loop signaling - Type A OPS registered port open end
LB	-	end user loop start loop signaling - Type B OPS registered port open end
LC	-	end user loop start signaling - Type C OPS registered port open end
LO	-	loop start loop signaling - open end function by customer or customer's end user
LR	-	20 Hz automatic ringdown interface at customer with Telephone Company provided PLAR
LS	-	loop start loop signaling - closed end function by customer or customer's end user
NO	-	no signaling interface, transmission only
PG	-	program transmission - no dc signaling
	1	nominal frequency from 50 to 15,000 Hz
	3	nominal frequency from 200 to 3,500 Hz
	5	nominal frequency from 100 to 5,000 Hz
	8	nominal frequency from 50 to 8,000 Hz
RV	0	reverse battery signaling, one-way operation, originate by customer
	T	reverse battery signaling, one-way operation, terminate function by customer or customer's end user
SF	-	single frequency signaling with VF band at either customer POT or customer's end user's point of termination
TF	-	telephotograph interface

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
TT	-	telegraph/teletypewriter interface at either customer POT or customer's end user's point of termination
	- 2	20.0 milliamperes
	- 3	3.0 milliamperes
	- 6	62.5 milliamperes
TV	-	television interface
	- 1	combined (diplexed) video and one audio signal
	- 2	combined (diplexed) video and two audio signals
	- 5	video plus one (or two) audio 5 kHz signal(s) or one (or two) two wire
	- 15	video plus one (or two) audio 15 kHz signal(s)
WA	-	wideband bandwidth interface at customer's end user POT
	- 1	limited bandwidth
	- 2	nominal passband from 29000 to 44000 Hz
WB	-	wideband data interface at customer POT
	- 18S	18.75 kbps, synchronous
	- 19A	up to 19.2 kbps asynchronous
	- 19S	19.2 kbps synchronous
	- 23A	up to 230.4 kbps, asynchronous
	- 23S	230.4 kbps, synchronous
	- 40S	40.8 kbps, synchronous
	- 50A	up to 50.0 kbps, asynchronous
	- 50S	50.0 kbps, synchronous
WC	-	wideband data interface at customer's end user POT
	- 18	18.75 kbps, synchronous
	- 19	for 12-wire interface: 19.2 kbps, synchronous

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Facility Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
		for 10-wire interface: up to 19.2 kbps, asynchronous
-	23	up to 230.4 kbps, asynchronous
-	23S	230.4 kbps, synchronous
-	40	40.8 kbps, synchronous
-	50	for 12-wire interface: 50.0 kbps, synchronous
		for 10-wire interface: up to 50.0 kbps, asynchronous
WD	-	wideband bandwidth interface at customer POT
	- 1	nominal passband from 300 to 18000 Hz
	- 2	nominal passband from 28000 to 44000 Hz
	- 3	nominal passband from 29000 to 44000 Hz

7.3.2 Impedance

The nominal reference impedancy with which the Customer will terminate the channel for the purpose of evaluating transmission performance: \*

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3
135	5
75	6
124	7
Variable	8
100	9

\* For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.3 Digital Hierarchy Channel Interface Codes (4 DSX)

Customers selecting multiplexed four-wire DSX-1 or higher capacity interface options at the customer designated premises will be requested to provide subsequent system and channel assignment date. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Digital Hierarchy Level</u>
4DS8-15	1.544	DS1
4DS8-15L	1.544	DS1
4DS6-44	44.736	DS3
4DS6-44L	44.736	DS3

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for:

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PX
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TX
TV1	TV
TV2	TW
DA1	XA
DA2	XB
DA3	XG
DA4	XH
DA5	XE
DA6	YN
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces

The following tables show the available channel interface codes (CIs) which are compatible:

(A) Metallic

Compatible CIs

2DC8-1	2DC8-2
2DC8-3	2DC8-3
4DS9-*	2DC8-1
4DS9-*	2DC8-2

(B) Telegraph Grade

Compatible CIs

2DB2-10	10IA2
2DB2-10	2TT2-2
2DB2-10	4TT2-2
2DB2-43+	10IA2
2DB2-43+	2TT2-2
2DB2-43+	2TT2-6
2DB2-43+	4TT2-2
4DB2-10	10IA2
4DB2-10	2TT2-2
4DB2-10	4TT2-2
4DB2-43+	10IA2
4DB2-43+	2TT2-6
4DB2-43+	4TT2-2
4DS9-*	10IA2
4DS9-*	2TT2-2
4DS9-*	4TT2-2
4DS9-*	2TT2-6
4DS9-*	4TT2-6

\* See 7.3.3 preceding for explanation.

+ Supplemental Channel Assignment information required.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(B) Telegraph Grade (Cont'd)

Compatible CIs

2TT2-2	2TT2-2
2TT2-3	2TT2-2
2TT2-3	4TT2-2
2TT2-6	4TT2-2
4TT2-6	2TT2-6

(C) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4AB2	4AC2	4DS9-*	9DY3	4DS9-*	6LS2
4AB3	4AC2	4DS9-*	4DY2	4DS9-*	4LS2
4AB2	2AC2	4DS9-*	6DY3	4DS9-*	2LS2
4AB3	2AC2	4DS9-*	6DY2	4DS9-*	2LS3
2AB2	2AC2	4DS9-*	4DY2		
2AB3	2AC2	4DS9-*	2DY2	4DS9-*	4NO2
				4DS9-*	2NO2
4AB2	4SF2	4DS9-*	9EA2		
4AB3	4SF2	4DS9-*	9EA3	4DS9-*	4PR2
		4DS9-*	6EA2-E	4DS9-*	2PR2
6DA2	6DA2	4DS9-*	6EA2-M		
6DA2	4DA2	4DS9-*	4EA2-E	4DS9-*	4SF2
4DA2	4DA2	4DS9-*	4EA2-M	4DS9-*	4SF3
4DB2	6DA2	4DS9-*	8EB2-E	4DS9-*	4TF2
4DB2	4DA2	4DS9-*	8EB2-M	4DS9-*	2TF2
4DB2	2DA2	4DS9-*	6EB2-E		
2DB3	2DA2	4DS9-*	6EB2-M	6DX2	4SF2
				4DX2	4SF2
		4DS9-*	2GO2	4DX3	4SF2

\* See 7.3.3 preceding for explanation.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
4DB2	4NO2			4DX2	4SF3
4DB2	2NO2	4DS9-*	6GS2	4DX3	4SF3
2DB2	2NO2	4DS9-*	4GS2		
		4DS9-*	2GS2	9EA3	4SF2
4DD3	4DE2	4DS9-*	2GS3	9EA2	4SF2
4DD3	2DE2			6EA2-E	4SF3
		4DS9-*	2LA2	6EA2-M	4SF3
4DS9-*	4AC2			6EA2-E	4SF2
4DS9-*	2AC2	4DS9-*	2LB2	6EA2-M	4SF2
				6EA3-E	4SF2
4DS9-*	6DA2	4DS9-*	2LC2	4EA2-E	4SF2
				4EA2-M	4SF2
4DS9-*	2DA2	4DS9-*	2LO2		
		4DS9-*	2LO3	8EB2-E	4SF2
4DS9-*	4DE2			8EB2-M	4SF2
4DS9-*	2DE2	4DS9-*	4LR2	8EB2-E	4SF3
		4DS9-*	2LR2	8EB2-M	4SF3
4DS9-*	4DX3			6EB3-E	4SF2
4DS9-*	4DX2			6EB2-E	4SF2
				6EB2-M	4SF2
6EX2-A	4SF2				
6EX2-B	4SF2				
6GO2	4SF2				
4GO2	4SF2				
4GO3	4SF2				
6LO2	4SF2				
4LO2	4SF2				

\* See 7.3.3 preceding for explanation.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

Compatible CIs

4LO3	4SF2
4LR2	4SF2
4LR3	4SF2
4SF2	4AC2
4SF2	2AC2
4SF3	9EA2
4SF3	9EA3
4SF3	9EA2-E
4SF3	4EA2-M
4SF3	6EB2-E
4SF3	6EB2-M
4SF3	6GS2
4SF2	6GS2
4SF2	4GS2
4SF3	4GS2
4SF2	2GS2
4SF2	2GS3
4SF3	2GS2
4SF3	2GS3
4SF3	4SF3
4SF3	4SF2
4SF2	4SF2

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

Compatible CIs

4TF2	4TF2
4TF2	2TF2
2TF3	2TF2

(D) Digital Data

Compatible CIs

Compatible CIs

Compatible CIs

4DS8-15* 4DU5-24*#	4DS8-15*# 6DU5-56*#	4DU5-96*# 4DU5-96*#
4DS8-15* 4DU5-48*#	4DS8-15*# 6DU5-96*#	6DU5-24*# 6DU5-24*#
4DS8-15* 4DU5-56*#	4DU5-24*# 4DU5-24*#	6DU5-48*# 6DU5-48*#
4DS8-15* 4DU5-96*#	4DU5-48*# 4DU5-48*#	6DU5-56*# 6DU5-56*#
4DS8-15* 6DU5-24*#	4DU5-56*# 4DU8-56*#	6DU5-96*# 6DU5-96*#
4DS8-15* 6DU5-48*#		
4DS8-15 4DU5-19#		
4DS8-15 4DU5-64#		
4DS5-19 4DU5-19#		
4DS8-64 4DU5-64#		

\* Available to customers selecting the multiplexed 4-wire DSX channel interface option and providing subsequent system and channel assignment data.

# Additional Telephone Company designation for use when the Optional Secondary Channel feature is required.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(E) High Capacity

Compatible CIs

Compatible CIs

4DS0-63	4DS0-63	4DS8-15	8DU8-B7
4DS0-63*	6DU8-A,B or C	4DS8-15J	6DU8-A
4DS0-63*	8DU8-A,B, or C	4DS8-15J	8DU8-A
4DS6-27	4DS6-27	4DS8-15K	6DU8-B
4DS6-27*	6DU8-A,B or C	4DS8-15K	8DU8-B
4DS6-27*	8DU8-A,B or C	4DS8-15K	6DU8-C
4DS6-44	4DS6-44	4DS8-15K	8DU8-C
4DS6-44*	6DU8-A,B or C	4DS8-15S	8DU8-S
4DS6-44*	8DU8-A,B or C	4DS8-31	4DS8-31
4DS8-15	6DU8-B	4DS8-31*	6DU8-A,B or C
		4DS8-31*	8DU8-A,B or C
		4DS9-15*	4DU9-BN

\* Available to customers selecting the multiplexed 4-wire DSX channel interface option and providing subsequent system and channel assignment data.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.4.1 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are flat recurring rates that apply to each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

(B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio or Video Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. The maximum rate charged to a customer will be the daily rate for each of the first two days of service plus 1/30 of the monthly rate for each additional day within a 30 day period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional feature(s) and function(s), and service rearrangements.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in 7.5 following as a nonrecurring charge for the Channel Termination rate element.

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the installation of service or at any time subsequent to the initial installation of service.

(3) Service Rearrangements

All changes to existing services will be treated as the discontinuance of the existing service and an installation of new service, except for: changes involving the additional of optional features and functions having specific nonrecurring charges, changes involving administrative activities only, or an addition to a multipoint service. An existing service is one which has been installed and does not include services which have been ordered and not yet installed. The nonrecurring charge described in (1) preceding will apply for this work activity.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge(s) will apply only to the location(s) being added. Moves that change the physical location of the point of termination are described in 7.4.5 following.

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment
- Change in billing data (name, address, or contact name or telephone number)
- Change of agency authorization
- Change of customer circuit identification
- Change of billing account number
- Change of customer test line number
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service

(A) General

Special access services provided under this tariff may be subject to the monthly Special Access Surcharge.

(B) Application

- (1) The Special Access Surcharge will apply to each interstate Special Access Service (e.g. Voice Grade Service) that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include but are not limited to wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex Co-type switch.
- (2) Special Access Service will be exempted from the Surcharge by the Telephone Company upon receipt of the Customer's written certification for the following Special Access Service terminations:
  - (a) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
  - (b) an analog channel termination that is used for radio or television program transmission; or

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(B) Application (Cont'd)

(2) (Cont'd)

- (c) a termination used for TELEX service; or
- (d) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as terminations which are restricted through hardware or software; or
- (e) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination, or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (f) a termination that the customer certifies to the Telephone Company is not connected to a PBX or to the device which interconnects the Special Access Service to a local exchange subscriber line.

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(C) Exemption of Special Access Service

- (1) Special Access Services which are terminated as set forth in 7.4.2 (B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The Certification may be provided to the Telephone Company (1) at the time the Special Access Service is ordered or installed; (2) at such time as the service is reterminated to a device which does not interconnect to the special access service to a local exchange subscriber line, or (3) at such time as the service becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.
- (2) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in 7.4.2.(B) preceding, for each termination, and the date which the exemption is effective.
- (3) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(C) Exemption of Special Access Service (Cont'd)

(4) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. However, the Telephone Company reserves the right to request additional information from the customer, when necessary, to assure qualifications for exemption of the surcharge are met. In addition, the Telephone Company may withhold exemption of the service until the dispute is resolved.

(D) Rate Regulations

(1) The Surcharge applies to each channel of a Special Access Service and per voice grade equivalent service derived from a Special Access Service as shown in the following example:

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>	<u>Surcharge</u>	<u>Monthly Charge</u>
DS1	24 X	\$25 =	\$600.00

One Surcharge will apply for each termination of a multipoint Special Access Service at a customer's designated premises minus one.

(2) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access Service installed unless exemption certification is provided as set forth in 7.4.2 (C) preceding.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(D) Rate Regulations (Cont'd)

(3) If a written certification is not received at the time the Special Access Service is obtained, the Surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations set forth in (4) following.

(4) The Telephone Company will cease Billing the Special Access Surcharge when certification, as set forth in 7.4.2(C) preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification.

(E) Rate

Monthly  
Rate

Surcharge for Special Access Service  
- Per Voice Grade Equivalent

\$25.00

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of Message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984 and released on November 9, 1984 this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in 7.5.5 following.

7.4.4 Minimum Periods

The minimum service period for all services is one month.

7.4.5 Moves

A move involves a change in the physical location of either a point of termination at a customer premises or a customer's premises. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.5 Moves (Cont'd)

(A) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements.

(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

7.4.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer redesignated premises and a Telephone Company Hub, two Telephone Company Hubs, or between the serving wire center associated with a customer designated premises and a WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

**FRONTIER COMMUNICATIONS MIDLAND, INC.****ACCESS SERVICE**7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.6 Mileage Measurement (Cont'd)

When Hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

7.4.7 Facility Hubs

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. Specific hub location information is incorporated in NATIONAL EXCHANGE CARRIER ASSOCIATION Tariff F.C.C. No. 4.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between the customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps service is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a high capacity analog or digital Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for the Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual voice grade channels.

When cascading multiplexing is performed in the same Hub, a charge for the additional multiplexing unit and the channel interface charge for the resulting lower capacity channel apply. When cascading multiplexing is performed at different hubbing locations Channel Mileage also applies between the Hubs.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges

7.5.1 Metallic

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(A) <u>Channel Termination</u> - Per Point of Termination	VGCT2	\$82.06	\$80.00
(B) <u>Channel Mileage</u>			
(1) Channel Mileage Facility per mile or fraction thereof	VGCMF	\$7.66	None
(2) Channel Mileage Termination per termination	VGCMT	\$57.21	None
(C) <u>Optional Features and Functions</u>			
(1) <u>Bridging</u>			
(a) Three Premises Bridging - Per Port		ICB	ICB
(b) Series Bridging* - Per Port		ICB	ICB
(D) <u>Reserved for Future Use</u>			

\* No additional charge applies for series bridging

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Telegraph Grade Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(A) <u>Channel Termination</u>			
- Per Point of Termination			
- Two-wire	7CT2W	\$ 40.00 (R)	\$435.00 (I)
- Four-wire	7CT4W	\$ 75.00 (R)	\$435.00 (I)
(B) <u>Channel Mileage</u>			
(1) <u>Channel Mileage Facility</u>			
- per mile or fraction thereof	7CMKQ	\$ 7.36 (R)	None
(2) <u>Channel Mileage Termination</u>			
- per termination		** (R)	None
(C) <u>Optional Features and Functions</u>			
(1) <u>Bridging</u>			
(a) Three Premises Bridging			
- Per Port		ICB	
(b) Series Bridging			
- Per Port		ICB	

\* Nonrecurring charges apply as specified in Section 5.2 preceding.

\*\* Channel Milage Termination charges are included in the per mile rate listed under Channel Mileage Facility.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(A) <u>Channel Termination</u>			
Per Point of Termination			
- Two Wire	VGCT2	82.06	\$ 80.00
- Four-wire	VGCT4	\$131.30	\$ 80.00
(B) <u>Channel Mileage</u>			
(1) <u>Channel Mileage Facility</u>			
per mile or fraction thereof	VGCMF	\$ 7.66	None
(2) <u>Channel Mileage Termination</u>			
per termination	VGCMT	\$ 57.21	None
(C) <u>Optional Features and Functions</u>			
(1) <u>Bridging</u>			
(a) <u>Voice Bridging</u>			
Two-Wire/ Four-Wire -Per Port		ICB	ICB

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**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Optional Features and Functions</u>			
(1) <u>Bridging</u>			
(b) <u>Data Bridging</u>			
Two-Wire/ Four-Wire -Per Port	7DABR	\$6.00 (R)	None
(c) <u>Telephoto Bridging</u>			
Two-Wire/ Four-Wire -Per Port		ICB	ICB
(d) <u>DATAPHONE Select-A-Station Bridging</u>			
Sequential Arrangement Ports			
- Per 2-wire channel connected		ICB	ICB
- Per 4-wire channel connected		ICB	ICB

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Optional Features and Functions</u> (Cont'd)			
(1) <u>Bridging</u> (Cont'd)			
(d) <u>DATAPHONE Select-A-Station Bridging</u> (Cont'd)			
Addressable Arrangement Ports			
- Per 2-wire channel connected		ICB	ICB
- Per 4-wire channel connected		ICB	ICB
(e) <u>Telemetry and Alarm Bridging</u>			
Active Bridging Channel Connections			
Split Band			
- Per channel connected		ICB	ICB
Summation			

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Optional Features and Functions</u> (Cont'd)			
(1) <u>Bridging</u> (Cont'd)			
(e) <u>Telemetry and Alarm Bridging</u> (Cont'd)			
- Per channel connected		ICB	ICB
Passive Bridging Channel Connections			
- Per channel connected	7TMAB	\$ 15.37	ICB
(2) <u>Conditioning</u>			
- Per Point of Termination			
C - Type	7DC	\$4.05 (R)	\$180.00
Sealing Current	7SC	None	None
(3) <u>Improved Return Loss for Effective two-wire or four-wire transmission.</u>			
- per point of termination		ICB	\$280.00

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(C) <u>Optional Features and Functions</u> (Cont'd)			
(4) <u>Customer Specified Receive Level</u> - per two-wire point of termination		ICB	\$170.00
(5) <u>Multiplexing</u>  Voice to Telegraph Grade (43 Type Carrier) - per arrangement		ICB	\$345.00
(6) <u>Reserved for Future Use</u>			
(7) <u>Data Capability</u> - per Point of Termination	7DACA	\$ 1.40 (R)	\$225.00
(8) <u>Telephoto Capability</u> -per Point of Termination		ICB	\$300.00

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

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

(9) Channel Interface

- per point of Termination

<u>CI</u>	<u>Monthly Rate</u>
AB	None
AC	None
CT	None
DA	None
DB	None
DC	None
DE	None
DS	None
DU	None
DX	None
DY	None
EA	None
EB	None
EC	None
EX	None
GO	None
GS	None
LA	None
LB	None
LC	None
LO	None
LR	None
LS	None
NO	None
PG	None
PR	None
RV	None
SF	None
TF	None
TT	None
TV	None

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

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

(10) Nonrecurring Charges  
-per Voice Grade  
package installed

<u>Package</u> <u>VG-</u>	<u>Nonrecurring</u> <u>Charge</u>
1	ICB
2	\$425.00
3	\$425.00
4	\$425.00
5	\$425.00
6	\$425.00
7	\$425.00
8	\$425.00
9	\$425.00
10	ICB
11	\$425.00

<u>USOC</u>	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>
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(11) Selective  
Signaling  
Arrangement  
- Per  
Arrangement

ICB	ICB
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FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

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

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(12) <u>Transfer Arrangement</u> (key activated* or dial up)** - Per four port arrangement including control channel termination***		ICB	ICB
- Per five port arrangement including control channel termination***		ICB	ICB

\* 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 a Controller Arrangement.

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

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Digital Data Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(A) <u>Channel Termination</u>			
- Per Point of Termination			
56 kbps	7CT56	\$82.11 (R)	\$425.00 (I)
(B) <u>Channel Mileage</u>			
(1) <u>Channel Mileage Facility</u>			
- Per Mile or fraction thereof			
56 kbps	7CM56	\$20.24 (I)	*
(2) <u>Channel Mileage Termination</u>			
- Per Termination			
56 kbps	7CM56	**	*
(C) <u>Optional Features and Functions</u>			
(1) <u>Digital Data Bridging.</u>			
- Per Port	7DDBR	N/A	N/A
(2) <u>Loop Transfer Arrangement.</u>			
- Per Arrangement		N/A	N/A
(3) <u>Secondary Channel</u>			
- Per Circuit	7D4SC	N/A	N/A

\* Nonrecurring charges are as specified in Section 5.2 preceding and Section 13.2 following, where applicable.

\*\* Channel Mileage Termination charges are included in the per mile rate listed under Channel Mileage Facility.

**FRONTIER COMMUNICATIONS MIDLAND, INC.**

**ACCESS SERVICE**

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 High Capacity Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>First</u>	<u>Additional</u>
<b>A. <u>Channel Termination Services</u></b>				
1. <u>Channel Termination, Month-to-Month</u>				
-Per Point of Termination				
1.544 Mbps	7CT15	\$225.00 (R)	\$746.00	\$646.00
<b>B. <u>Fiber Ring Loop Diversity (FLD)</u></b>				
1. <u>Month to Month</u>				
1.544 Mbps	7FLR1	\$200.00	\$746.00**	\$646.00
<b>C. <u>Channel Mileage</u></b>				
1. <u>Month to Month</u>				
1.544 Mbps				
Facility Term Fixed	7FT01	N/A	None	
Facility Mileage per 1/4 Mile	7CM15	\$ 8.84 (R)	None	

\* Nonrecurring charges are specified in Section 5.2, preceding.

\*\* Nonrecurring charges apply when the FLD option is not installed at the same time as a channel termination.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 High Capacity Service (Cont'd)

<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
D. <u>Optional Features and Functions</u>		
1. <u>Multiplexing</u>		
DS4 to DS1, - per arrangement	ICB	ICB
DS3 to DS1, - per arrangement	N/A	N/A
DS2 to DS1, - per arrangement	ICB	ICB
DS1C to DS1, - per arrangement	ICB	ICB
DS1 to Voice, * - per arrangement	N/A	N/A

\* A channel of this DS1 to the Hub can be used for Digital Data service.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 High Capacity Service (Cont'd)

D. Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
1. <u>Multiplexing</u> (Cont'd)			
DS1 to DS0			
- per arrangement	7OFF0	N/A	N/A
DS0 to Subrates			
- per arrangement			
- Up to 20			
2.4 Kbps services		ICB	ICB
- Up to 10			
4.8 Kbps services		ICB	ICB
- Up to 5			
9.6 Kbps services		ICB	ICB
2. <u>Automatic Protection Switching</u> , **			
- per arrangement	7APHC	ICB	ICB

\*\* Requires a duplicate 1.544 Mbps service

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 High Capacity Service (Cont'd)

D. Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
3. <u>Clear Channel Capability</u> - Per High Cap. ckt. (i.e. 24 Channels)	None	None	\$490.00
4. <u>Digital Cross Connect</u> - per arrangement	None	None	\$115.00
5. <u>Fractional T-1</u> <u>2 x 56/64 Kbps</u> - per arrangement			
Port	7FT2X	\$55.00	*
Link	7FTLK	\$45.00	*
<u>3 x 56/64 Kbps</u> - per arrangement			
Port	7FT3X	\$62.00	*
Link	7FTLK	\$45.00	*

\* Nonrecurring charges are as specified in Sections 5.2 and 7.5.8 preceding, where applicable.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 High Capacity Service (Cont'd)

D. Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
5. <u>Fractional T-1</u> (Cont'd)			
<u>4 x 56/64 Kbps</u>			
- per arrangement			
Port	7FT4X	\$68.00	*
Link	7FTLK	\$45.00	*
 <u>5 x 56/64 Kbps</u>			
- per arrangement			
Port	7FT5X	\$75.00	*
Link	7FTLK	\$45.00	*
 <u>6 x 56/64 Kbps</u>			
- per arrangement			
Port	7FT6X	\$81.00	*
Link	7FTLK	\$45.00	*

E. Reserved for Future Use

\* Nonrecurring charges are as specified in Sections 5.2 and 7.5.8 preceding, where applicable.

FRONTIER COMMUNICATIONS MIDLAND, INC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.6 Message Station Equipment Recovery Charge

	<u>USOC</u>	<u>Monthly Rates</u>
(A) <u>Message Station Equipment Recovery Charge</u>		
- Per Special Access Surcharge Assessed	7MSRC	\$ 0.00

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Services

The Telephone Company will provide the following services at the request of the I.C.:

(A) Recording Service

(B) Billing Service

8.1 Recording Service

8.1.1 General Description

Recording Service is the recording of the details of an end user message for the customer.

The term "customer message" denotes a completed call originated by a customer's end user. A customer message begins when answer supervision from the premise of the ordering customer is received by Telephone Company recording equipment indicating that the called party has answered. A customer message ends when disconnect supervision is received by Telephone Company recording equipment from either the premise of the ordering customer or the customer end user premises from which the call originated.

A description of each Recording Service rate element follows.

(A) Recording

Recording is the entering on magnetic tape or other acceptable media the details of customer messages originated through Switched Access Service. Recording is provided 24 hours a day, 7 days a week. The rate is applied based on each message recorded and is applied to both Message Telephone Service and WATS services. Rates for Recording are set forth in 8.3(A).

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.1 Recording Service (Cont'd)8.1.1 General Description (Cont'd)(B) Assembling and Editing

Assembling and Editing is the aggregation of the recorded customer message detail to create individual messages and verify that the data necessary for rating is present. This rate is applied whenever the customer orders Recording service or when the customer provides recorded detail which must be converted to the Telephone Company's standard format prior to rating. Rates for Assembling and Editing are set forth in 8.3(B).

(C) Provision of Message Detail

Provision of Message Detail is the provision of recorded, assembled and edited message detail to the customer. The information provided will be sorted by end user telephone number and include name and address information so the customer has sufficient detail for billing their end users. Except for lost or damaged records, the recorded detail will be available to the customer not more than five business days after the date all the detail requested by the customer was processed by the Telephone Company. The Telephone Company will provide this information on magnetic tape to the customer. The charge for each magnetic tape utilized will apply.

Where available and when requested by the customer, the assembled and edited customer message detail will be data transmitted to the customer. The charge for data transmission set forth in 8.3(H) will apply. Rates for Provision of Message Detail are set forth in 8.3(C).

8.1.2 Undertaking of the Telephone Company

- (A) The Telephone Company will provide Recording Service in its operating territory. The minimum territory for which the Telephone Company will provide this service in all offices

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company (Cont'd)

(A) (Cont'd)

where the customer has ordered Switched Access Service.

(B) The Telephone Company will record all customer messages carried over Feature Group C Switched Access Service. The recording equipment will be provided at locations selected by the Telephone Company. Assembly and editing will be performed on all messages recorded during the billing period established by the Telephone Company. Except as set forth in 8.1.2(F) and 8.1.3 following, recorded message detail from previous billing periods will not be recovered and made available to the customer.

(C) A standard format for the provision of the recorded message detail will be established by the Telephone Company and provided to the customer. If, in the course of Telephone Company business, it is necessary to change the format, the Telephone Company will notify the customer six months prior to the change.

(D) Sorting, as described in the Provision of Message Detail rate element, will be provided to the customer contingent on the customer furnishing the Telephone Company with any additional information which may be needed in order to perform these services.

(E) At the request of a customer, magnetic tapes containing the recorded message details will be provided to the customer as part of Recording Service. The Telephone Company will supply the magnetic tapes at the rate described in Section 8.3(D). Unless specified otherwise by the customer,

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.1 Recording Service (Cont'd)

8.1.2 Undertaking of the Telephone Company (Cont'd)

(E) (Cont'd)

the magnetic tapes will be sent to the customer via first class mail. However, the customer may pick up the magnetic tapes at a location designated by the Telephone Company.

(F) The Telephone Company will retain message detail for forty-five days from the date the detail was initially made available to the customer. At the customer's request, within the forty-five day period, the Telephone Company will provide previously recorded and provided message detail to the customer. All applicable charges will apply for the provision of this service as if the information was being provided for the first time.

(G) If customer message detail is data transmitted to a customer location, the rate for Data Transmission described in Section 8.3(H) will apply.

8.1.3 Liability of the Telephone Company

(A) Any liability described here is in addition to the liability described in Section 2.1.3.

(B) If customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will estimate the volume of lost customer messages and associated revenue based on previously known values. This estimated customer message volume will be included along with the customer message detail provided to the customer and/or provided for Rating Service. Appropriate credit adjustments

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.1 Recording Service (Cont'd)

8.1.3 Liability of the Telephone Company (Cont'd)

(B) (Cont'd)

will be made to the customer amounts due to account for the customer's unbillable revenue. The Company's liability is limited to the granting of a corresponding credit adjustment to the customer amount due to account for the unbillable revenue.

(C) When the Telephone Company, due to error or omission, provides incomplete data to a customer, the Telephone Company will make every reasonable effort to recover the data at no additional charge. Such request to recover the data must be made within 30 days from the date the details were initially made available to the customer. If the data cannot be recovered, the extent of the Telephone Company's liability for damages shall be limited as set forth in (B) preceding.

(D) In the absence of willful misconduct, no liability for damages to the customer or other person other than as set forth in (B) and (C) preceding shall be assumed by the Telephone Company.

8.1.4 Obligations of the Customer

(A) The customer shall order Recording Service from the Telephone Company. No charges apply for the processing of an order except as described in Section 8.1.5 for minimum periods and minimum monthly charges.

The customer shall order Recording Service at least one month prior to the date when the customer message detail is to be recorded.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.1 Recording Service (Cont'd)

8.1.4 Obligation of the Customer (Cont'd)

- (B) The customer shall order Provision of Message Detail at least one month prior to the period when it wishes to receive the recorded message detail. If a change in the method of provision of recorded customer message detail is requested, the Telephone Company will make its best effort to accommodate the request within one month of receiving written notification from the customer.
- (C) The premises of the ordering customer shall provide the signals necessary to properly operate the Telephone Company's automatic message accounting equipment used to perform the detail recordings.

8.1.5 Payment Arrangements and Audit Provision

(A) Audit Provision

With a minimum of two weeks written notice to the Telephone Company, the customer shall have the right to audit, during normal business hours and at reasonable intervals as determined by the Telephone Company, all records and accounts which contain information concerning the recording of messages for which amounts may be payable to the customer. Adjustments shall be made by the proper party to compensate for any errors disclosed by the audit.

All information reviewed by the customer is confidential and is not to be distributed, provided or disclosed in any form to anyone not involved in the audit, nor is such information to be used for any other purpose.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision (Cont'd)

(B) Minimum Period and Minimum Monthly Charge

The minimum period for which Recording Service is provided and for which charges apply is one month.

The minimum monthly charges are the charges for each rate element ordered by the customer for a 30 day period. If service is terminated prior to the completion of the initial month of service, the Telephone Company will estimate the minimum charge for each rate element using the most recent data available. Actual data for the period service was provided will be utilized to determine an amount per day. The amount per day will be multiplied by 30 to determine the minimum charge.

(C) Cancellation of an Order for Service

A customer may cancel an order for Recording Service on any date prior to the service date without incurring cancellation charges. If verbal notice of the cancellation is given, the verbal notice must be followed by written confirmation within 10 days. The service date for Recording Service is the date the customer requests that recording start. Minimum monthly charges as described in 8.1.5(B) apply if service is cancelled on or after the service date. No other cancellation charges apply.

(D) Changes to Orders for Service

When a customer requests non-material changes to a pending order for Recording Service, the requested change will be made to the existing order. Non-material changes which will be accommodated under an existing order include changes to customer name, address, and the location where Recording Service output will be provided. If the existing order must

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.1 Recording Service (Cont'd)

8.1.5 Payment Arrangements and Audit Provision (Cont'd)

(D) Changes to Orders for Service (Cont'd)

be cancelled due to material changes, and a new order issued, all minimum monthly charges will apply to the cancelled order.

8.2 Billing Service

8.2.1 General Description

Billing Service consists of the rating of customer messages, the billing and collection of customer charges to end users and maintenance of the end user files and software modifications necessary to provide these services. A description of each Billing Service rate element follows.

(A) Rating Service

Rating Service is a charge per message for transforming the recorded, assembled and edited end user message details into rated messages in preparation for billing. Rating will be performed based on the customer provided schedule of rates for both Message Telephone Service and WATS service. Upon completion, rated messages will be provided to the customer for billing unless the customer orders Bill Processing Service from the Telephone Company. Rated messages are ready for input to the Bill Processing Service of the Telephone Company. Rates for Rating Service are set forth in 8.3(E).

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.2 Billing Service (Cont'd)

8.2.1 General Description (Cont'd)

(B) Bill Processing Service

- (1) Bill Processing Service is a charge per message for the preparation and mailing of bills, and collection of amounts due from end users for their use of the customer's service.
- (2) If a contractual arrangement can be mutually agreed upon, the Telephone Company will purchase from the customer the accounts receivable that arise from bills rendered by the Telephone Company to that customer's end users. If arrangements cannot be agreed on, the Telephone Company will act as billing agent in the provision of Bill Processing Service.
- (3) Subject to procedures established by the customer, the Telephone Company will answer end user questions about charges billed for customer services, apply credits and adjustments to end user accounts and review customer messages removed from an end user's bill.
- (4) Treatment of accounts is also provided as a part of this rate element. Treatment of accounts is the forwarding of notices to the end user of delinquent or unpaid end user accounts, posting of credits and adjustments. Rates for Bill Processing Service are set forth in 8.3(F).

(C) Special Billing Service

When Bill Processing Service is provided where the bill cannot be included with the monthly bill for local service, a charge for Special Billing Service also applies. This situation occurs

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

8. Billing and Collection Services (Cont'd)8.2 Billing Service (Cont'd)8.2.1 General Description (Cont'd)(C) Special Billing Service (Cont'd)

when credit card charges are not associated with an end user common line or when the billing is performed for a dedicated facility such as a Special Access Service or a WATS Access Line. Rates for Special Billing Service are set forth in 8.3(G).

(D) Data Transmission

Data Transmission charges apply for each message received or transmitted from or to another exchange telephone company for the purpose of billing the end user. Rates for Data Transmission are set forth in 8.3(H).

(E) Provision of Sample Message Data

Provision of Sample Message Data, when requested by the customer, will be provided at the rate described for each message provided. This rate element is utilized in the provision of CMDS data if requested. If, at the request of the customer, the sample information is provided on magnetic tape, the charge for each magnetic tape utilized will apply. Rates for Provision of Sample Message Data are set forth in 8.3(I).

(F) Program Development

Program Development charges will apply when changes requested by the customer must be made in the rating program of the Telephone Company in order to provide Rating Service. If requested, the company will estimate the charges for making the required changes prior to accepting an order from the customer authorizing the changes. The time incurred in preparing the estimate will be billed to the customer at the established hourly rate. Rates for Program Development are set forth in 8.3(J).

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.1 General Description (Cont'd)

(G) Message-Billed Service

The Message-Billed Service charge per bill rendered applies each month that one or more messages or related rate elements are billed to an end user. When both interstate and state customer messages are billed by the Telephone Company to the end user on the same bill, the Message Billed Service charge times 0.5 applies each month. When more than one copy of the end user bill is provided to the end user, the Message-Billed Service charge applies for each additional copy of the end user bill provided. Rates for Message-Billed Service are set forth in 8.3(K).

8.2.2 Undertaking of the Telephone Company

(A) General

The minimum territory for which the Telephone Company will provide Billing Service is each individual exchange area in its operating territory.

(B) Rating Service

- (1) When Rating Service is ordered by a customer, the Telephone Company will process all of the customer messages it possesses.
- (2) The Telephone Company will provide Rating Service only for customer sent paid messages originating within the operating territory of the Telephone Company or received collect messages which must be processed prior to billing. The customer messages which the Telephone Company will process may be customer messages from Recording Service as set forth in 8.1 preceding, or other customer messages which are chargeable in accordance with the rate schedule furnished by the customer.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

- (3) A record of customer call detail is required to provide Rating Service. When a customer subscribes to Recording Service and Assembling and Editing, recorded details may be used as the input. When the customer provides the call details, the records must be in the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. The charges for Data Transmission will apply if the customer data-transmits its call details to the Telephone Company. If the customer provided records must be converted by the Telephone Company to the standard format, and the Telephone Company agrees to make the conversion, the Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs. When the customer provided records must be converted, the Assembling and Editing charge, described in Section 8.1, applies in addition to all other charges. The Telephone Company will provide to the customer the precise details of the required standard format. If, in the course of Telephone Company business, it is necessary to change the standard format, the Telephone Company will notify the customer six months prior to the change. If, due to customer error, customer provided call details must be reprocessed, all appropriate charges will apply.
- (4) The Telephone Company will develop the customer's schedule of rates into a rating program. Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

- (5) Upon acceptance by the Telephone Company of an order for Rating Service, the Telephone Company will determine the period of time to implement such service on an individual order basis.
- (6) Changes to the Telephone Company billing programs necessary to properly apply the customers rates will normally be implemented within 30 days after receipt of an order for service from the customer. If the Telephone Company determines that it will be unable to implement the changes within 30 days, the customer will be notified of the conditions and period of time required. If any message detail must be reprocessed in order to apply the customer's rate changes, the appropriate Rating Service charges will apply.
- (7) Where the Telephone Company has rated customer messages which are to be billed to an end user by another Exchange Telephone Company, the Telephone Company will transmit the data to a location specified by the customer. Applicable Data Transmission charges and, if requested by the customer, magnetic tape charges will apply.
- (8) Where the rates for the customer's services have been implemented under an accounting order pending final approval from a regulatory agency, the Telephone Company will, upon written request from the IC, keep such records as may be required to make any adjustments to the end user accounts as may be ordered by the regulatory agency. The charges for such service will be determined on an individual case basis.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(B) Rating Service (Cont'd)

- (9) If the customer requests that the Telephone Company furnish rated message detail rather than ordering Bill Processing Service, the data will be provided in a format similar to that used by the Telephone Company as input to Bill Processing Service unless the customer has also ordered the Provision of Message Detail described in Section 8.1.

Program Development charges apply for the hours required to design, develop, test and maintain the necessary programs to provide this service.

(C) Bill Processing Service

- (1) When Bill Processing Service is ordered by a customer, the Telephone Company will establish and maintain end user accounts and prepare and render bills for all customer messages, and related rate elements it possesses.
- (2) The Telephone Company will not render bills under this tariff for the provision and/or delivery of telegrams, flowers, gifts, wine or other like services that a customer offers to his end users.
- (3) Rated customer messages are required to provide Bill Processing Service. If the customer subscribes to Rating Service, the rated messages may be used as the input.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.2 Undertaking of the Telephone Company (Cont'd)

(C) Bill Processing Service (Cont'd)

If the customer provides the rated messages, those messages must be in the standard format established by the Telephone Company and delivered to the location specified by the Telephone Company. If the Telephone Company must convert customer provided messages to the standard format, all applicable program development charges will apply.

- (4) The Telephone Company will accept customer gift certificates for payment from end users if the customer agrees in writing to redeem all such gift certificates. The format of the gift certificate must be acceptable to the Telephone Company.
- (5) Unbillable messages will be handled in accordance with instructions that have been mutually determined by the Telephone Company and the customer.
- (6) The Telephone Company will make adjustments to end user balances as authorized by customer-approved procedures or the specific instruction of the customer.
- (7) The customer agrees to permit the Telephone Company to determine and collect customer service deposits from all customer's end users in accordance with the Telephone Company's deposit regulations. The customer will notify its end users through its tariffs or other means that the Telephone Company will determine and collect customer service deposits.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Services (Cont'd)

8.2 Billing Service (Cont'd)

8.2.3 Liability of the Telephone Company

(A) Rating Service and Bill Processing Service

- (1) If message detail recorded by the Telephone Company or provided by the customer is lost through the negligence of the Telephone Company and cannot be replaced or recovered, the necessary information will be estimated as set forth in Section 8.1.3(B).
- (2) Errors in end user billing, when identified, will be corrected within sixty days. End user billing will be corrected for a retroactive period not to exceed three years from the date the error is discovered.
- (3) In the absence of willful misconduct, the Telephone Company shall have no liability other than that described in (1) and (2) above.

8.2.4 Obligation of the Customer

(A) Rating Service and Bill Processing Service

- (1) The customer shall be responsible for collecting all balances due from end users that existed prior to ordering Bill Processing Service.
- (2) Rating Service and Bill Processing Service must be ordered for renewable one year periods. Six months, prior to the end of each one year period, the customer must provide written notice if service is to be discontinued at the end of the period. If notification is not received, the Telephone Company will automatically extend the services for another year and notify the customer that service has been extended. The rates which apply will be those in effect during the period when service is provided. These rates will not necessarily be the same as those in effect at the time service was ordered.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection Service (Cont'd)

8.2 Billing Service (Cont'd)

8.2.4 Obligation of the Customer (Cont'd)

(A) Rating Service and Bill Processing Service  
(Cont'd)

- (3) When Rating Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages to be rated monthly.

When Bill Processing Service is ordered, the customer shall furnish the Telephone Company an estimate of the number of messages for which billing is to be provided each month.

- (4) The customer shall furnish all information necessary for the Telephone Company to provide the Bill Processing Service including a statement which identifies all taxes which should be applied to the customer's services.
- (5) The customer shall furnish a written schedule of its rates and charges in sufficient time to allow the Telephone Company to establish a rating program. The interval required to establish a rating program must be mutually agreeable to the Telephone Company and the customer.
- (6) When the customer orders Bill Processing Service, the Telephone Company will be provided written instructions for the handling of end user questions about bills.

Credit adjustments to end user accounts will be made subject to the written procedures provided by the customer or specific instructions of the customer which identify the date and amount of the message to be credited.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.2 Billing Service (Cont'd)

8.2.5 Payment Arrangements and Audit Provisions

(A) Audit Provisions

Audit provisions apply as specified in Section 8.1.5(A) preceding.

(B) Minimum Period

The minimum period for which Billing Service is provided and for which charges apply is one year. If service is terminated prior to the completion of the one year period, the Telephone Company will estimate the minimum charge for each rate element by determining the average usage per day for the period service was provided and multiplying the amount by the number of days remaining in the minimum period.

If the rates for billing service are increased during the period for which service is ordered, the customer may, upon 30 days written notice to the Telephone Company, cancel service effective on the day billing service rates change without incurring cancellation charges. If timely notice of cancellation is not received, the existing minimum period will not be effected by the rate change.

(C) Cancellation of an Order for Service

A customer may cancel an order for Billing Service on any date prior to the service date. If verbal notice of the cancellation is given, the verbal notice must be followed by written confirmation within ten (10) days. The service date for Billing Service is the date the customer requests that the service start. A charge equal to all program development costs and any nonrecoverable capital costs incurred by the Telephone Company will apply to the customer.

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

8. Billing and Collection Service (Cont'd)

8.2 Billing Service (Cont'd)

8.2.5 Payment Arrangements and Audit Provisions (Cont'd)

(D) Changes to Special Orders

When a customer requests changes to a pending order for Billing Service, and the change can be accommodated by the Telephone Company, the requested change will be made. A charge equal to any costs incurred by the Telephone Company because of the change will apply.

8.2.6 Rate Regulations

(A) When message detail is entered on a data file or magnetic tape to be provided to a customer, the per tape charge applies for each data file or tape prepared and the per record charge applies for each record processed. Each message is considered a record.

(B) The basic per hour rate and the premium per hour rate for program development is for the use of one hour of one programmer's time. Premium rates apply when program development is performed outside normally scheduled working hours.

The Telephone Company will keep a count of the hours and fractional hours used to provide program development. The hours for each service ordered will be summed and then rounded to the nearest hour with a minimum charge of one hour. The customer will be billed in accordance with these records.

(C) The rates charged for the services provided under this tariff will be those in effect at the time service is provided.

## FRONTIER COMMUNICATIONS-MIDLAND, INC.

## ACCESS SERVICE

8. Billing and Collection (Cont'd)8.3 Rates and Charges

	<u>Rates</u>	<u>Tariff Section Reference</u>
(A) Recording, per customer message	\$0.0285	8.1.1(A)
(B) Assembling/Editing, per customer message	\$0.0095	8.1.1(B)
(C) Provision of Message Detail, per message	ICB	8.1.1(C)
(D) Magnetic Tape, per tape	\$42.75	8.1.1(C) and 8.2.1(E)
(E) Rating Service, per message	\$0.0143	8.2.1(A)
(F) Bill Processing Svc., per message	\$0.1479	8.2.1(B)
(G) Special Billing Service, per bill	\$1.045	8.2.1(C)
(H) Data Transmission, per message	\$0.0086	8.2.1(D)
(I) Provision of Sample Message Data, per record processed	\$0.0067	8.2.1(E)
(J) Program Development		
Basic per hour	\$57.00	8.2.1(F)
Premium per hour	\$80.75	8.2.1(F)
(K) Message Billed Service, in which one or more messages or message service related rate elements are billed, per bill rendered to a customer end user account per month	N/A	8.2.1(G)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

8. Billing and Collection (Cont'd)

8.4 Billing and Collection Service Under Contract

(N)

8.4.1 General

Billing and Collection Services may be provided under an individual contract with an individual customer subject to the conditions in 8.4.2 following.

Where service is provided under an individual agreement, service undertakings, service descriptions, charges, and terms and conditions will be tailored to the needs of the individual customer and will be contained in the individual contractual agreement. Provisions of the agreement apply in lieu of any provisions applicable to Billing and Collection Services found elsewhere in this tariff.

The receipt of any contract or amendment to a contract established under this tariff shall not constitute approval of all terms and provisions therein. The commission retains jurisdiction to investigate on its own motion or upon complaint any contractual term or provision under which the tariffed service is offered, and to take any necessary action pursuant to investigation, including issuing orders.

8.4.2 Conditions for Individual Contractual Agreements

The following conditions are required for the provision of Billing and Collection Services under contract:

- (1) Charges for services provided on a contractual basis must be compensatory.
- (2) Within 20 days after a contract or amendment to a contract established under this tariff has been executed, such contract or amendment will be submitted to the Illinois Commerce Commission.

(N)

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

**Reserved for Future Use**

**9. Reserved for Future Use**

**FRONTIER COMMUNICATIONS-MIDLAND, INC.****ACCESS SERVICE**10. Special Federal Government Access Services10.1 General

This section covers Special Access Services that are provided to a customer which is an agency or branch of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and Presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet Presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company or customer.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (included commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters").
- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad. (Includes space vehicle recovery and protection efforts.)
- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance.
- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a Military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately.
- Political unrest in foreign countries which affect the national interest.
- Presidential service.

10.3 Intervals to Provide Service

Services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.2.1(B) preceding.

10.4 Reserved for Future Use

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.5 Safeguarding of Service

10.5.1 Reserved for Future Use

10.5.2 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service.

In order to meet the requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.6 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provision of this tariff to provide their services to the Federal Government.

10.7 Reserved for Future Use

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for these services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

10.8.1 Type and Description

(A) Voice Grade Special Access Services

(1) Voice Grade Secure Communications Type I

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between and IC premises and an End User's premises. Services are conditioned as follows:

T-3 conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15db at 10 Hz  
13db at 100 Hz  
9db at 1,000 Hz  
20db at 10,000 Hz  
30db at 50,000 Hz

FRONTIER COMMUNICATIONS-MIDLAND, INC.

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government (Cont'd)

10.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(1) Voice Grade Secure Communications Type I (Cont'd)

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0dB at 1,000 Hz

± 1 dB between 1,000 Hz and 40,000 Hz

± 2 dB between 10Hz and 50,000 Hz

(+ means more loss)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling of supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between an IC premises and an End User's premises. Services are conditioned as follows:

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government (Cont'd)

10.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(2) Voice Grade Secure Communications Type II (Cont'd)

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type 1 services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between an IC premises switch and an End User's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an End User's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an End-User's premises to the switch shall be the same as the Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government (Cont'd)

10.8.1 Type and Description (Cont'd)

(A) Voice Grade Special Access Services (Cont'd)

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communication between two IC premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

10.8.2 Mileage Application

Mileage, when used for rate application between two customer designated premises, shall be determined by the V and H Coordinates Method as set forth in EXCHANGE CARRIER ASSOCIATION TARIFF FCC No. 4.

FRONTIER COMMUNICATIONS-MIDLAND, INC

ACCESS SERVICE

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government (Cont'd)

10.8.3 Rates and Charges

(A) Voice Grade Special Access Service

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Special Access Service. Separate narrowband or voice grade services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this tariff.

<u>Voice Grade Secure Communications</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
Type I, each T-3 Conditioning,	GCA	ICB rates and charges apply		
Additional Conditioning, per Service termination	GTO	ICB rates and charges apply		
Type II, each G-1 Conditioning,	GCB	ICB rates and charges apply		
Type III, each G-2 Conditioning,	GCC	ICB Rates and charges apply		
Additional Conditioning, per service termination	G20	ICB rates and charges apply		
Type IV, each G-3 Conditioning,	GCD	ICB rates and charges apply		
Additional Conditioning, per service termination	G30	ICB rates and charges apply		

**FRONTIER COMMUNICATIO-S-MIDLAND, INC.**

**ACCESS SERVICE**

10. Special Federal Government Access Services (Cont'd)

10.8 Service Offerings to the Federal Government (Cont'd)

10.8.3 Rates and Charges (Cont'd)

(B) Reserved for Future Use

(C) Move Charges

When services without a termination charge associated with it, as set forth in (A) and (B) preceding, is moved to a different building, the nonrecurring charge applies, when moved to a new location in the same building, a charge of one-half of the nonrecurring charge applies.

When service with a termination charge associated with it, as set forth in (A) and (B) preceding, is moved and is reinstalled at a new location, the customer may elect:

- (1) to pay the unexpired portion of the termination charge for the service, if any, with the application of a nonrecurring charge for such service at the new location, or
- (2) to continue service subject to the unexpired portion of the termination charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move Charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration and any other specific items of cost directly attributable to the move.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

11. Special Facilities Routing of Access Services

11.1 Description of Special Facilities Routing of Access Services

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved, when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service or Special Federal Government Access Service in a manner which includes one or more of the following conditions:

11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes.

11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

11.1.3 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities. In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6 preceding; Narrowband, Voice Grade and Wideband Analog Special Access Services as set forth in 7.2.1, 7.2.2, and 7.2.5 preceding and Special Federal Government Access Services as set forth in Section 10.8 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6 preceding; Voice Grade Special Access Services as set forth in 7.2.2 preceding and Special Federal Government Access Services as set forth in Section 10.8 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

11. Special Facilities Routing of Access Services (Cont'd)

11.1 Description of Special Facilities Routing of Access Services (Cont'd)

11.1.3 Cable-Only Facilities (Cont'd)

In order to avoid the compromise of special routing information, the Telephone Company will only provide the required routing information for each specifically routed service to the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2 Rates and Charges for Special Facilities Routing of Access Services

The rates and charges for Special Facilities Routing of Access Services are as follows:

11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an Individual Case Basis.

11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an Individual Case Basis.

**FRONTIER COMMUNICATIONS-MIDLAND, INC.**

**ACCESS SERVICE**

11. Special Facilities Routing of Access Services (Cont'd)

11.2 Rates and Charges for Special Facilities Routing of Access Services (Cont'd)

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an Individual Case Basis.

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an Individual Case Basis.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements

12.1 General

Specialized Service may be provided by the Telephone Company, at the request of a customer, on an Individual Case Basis, if such service or arrangements meet the following criteria:

- The requested service or arrangements are not offered under other sections of this tariff.
- The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- The requested service or arrangements are provided within concurring carrier territories.
- The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

12.1.1 Reserved for Future Use

12.1.2 Definitions

Certain terms used in this Section 12 are defined as follows:

Actual Cost - The term "Actual Cost" denotes all costs charged against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.1 General (Cont'd)

12.1.2 Definitions (Cont'd)

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

Facilities - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide interstate services.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

Net Salvage - The term "Net Salvage" denotes the estimated scrap, sale, or trade-in values, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.1 General (Cont'd)

12.1.2 Definitions (Cont'd)

Nonrecoverable Cost - The term "Nonrecoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the service be terminated.

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

Recoverable Cost - The term "Recoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.1 General (Cont'd)

12.1.3 Move Charges

When service without a maximum terminating liability charge associated with it is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When service with a maximum termination liability charge associated with it is moved and is reinstalled at a new location, the customer may elect:

- to pay the unexpired portion of the maximum termination liability charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability charge for such service at the new location, or,
- to continue service subject to the unexpired portion of the maximum termination liability charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations

12.2.1 Filing of Charges

Rates, charges and liabilities for specialized service to provide facilities for use for one month or more are filed in Section 12.3 following, as appropriate.

Rates, charges and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

12.2.2 Ownership of Facilities

The Telephone Company providing specialized service under the provisions of this tariff retains ownership of all such facilities.

12.2.3 Interval to Provide Facilities

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specialized service. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.

12.2.4 Specialized Service Involving Both Interstate and Intrastate Facilities

When specialized service involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide interstate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide intrastate service shall be in accordance with the appropriate intrastate tariff.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.5 Payments for Specialized Service

12.2.5.1 Payment of Charges

All bills associated with specialized service charges are due in accordance with the regulations set forth in this tariff.

12.2.5.2 Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the date after the facilities are made available for use. Billing accrues through and includes the day that the specialized service facilities are discontinued.

12.2.5.3 Credit Allowance for Service Interruptions

In the event of a service interruption involving specialized service facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions set forth in this tariff.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified in 12.2.6.4(A)(4) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company received written authorization for the replacement from the customer.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service

12.2.6.1 General

This section describes the various charges and liabilities that may apply when the Telephone Company provides specialized service in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction.

12.2.6.2 Conditions Requiring Specialized Service

Specialized service is required when 1) facilities suitable to the customer are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facility requested.
- It is required that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is required that construction be expedited, resulting in added cost to the Telephone Company.

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ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.3 Development of Liabilities and Charges

Specialized service charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled service date when actual costs are requested, an initial specialized service filing may be made based on estimated costs. Such a filing will be revised when actual costs are available.

12.2.6.4 Types of Liabilities and Charges

Depending on the specifics associated with each individual case, one or more of the following specialized service charges and/or liabilities may be applicable:

(A) Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

- (1) A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a specialized service case and the associated tariff filing.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(A) Nonrecurring Charge (Cont'd)

- (2) A nonrecurring charge may include an expediting charge when it is requested that specialized service be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and non-expedited construction.

(3) Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specialized service. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specialized service.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(A) Nonrecurring Charge (Cont'd)

(4) Replacement Charge

If any portion of specialized service for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specialized services. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(5) Rearrangement Charge

If the Telephone Company is requested to rearrange existing specialized services, a nonrecurring charge equal to the cost of any additional special construction will apply.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(A) Nonrecurring Charge (Cont'd)

(6) Specialized Services for Use for Less Than One Month

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and other costs associated with the construction of the facilities.

(B) Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specialized service and is the maximum amount which could be applied as a Termination Charge is all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(B) Maximum Termination Liability and Termination Charge  
(Cont'd)

The liability period is equal to the initial period of time over which the customer has agreed to lease the specialized service. The liability period is generally expressed in terms of an effective and expiration date.

The Maximum Termination Liability is filed with the initial tariff filing and decreases in monthly increments over the course of the liability period. In the event that a customer discontinues use of all specialized service prior to the expiration of the liability period, the Maximum Termination Liability charge shall be computed as follows:

the ratio of the number of months remaining in the liability period multiplied by the Maximum Termination Liability.

At the expiration of the liability period for the specialized service, the customer may elect to extend the use of the specially constructed facilities. A customer shall not be subject to a Maximum Termination Liability charge for use of such facilities beyond the liability period but shall pay such recurring and nonrecurring charges as may be applicable.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(B) Maximum Termination Liability and Termination Charge  
(Cont'd)

A Termination Charge will apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of specialized service and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specialized service will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specialized services were discontinued, at the time partial termination is elected, by the percentage of specialized services to be partially terminated. A tariff filing will be made following a partial termination to

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(B) Maximum Termination Liability and Termination Charge  
(Cont'd)

list remaining Maximum Termination Liability amounts and the number of specialized services for which the customer will remain liable.

Example:

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 specialized services requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is \$60,000. The partial termination charge, in this example, is \$60,000 x 900/3600, or \$15,000.

(C) Annual Underutilization Liability and Underutilization Charge

Annual Underutilization Liability is a per unit amount which is based on the per unit cost of the specialized service. The liability remains in effect until the expiration of the Maximum Termination Liability or until the special construction case is discontinued and all termination liabilities associated with the case

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(C) Annual Underutilization Liability and Underutilization Charge  
(Cont'd)

are discharged. An underutilization charge may be applicable after the expiration of the minimum period, as set forth in the appropriate service tariff, depending on the quantity of specialized service in service.

No underutilization charges are computed or billed until one year after the minimum period expires. At that time, an underutilization charge applies to the difference, if any, between 70% of the original number of specially constructed facilities and the number of specially constructed facilities in service at filed tariff rates. The underutilization charge applies from the date the minimum period expires and annually thereafter. For purposes of determining an underutilization charge, any facilities subject to minimum period monthly charges are considered to be in service at filed tariff rates.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(C) Annual Underutilization Liability and Underutilization Charge  
(Cont'd)

Example 1

In response to a customer order for access service, a 100 pair cable is specially constructed. The annual underutilization liability, in this example, is determined to be, and is filed at, \$10.00 per pair. After 13 months (the minimum service period plus one year), 60 pairs are in service, which results in an underutilization of 10 pairs, i.e.,  $(70\% \text{ of } 100) - 60 = 10$ . The Underutilization Charge is \$100.00, or  $\$10.00 \times 10$  pairs.

Example 2

A customer orders 200 services. The Telephone Company and the customer agree to specially construct a 600 pair building cable to satisfy the current order, as well as future requirements. The annual underutilization liability is \$2.00 per pair. If 400 pairs are in service at the end of 13 months (the minimum service period plus one year), then there is an underutilization of 20 pairs, i.e.,  $(70\% \text{ of } 600) - 400 = 20$ . The Underutilization Charge is \$40.00, or  $\$2.00 \times 20$  pairs.

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ACCESS SERVICE

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.6 Liabilities and Charges for Specialized Service (Cont'd)

12.2.6.4 Types of Liabilities and Charges (Cont'd)

(D) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(E) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

12.2.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use constructed facilities subject to the provisions set forth in the service tariff under which service is being provided. Requests for specialized service deferral must be in writing and are subject to the following regulations:

12.2.7.1 Construction Has Not Begun

If the Telephone company has not incurred any installation costs before receiving a request for deferral, no charge applies.

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**ACCESS SERVICE**

12. Specialized Service or Arrangements (Cont'd)

12.2 Regulations (Cont'd)

12.2.7 Deferral of Start of Service (Cont'd)

12.2.7.2 Construction Has Begun

If the construction of facilities has begun before the Telephone Company received a request for deferral, charges will vary as follows:

(A) All Services Are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

(B) Some Services Are Deferred

When some services which will use the specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

12.2.7.3 Construction Complete

If the construction of facilities has been completed before the Telephone Company received a request for deferral, all special construction charges will apply.

12.3 Rates and Charges

Rates and charges and additional regulations, if applicable, for specialized service arrangements will be provided on an Individual Case Basis.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

13.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of customer only when:

- (A) A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.5 and 7.1.6 preceding.
- (B) Reserved for Future Use
- (C) Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in 7.1.1 preceding.
- (D) A customer requests a design change which requires additional engineering review as set forth in 5.2.2(C). The charge for Additional Engineering will apply whether or not the customer authorizes the Telephone Company to proceed with the design change.

The Telephone Company will notify the customer that additional engineering charges, as set forth in 13.1.3 following, will apply before any additional engineering is undertaken.

13.1.1 Reserved for Future Use

13.1.2 Reserved for Future Use

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.1 Additional Engineering (Cont'd)

13.1.3 Charges For Additional Engineering

The charges for additional engineering are as follows:

<u>Additional Engineering Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(A) Basic Time, normally scheduled working hours, per engineer	\$ 70.00	\$ 35.00
(B) Overtime, outside of normally scheduled working hours, per engineer	\$ 100.00	\$ 50.00

13.2 Additional Labor

Additional Labor is that labor requested by the customer on a given service as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 13.2.6 following will apply before any additional labor is undertaken.

13.2.1 Overtime Installation

Overtime Installation is that Telephone Company installation effort outside of normally scheduled working hours.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.2 Overtime Repair

Overtime Repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

13.2.3 Stand By

Stand by includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance, or repair of facilities which connect to facilities of other telephone companies which is in addition to normal effort required to test, maintain, or repair facilities provided solely by the Telephone Company.

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding, including, but not limited to, labor incurred for the installation of inside wire, used to extend the Point of Termination as set forth in 2.1.5 preceding, and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor

The charges for additional labor are as follows:

<u>Additional Labor Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(A) Overtime Installation or Repair		
- Outside of normally scheduled working hours per technician	\$ 40.00*	\$ 20.00*
(B) Stand by		
- Basic time, normally scheduled working hours, per technician	None	\$ 20.00
- Overtime, outside of normally scheduled working hours, on a scheduled work day per technician	None	\$ 30.00*
- Premium Time, outside of scheduled work day per technician	None	\$ 40.00*

\* 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.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.2 Additional Labor (Cont'd)

13.2.6 Charges for Additional Labor (Cont'd)

The charges for additional labor are as follows:

<u>Additional Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(C) Testing and Maintenance with other telephone companies, or Other Labor		
- Basic Time, normally scheduled working hours, per technician	\$ 40.00	\$ 20.00
- Overtime, outside of normally scheduled working hours on a scheduled work day per technician	\$ 60.00*	\$ 30.00*
- Premium Time, outside of scheduled work day, per technician	\$ 80.00*	\$ 40.00*

\* 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.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services

13.3.1 Maintenance of Service

- (A) When a customer reports a trouble to the Telephone Company for clearance, the customer shall be responsible for payment of a Maintenance of Service charge when Telephone Company personnel are dispatched to the customer's designated premises and no trouble is found in the Telephone Company's facilities. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.
  
- (B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer's designated premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.1 Maintenance of Service (Cont'd)

(C) The charges for Maintenance of Service are as follows:

<u>Maintenance of Service Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
- Basic Time, normally scheduled working hours, per technician	\$ 40.00	\$ 20.00
- Overtime, outside normally scheduled working hours on a scheduled work day, per technician	\$ 60.00*	\$ 30.00*
- Premium Time, outside scheduled working day, per technician	\$ 80.00*	\$ 40.00*

\* 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.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services

(A) Restoration Priority

The Telephone company will arrange a Special Access Service for Restoration Priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A, of the Federal Communication Commission's Rules and Regulations. A charge applies when a request to provide or change a restoration priority is received subsequent to the issuance of an Access Order to install the service. No charge applies when the Restoration Priority is discontinued.

	<u>Non-Recurring Charge</u>
Restoration priority per service arranged	ICB rates and charges apply

This service will no longer be available on services with completion dates after September 10, 1990 and will be discontinued for all services thirty (30) months after that date.

(B) Telecommunications Service Priority (TSP)

- 1) The TSP system provides for priority treatment to provision and restore National Security and Emergency Preparedness (NSEP) telecommunications services.

NSEP services are defined as telecommunications services which are used to maintain a state of readiness or respond to and manage any event or crisis which causes or could cause injury or harm to the population, damage or loss of property, or degrades or threatens the NSEP posture of the United States.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

2. Priority installation and/or priority restoration of NSEP telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's Rules and Regulations, and in accordance with the guidelines set forth in the Telecommunications Service Priority System for National Security Emergency Preparedness Service Vendor Handbook (NCS Handbook 3-1-2), dated July 11, 1989 as it may be amended from time to time. This Handbook can be obtained through the Government Printing Office and is available for review during regular business hours at the Rochester Tel Product Center, 100 Midtown Plaza, Rochester, NY.

3) Customers can request assignment to the TSP system through the following agencies:

<u>Customer</u>	<u>Referral</u>
Federal Agencies	TSP Program Office
State and Local Governments	Federal Emergency Management Agency
Foreign Governments	Departments of State or Defense
Private Industry	Any Federal Agency but normally one with whom they have a contractual relationship involving an NSEP function

The TSP Program Office is contained within the National Communications System.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

- 4) Once customers have received their TSP assignment, signified by a TSP Authorization Code, from the proper authorities, the customer must submit the code along with a service request to the Company.

The TSP Authorization Code contains two parts: The TSP Control ID, a number generated for tracking purposes; and the TSP code. The TSP code has the following two elements:

The provisioning priority: E,1,2,3,4,5, or 0

The restoration priority: 1,2,3,4,5, or 0

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

B) Telecommunications Service Priority (TSP) (Cont'd)

- 5) The Company will send a Service Confirmation to the TSP Program Office upon the completion of an ordered TSP service within 45 calendar days of the completion.

The Company may verify provisioning priority assignments with the TSP Program Office. However, the Company may not delay provisioning of an Emergency TSP service for verification purposes.

In obtaining TSP, the customer authorizes the company to provide certain customer record information to the TSP Program Office so that Office can maintain and administer the TSP System. This customer record information will include only the customer's name, TSP authorization code, Telephone Company circuit ID, customer telephone number, and customer mailing address.

- 6) The Company will provision and restore, when necessary, those telecommunication services with TSP assignments before services without such assignments.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

- 6) When spare facilities are not available, it may be necessary for the Company to preempt the facilities required to provision or restore TSP service. When such preemption is necessary, the Company will make a reasonable effort to notify the preempted customer of the action to be taken prior to preemption. Credit allowances for such service preemption shall be made according to the provisions set forth in 2.4.4 (E) preceding. When preemption is necessary, the sequence in which existing services may be preempted is as follows:

Non-TSP services

TSP services selected in inverse order of their priority level assignment

- 7) A TSP service priority does not imply any actual lead time or a specific interval for either provisioning or restoration.

The Company is not authorized or required to provide priority treatment to provision TSP services to customers that have not provisioning priority (i.e., "O" is the first character of the TSP code).

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

- 8) When the Company cannot meet an Essential TSP customer's request for receiving service within normal operating procedures, the Company will attempt to provide an alternative due date that is acceptable to the customer. If an agreement cannot be reached, the customer can invoke NSEP treatment and obtain provisioning priority assignment from the TSP Program Office if this service meets specific TSP Program Office guidelines. All order processing charges, including expedited order charge if applicable, will apply as set forth in section 5.2, preceding.
- 9) Reserved for Future Use

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

- 10) The Company will designate a 24-hour point of contact for receiving Emergency TSP provision requests and reports that a TSP service is out of service.
- 11) Control services or underwires wholly owned and supplied by the Company and needed for Provisioning, restoration, or maintenance are exempt from TSP rules.
- 12) In the event that the Company must utilize additional labor in the restoration of an access service, additional labor charges as outlined in section 13.2, preceding, may apply. The Company will endeavor to notify the customer of such charges in advance. The customer, in invoking a restoration priority, recognizes, however, that quoting charges and obtaining customer permission to proceed with service restoration may unduly delay the restoration process, in contradiction to the underlying rules and regulations of TSP. In subscribing to TSP, the customer recognizes this condition and grants the Company the right to assess such additional labor charges as may be applicable after the restoration has been completed.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.2 Emergency Services (Cont'd)

(B) Telecommunications Service Priority (TSP) (Cont'd)

Rates and Charges

TSP assignment charge is on a per circuit or access line basis. Customers wishing to establish TSP for auxiliary numbers or circuits associated with a main billing or calling number must purchase TSP for each line assigned.

The TS Record Order Change Charge applies to all record modifications per TSP designated line or circuit.

	<u>Non-Recurring Charge</u>
TSP per Line or Circuit Assigned	\$ 79.00
TSP Record Order Change	\$ 10.50

13.3.3 Billing Name and Address Service

Billing Name and Address (BNA) Service is the provision of the complete billing name, street address, city or town, state and zip code for a telephone number assigned by the Telephone Company.

BNA Service is provided for the sole purpose of permitting the customer to bill telephonic communications services to its end users and may not be resold or used for any other purpose, including marketing activity such as market surveys or direct marketing by mail or by telephone.

The customer may not use BNA information to bill for merchandise, gift certificates, catalogs or other services or products.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Billing Name and Address Service (Cont'd)

BNA Service is provided on both a manual and a mechanized basis in the Telephone Company. On a manual basis, the information will be provided by mail. On a mechanized basis, the information will be provided on magnetic tape.

BNA information is furnished for intrastate 1+ and casual call (10XXX 0+), collect, third number billed, and Telephone Company calling card calls.

BNA information will not be provided on subscriber's with non-published or unlisted telephone numbers that have informed the Telephone Company not to disclose their BNA to intrastate providers.

(A) Undertaking of the Telephone Company

- (1) Upon receipt of a magnetic tape of end user telephone numbers, the Telephone Company will, at the request of the customer, provide BNA Service on a mechanized basis. The Telephone Company will enter the BNA information on the telephone numbers tape and send the tape to the customer by first class U.S. Mail. Other methods of delivering the data may be negotiated, and charges based on cost will apply.

The Telephone Company will provide a response to customer-provided tapes by mail within ten (10) business days of receipt.

- (2) The Telephone Company will specify the format in which requests and tapes are to be submitted.
- (3) The BNA information will be provided for listed and published billing numbers to the extent a billing name and address exists in the Telephone Company data base.
- (4) The Telephone Company will provide the most current BNA information resident in its data base. Due to normal end user account activity, there may be instances where the BNA information provided is not the BNA that was applicable at the time the message was originated.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Billing Name and Address Service (Cont'd)

(B) Obligations of the Customer

- (1) With each order for BNA Service, the customer shall identify the authorized individual and address to receive the BNA information.
- (2) A customer which orders BNA Service on a mechanized basis must do so in the format specified by the Telephone Company.
- (3) The customer shall institute adequate internal procedures to insure that BNA information is used only for the purpose set forth in this tariff and that BNA information is available only to those customer personnel or agents with a need to know the information. The customer must handle all billing name and address information designated as confidential by the Telephone Company in accordance with Telephone Company's procedures concerning confidential information.
- (4) The customer shall not publicize or represent to others that the Telephone Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files and data bases or other systems it assembles through the use of BNA Service.
- (5) The Telephone Company shall use reasonable efforts to provide accurate and complete lists. The Telephone Company makes no warranties, expressed or implied, as to the accuracy or completeness of these lists.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Billing Name and Address Service (Cont'd)

(C) Rate Regulations

- (1) Service Establishment Charges apply for the initial establishment of BNA Service on a manual or mechanized basis.
- (2) A charge applies for each BNA request on a manual or mechanized basis. This charge will apply for each number searched whether or not the Telephone Company is able to provide BNA information.
- (3) When a customer cancels an order for BNA Service after the order date, the Service Establishment Charge applies.

(D) Rates and Charges Rate

- (1) Manual Transaction
  - Service Establishment Charge \$ 1.22
  - Query Charge \$ .59  
Per Telephone Number
- (2) Mechanized Transaction
  - Service Establishment Charge \$36.29
  - Query Charge \$ .32  
Per Telephone Number

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program

Standard jacks are provided by the Telephone Company to connect Registered Equipment to those services that are subject to the Registration Program (see Connections in 2.5 preceding). The use of jacks is covered in Part 68 of the F.C.C.'s Rules and Regulations. Specific jacks are described in the document on file with the F.C.C. entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the F.C.C.'s Rules and Regulations."

These arrangements are used to terminate services provided by the Telephone Company. Other services (facilities) provided by the Telephone Company or by others may also be terminated in any spare capacity of the arrangements remaining after installation without additional charge for the use of such capacity.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

Standard jacks and their typical uses are set forth following. Inside wire charges as set forth in Section 7 may apply in addition to the charges listed below.

<u>(A) Standard Voice Jacks</u>	<u>USCC</u>	<u>Nonrecurring* Charges</u>
(1) Miniature 6 Position Jacks for connection of terminal equipment as follows:		
(a) Single line telephone set surface or flush mounted.	RJ11C	\$ 5.25
(b) Single line telephone sets wall mounted.	RJ11W	\$ 5.25
(c) Two line nonkey telephone sets surface or flush mounted.	RJ14C	\$ 5.25
(d) Single line bridged 4-wire exchange 2/RT, T1/R1.	RJ1DC	ICB

\* These charges apply in addition to those set forth in Section 5.2 preceding.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(1) (Cont'd)

		<u>USCC</u>	<u>Nonrecurring*</u> <u>Charges</u>
(e)	Two line nonkey telephone sets wall mounted.	RJ14W	\$ 5.25
(f)	Special single line equipment for use in hospital critical care areas.	RJ12W	ICB
(g)	9DB single line data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack.	RJ16X	ICB
(h)	Three line non-key telephone sets and ancillary devices.	RJ25C	ICB

\* These charges apply in addition to those set forth in Section 5.2 preceding.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

	<u>USCC</u>	<u>Nonrecurring* Charges</u>
(2) 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:		
(a) For connection to 2-wire tie trunks E&M type I signaling. (12 line capacity)	RJ2EX	ICB
(b) For connection to 4-wire tie trunks E & M type I signaling. (8 line capacity)	RJ2GX	ICB
(c) For connection to 2-wire tie trunks E & M type II signaling. (6 line capacity)	RJ2FX	ICB
(d) For connection to 4-wire tie trunks E & M type II signaling. (6 line capacity)	RJ2HX	ICB

\* These charges apply in addition to those set forth in Section 5.2 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(2) (Cont'd)

	<u>USCC</u>	<u>Nonrecurring*</u> <u>Charges</u>
(e) For connection to off premises station lines. (25 line capacity)	RJ21X	ICB
(f) For use with series devices such as toll restrictors. (12 line capacity)	RJ71C	ICB
(g) For connection of up to 12 line bridged 4-wire exchange 2/RT T1/R1.	RJ2DX	ICB
(3) Series Jacks for connection of terminal equipment as follows:		
(a) Single line alarm reporting devices.	RJ31X	\$10.00

\* These charges apply in addition to those set forth in Section 5.2 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(A) Standard Voice Jacks (Cont'd)

(3) (Cont'd)

	<u>USCC</u>	<u>Nonrecurring* Charges</u>
(b) Series ancillary devices such as automatic dialers. Single line sets with exclusion.	RJ32X	\$10.00
(c) Two lines telephone sets with exclusion on one line.	RJ37X	\$10.00
(4) Weatherproof jack for use with single line telephone sets used at locations such as boats and marinas.	RJ15C	\$40.00

(B) Standard Data Jacks

(1) Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. (1 line capacity)	RJ41S	\$20.00
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\* These charges apply in addition to those set forth in Section 5.2 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(B) Standard Data Jacks (Cont'd)

	<u>USCC</u>	<u>Nonrecurring* Charges</u>
(2) Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)	RJ45S	ICB
(3) Multiple Line Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the listed equipment following:	RJ26X	ICB
(a) Multiple Line Universal Data Jack Circuit Cards. For use with RJ26X. One Circuit card per circuit required.	RJ26S	ICB

\* These charges apply in addition to those set forth in Section 5.2 preceding.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.4 Standard Jacks - Registration Program (Cont'd)

(B) Standard Data Jacks (Cont'd)

(3) (Cont'd)

	<u>USCC</u>	<u>Nonrecurring* Charges</u>
(b) Multiple line Universal Data Jack Mounting options. For use with RJ26X. One required per RJ26X.		
- Wall Mounting with cover.	RJM3X	ICB
- Rack Mounting (19 inch or 23 inch)	RJM4X	ICB

\* These charges apply in addition to those set forth in Section 5.2 preceding.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 13.3.5(C) following. Other testing services provided by the Telephone Company in association with Access Services are furnished at no additional charge. These other testing services are described in 6.1.6 and 7.1.8 preceding.

Testing Services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (A) (5) and (B) (2) following for a customer to request Telephone Company personnel to perform testing services at the customer's premises.

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B), and (C) following:

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, i.e., Acceptance Tests, (b) tests which are performed after acceptance of such access services by a customer, i.e., routine testing, and (c) additional tests which are performed during or after acceptance of such Access Services by a customer for which additional charges apply, i.e., additional tests and in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

Routine tests are those tests performed by the Telephone company on a regular basis, as set forth in 6.1.6 preceding, which are required to maintain Switched Access Service. Additional in-service tests may be done on an automatic basis (no Telephone Company or customer technicians involved), or on a manual basis (Telephone Company technician(s) involved at Telephone Company office(s) or customer technician(s) involved at customer premises).

Testing services are ordered to the Dial Tone Office for FGA, and to the access tandem for FGB, FGC, and FGD.

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Telephone Company provision of a technician at its office(s) and the customer provides a technician at its terminal location(s), with suitable test equipment to perform the required tests.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(1) Additional Cooperative Acceptance Testing (Cont'd)

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- C-Notched Noise
- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulations (Nonlinear)
- Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(2) Additional Automatic Testing

Additional Automatic Testing (AAT) of Switched Access Services (Feature Groups B, C and D) where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent. The customer may order, at additional charges, gain-slope and C-notched noise testing and may order the routine tests (1004 Hz less, C-message noise and balance) on an as needed or more than routine schedule.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(2) Additional Automatic Testing (Cont'd)

The Telephone Company will provide an AAT report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(3) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (Feature Groups A, B, C and D) where the Telephone Company provides a technician at its office(s) and Telephone Company or the customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests, will normally consist of gain-slope and C-notched noise testing. However, the Telephone company will conduct any additional tests which the IC may request.

The Telephone Company will provide an AMT report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(4) Manual Scheduled Testing

(5) Reserved for Future Use.

(6) Obligations of the Customer

(a) The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support AAT routine testing as set forth in 13.3.5 (A) (2) preceding.

(b) The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

(B) Special Access Service

The Telephone Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer.

(1) Additional Cooperative Acceptance Testing (ACAT)

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(B) Special Access Service (Cont'd)

(1) Additional Cooperative Acceptance Testing (ACAT)  
(Cont'd)

At the customer's request, the Telephone Company will provide a technician at the customer's premises or at the end user premises. These tests may, e.g., consist of the following:

- VG1 through VG5: Attenuation Distortion, and Echo Control.
- VG6 through VG12: Attenuation Distortion, Echo Control, Phase Jitter, Intermodulation Distortion, Envelope Delay Distortion and Frequency Shift.

(2) Additional Manual Testing (AMT)

The Telephone Company will provide a technician at its premises, and the Telephone Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges

(1) Switched Access

(a) Additional Cooperative Acceptance Testing

<u>Testing Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours, per technician	\$ 40.00	\$ 20.00
Overtime, outside of normally scheduled working hours on a scheduled working day, per technician	\$ 60.00*	\$ 30.00*
Premium Time, outside scheduled working day, per technician	\$ 80.00*	\$ 40.00*

\* 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.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Additional Automatic Testing (AAT)

These three tests as set forth in (I) following represent the minimum offering, i.e., and order for testing must, at a minimum, consist of twelve 1004 Hz Loss Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The additional Tests as set forth in (II) following may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer may specify a more frequent schedule of tests, 60 days prior to the start of the customer prescribed schedule.

To First Point <u>of Switching</u>	Monthly <u>Rates</u>
---------------------------------------	-------------------------

(I) Basic Tests #

1004 Hz Loss Tests performed within a one year period, per test ordered, per transmission path	\$ .25
--	--------

# Subject to a one year minimum contract period, and annual thereafter.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Additional Automatic Testing (AAT) (Cont'd)

<u>To First Point of Switching</u>	<u>Monthly Rates</u>
--	--------------------------

(I) Basic Tests# (Cont'd)

C-Message Noise Tests performed within a one year period, per test ordered, per transmission path	\$ .25
---	--------

Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path	\$ .25
---	--------

(II) Additional Tests

Gain Slope Tests performed with a one year period, per test ordered, per transmission path	\$ .25
--	--------

# Subject to a one year minimum contract period, and annual thereafter.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineer, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Additional Automatic Testing (AAT) (Cont'd)

To First Point <u>of Switching</u>	Monthly <u>Rates</u>
---------------------------------------	-------------------------

(II) Additional Tests (Cont'd)

C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path	N/A
---	-----

(III) Example

A customer schedules 13  
1004 Hz Loss Test, 13 C-  
Message Noise Tests and  
2 Return Loss Tests on one  
trunk for a year. The  
Charges will be computed  
as follows:

13 x \$ .25 = \$3.25
13 x \$ .25 = \$3.25
2 x \$ .25 = <u>\$.50</u>
\$7.00 per month, per trunk

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Additional Manual Testing (AMT)

The three tests as set forth in (I) following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth in (II) following may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

<u>To First Point of Switching</u>	<u>Monthly Rates</u>
--	--------------------------

(I) Basic Test#

1004 Hz Loss Tests  
performed within a one  
year period,  
per test ordered,  
per transmission path

\$ .45

# Subject to a one year minimum contract period, and annual thereafter.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Additional Manual Testing (AMT) (Cont'd)

<u>To First Point of Switching</u>	<u>Monthly Rates</u>
(I) Basic Test# (Cont'd)	
C- Message Noise Tests performed within a one year period, per test ordered, per transmission path	\$ .25
Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path	\$ .65
(II) Additional Tests	
Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	\$ .25

# Subject to a one year minimum contract period, and annual thereafter.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Additional Manual Testing (AMT) (Cont'd)

<u>To First Point of Switching</u>	<u>Monthly Rates</u>
--	--------------------------

(II) (Cont'd)

C-Notched Noise Tests  
performed within a one  
year period,  
per test ordered,  
per transmission path

N/A

(II) Example

See (b) (III) preceding.

(d) Manual Scheduled Testing (MST)

<u>To First Point of Switching</u>	<u>Monthly Rates</u>
--	--------------------------

Return Loss  
(Balance) Tests  
performed within a one  
year period,  
per test ordered  
per transmission path

\$ 5.00

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access

(a) Additional Cooperative Acceptance Testing (ACAT)

<u>Testing Periods</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled work hours, per technician	\$ 40.00	\$ 20.00
Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$ 60.00*	\$ 30.00*
Premium Time, outside scheduled work day, per technician	\$ 80.00*	\$ 40.00*

\* 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.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access (Cont'd)

(b) Additional Manual Cooperative and Additional Manual Testing

<u>Testing Periods</u>	<u>First Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled work hours, per technician	\$ 25.00
Overtime, Outside of normally scheduled working hours on a scheduled work day, per technician	\$ 37.50*
Premium Time, outside scheduled work day, per technician	\$ 50.00*

\* 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.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Provision of Access Service Billing Information

- (A) The customer will receive its monthly bills in either a standard paper or magnetic tape format.
- (B) At the option of the customer, and for an additional charge:
  - (1) Customer monthly bills may be provided on both magnetic tape and paper format.
  - (2) Billing detail and/or information may be transmitted to the customer premises by data transmission.
  - (3) Additional copies of the customer monthly bill may be provided in standard paper format.
- (C) Upon acceptance by the Telephone Company of an order for data transmission, the Telephone Company will determine the period of time to implement the transmission of such material on an individual order basis.
- (D) The rates and charges for the provision of Access Service Billing Information are as follows:

Monthly Rates

- (1) Provision of Standard Billing Detail and/or Information in magnetic tape format, in addition to standard paper format per record, up to 25 bytes

ICB Rates and Charges may apply.

FRONTIER COMMUNICATIONS-MIDLAND INC.

ACCESS SERVICE

13. Additional Engineering, Additional Labor, and Miscellaneous Services  
(Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Provision of Access Service Billing Information (Cont'd)

(D) (Cont'd)

- |  | <u>Monthly Rates</u>             |
|--|----------------------------------|
| (2) Data Transmission to a customer Terminal Location of Billing Detail and/or Information,<br>per record transmitted  | ICB Rates and Charges may apply. |
| (3) Additional Copies of customer monthly bill or service and features record in standard paper format, in addition to magnetic tape format or microfiche format<br>per page or<br>per microfiche record | ICB Rates and Charges may apply. |

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

13. Additional Engineering, Additional Labor, and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.7 900 Blocking Service

The Telephone Company will provide 900 Blocking Service to customers who obtain local exchange service from the Telephone Company under its general or local exchange tariffs and to customers who obtain Feature Group A Switched Access service under this tariff. This service is only provided at appropriately equipped end offices. Those offices providing 900 Blocking Service are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

On each line or trunk for which 900 Blocking Service is ordered, the Telephone Company will block all direct-dialed calls placed to a 900 number. When capable, the Telephone Company will route the blocked calls to a recorded message.

- Blocking access to 900 Service is offered to all subscribers at no charge.

Request by subscribers to remove 900 Blocking Service must be in writing.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (N)

14.1 Description of Service

- A. This section contains rates and regulations applicable to Distance Learning Service, furnished by the Telephone Company over facilities wholly within the State of Illinois, between two designated points.
- B. Distance Learning Service is offered to qualified educational institutions. Qualified educational institutions shall be limited to school district; public or private not-for-profit schools enrolling more than 20 pupils for kindergarten up through grade 12; and public or private degree-granting, libraries\*, not-for-profit colleges or universities.
- C. Distance Learning Service consists of a point-to-point transmission path only, operating at a speed of 1.544 Mbps between two designated educational institution locations or a designated education institution and a provider of authorized educational services as set forth in Illinois Public Utilities Act, Section 13-505.7.

14.2 Rate Elements

Rate Elements for Distance Learning Service are as follows:

- A. Non-recurring charges  
Installation charge for establishment of the service.

\*Libraries subscribing to Distance Learning Service are limited to public libraries organized under the Public Library District Act of 1991 or the Illinois Local Library Act, and regional library systems organized under the Illinois Library System Act. (N)

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.2 Rate Elements (Cont'd)

B. Link

One Link is associated with each location at which the point-to-point transmission path terminates and provides the path from the location to its serving wire center. The Link charge is also applicable at each location in those cases when the facilities to the location do not transit a serving wire center.

C. Transport

A flat rated transport charge is applicable for facilities within a single Market Service Area (MSA) between wire centers, or to a meet point, if the two locations are served from different wire centers. The flat rated transport charge is assessed in each of the Telephone Company's exchanges in which it terminates. This transport charge applies in addition to charges accessed by other companies.

14.3 Terms and Conditions

A. Service orders to install, change or disconnect Distance Learning Service will be placed with the Telephone Company by qualified educational institutions who wish this service.

B. Qualified educational institutions ordering this service will be considered the Customer of Record for all facilities, and as such, will be solely responsible for the payment to the Telephone Company of all charges, nonrecurring and recurring, associated with this service. The Customer of Record will be responsible for reporting service interruptions to the Telephone Company.

C. Where special construction of facilities is necessary, Special Construction provisions and charges may apply as set forth in this Tariff.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.3 Terms and Conditions (Cont'd)

D. Distance Learning Service is subject to resale.

14.4 Transmission Performance

A. All Signals generated by customer terminal equipment must meet the signal and format constraints as set forth by the Telephone Company.

14.5 Credit Allowances

Credit allowance will be given for interruptions to Distance Learning Service subject to regulations set forth in this Tariff. The Distance Learning Service is considered interrupted when the customer reports to the Telephone and the Telephone Company confirms that continuity has been lost or that the service is operating at a performance level of 300 or more seconds of transmission containing errors in a continuous fifteen minute period. The amount of the credit allowance will be at the rate of 1/2880 of the monthly service rate for each interruption.

14.6 Payment Plans

A. Optional Payment Plan (OPP)

1. Distance Learning Service is offered under an Optional Payment Plan (OPP) of 1, 3 or 5 years. OPP Monthly rates under this plan will not be subject to Telephone Company initiated rate increases during the term of the customer's OPP.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.6 Payment Plans (Cont'd)

A. Optional Payment Plan (OPP) (Cont'd)

2. With the written permission of the Company, consistent with other regulations contained in this Tariff, the obligation to pay the OPP charges may be assumed by another customer (qualified educational institution) if the service has been terminated and if the other customer intends to continue the service at the present location and actually continues such use. Such assumption of service does not relieve or discharge the original customer from remaining severally liable with transferee for any and all obligations existing at the time of the transfer.
3. Six months prior to completion of the customer OPP term, any term than available under the OPP may be selected at the rates currently in effect for new customers at the time of renewal. The customer will be charged that rate for the renewal payment period upon execution of the new OPP.

If the customer does not elect a new OPP and does not request discontinuance of the service, service will revert to the month-to-month rate currently in effect. At a later date, the customer may elect any OPP term currently in effect for new customers.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.6 Payment Plans (Cont'd)

A. Optional Payment Plan (OPP) (Cont'd)

4. Termination Liability Charges

In the event service under the OPP is terminated prior to the expiration of the contracted term, the customer will immediately become liable for payment of a termination liability charges based on the monthly OPP charges for the remainder of the term as set forth following:

The dollar difference between the current monthly OPP rate for the OPP term that could have been completed during the time the service was actually in service, or the monthly rate for the service in place less than twelve months and the customer's current OPP rate for each month the service was provided.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.6 Payment Plans (Cont'd)

A. Optional Payment Plan (OPP) (Cont'd)

5. (Cont'd)

For example: A customer subscribed to a 5-year OPP term and discontinued the service during the 37th month. The termination liability would be:

$$(3\text{-year OPP rate} - 5\text{-year OPP rate}) \times 37$$

The 3-year OPP term could have been completed during the months the service was actually in service.

All termination charges will be based on the OPP rates in effect at the time of termination.

Termination charges will apply to all changes in the physical location of the service except for changes in the customer's physical location of Distance Learning Service within the same MSA.

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

14. Distance Learning Service (Cont'd)

14.7 Rates and Charges

	<u>Month to</u> <u>Month Rate</u>	<u>Optional Payment Plan</u>		
		<u>1 Year</u>	<u>3 Years</u>	<u>5 Years</u>
A. <u>Nonrecurring Charges</u>				
Installation Charge, per Link Or Intermediary Access Connection	\$900.00	\$100.00	\$100.00	\$100.00
B. <u>Recurring Charges</u>				
1. Link, per Termination	\$250.00	\$200.00	\$175.00	\$150.00
2. Transport	\$150.00	\$150.00	\$150.00	\$150.00

**FRONTIER COMMUNICATIONS-MIDLAND INC.**

**ACCESS SERVICE**

15. **AGREEMENTS WITH TELECOMMUNICATIONS CARRIERS PURSUANT TO SECTIONS 251 AND 252 OF THE FEDERAL TELECOMMUNICATIONS ACT OF 1996.**

The Telephone Company has entered into agreements with telecommunications carriers pursuant to Sections 251 and 252 of the Federal Telecommunications Act of 1996. Section 252(i) of the Act provides that The Telephone Company must make available any interconnection, service or network element provided under such an agreement to any other requesting telecommunications carrier upon the same terms and conditions as those provided in the agreement. The Telephone Company's Agreements have been filed with the Office of the Chief Clerk. The contracts available to takers of the service tariffed in this volume are:

<u>Docket No.</u>	<u>Expiration Date</u>	<u>Contracting Carrier</u>
04-0801	March 24, 2006	United States Cellular Operating Company of Chicago, LLC
04-0801	March 24, 2006	USCOC of Central Illinois, LLC
04-0801	March 24, 2006	USCOC of Illinois RSA #1, LLC
04-0801	March 24, 2006	USCOC of Illinois RSA #4, LLC
04-0801	March 24, 2006	USCOC of Rockford, LLC
05-0093	March 24, 2006	Southwestern Bell Mobile Systems, LLC
05-0093	March 24, 2006	Champaign Celltelco
05-0207	December 2, 2005	Cellco Partnership d/b/a Verizon Wireless
05-0207	December 2, 2005	Chicago SMSA Limited Partnership
05-0207	December 2, 2005	Illinois SMSA Limited Partnership
05-0207	December 2, 2005	Chicago 10 MHZ LLC
05-0207	December 2, 2005	Illinois RSA 1 Limited Partnership
05-0207	December 2, 2005	Illinois RSA 6 & 7 Limited Partnership
05-0207	December 2, 2005	Rockford MSA Limited Partnership
05-0779	August 31, 2006	Southern Illinois RSA Partnership d/b/a/
06-0595	October 13, 2007	T-Mobile USA, Inc.
06-0595	October 13, 2007	T-Mobile Central LLC
06-0595	October 13, 2007	Powertel/Memphis, Inc.
07-0041	March 22, 2008	TMP Corporation
13-0299	June 18, 2015	Comcast Phone of Illinois, LLC
14-0130	October 2, 2015	Metropolitan Telecommunications of Illinois, Inc. d/b/a MetTel
14-0487	October 8, 2015	Teleport Communications America, LLC
14-0591	When cancelled by	Big River Telephone Company, LLC either party
14-0609	When cancelled by	United States Cellular Operating Company of Chicago, LLC either party
14-0609	When cancelled by	USCOC of Central Illinois, LLC either party
14-0636	When cancelled by	T-Mobile Central LLC f/k/a T-Mobile USA, Inc. either party
15-0110	When cancelled by	365 Wireless either party

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