



TARIFF FOR KNOLOGY OF
ALABAMA, INC. D/B/A
KNOLOGY OR D/B/A WOW!
INTERNET, CABLE AND PHONE

Intrastate Domestic Access Services



JULY 1, 2017
KNOLOGY OF ALABAMA, INC

INTRASTATE DOMESTIC ACCESS SERVICES

KNOLOGY OF ALABAMA, INC.

Issued: June 5, 2013

**KNOLOGY of Alabama, Inc.
1241 O.G. Skinner Drive
West Point, Georgia 31833**

Effective: August 13, 2013

INTRASTATE DOMESTIC ACCESS SERVICES

CHECK SHEET

Title Page 1 to 195 of this tariff and Supplement No. 3 are effective as of the date shown. Original and revised pages as named below contain all changes that are in effect on the date hereof.

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INTRASTATE DOMESTIC ACCESS SERVICES

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7-24	Original		Original		

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**KNOLOGY of Alabama, Inc.
1241 O.G. Skinner Drive
West Point, Georgia 31833**

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INTRASTATE DOMESTIC ACCESS SERVICES

CONCURRING CARRIERS

NONE

CONNECTING CARRIERS

NO CONNECTING CARRIERS

OTHER PARTICIPATING CARRIERS

NO OTHER PARTICIPATING CARRIERS

REGISTERED SERVICE MARKS

NONE

REGISTERED TRADEMARKS

NONE

INTRASTATE DOMESTIC ACCESS SERVICES

EXPLANATION OF SYMBOLS

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

EXPLANATION OF ABBREVIATIONS

ADA	- Abbreviated Dialing Arrangement
AML	- Actual Measured Loss
ANI	- Automatic Number Identification
AP	- Program Audio
AT&T	- American Telephone and Telegraph Company
BHMC	- Busy Hour Minutes of Capacity
CDP	- Customer Designated Premises
CI	- Channel Interface
CO	- Central Office
Cont'd	- Continued
CPE	- Customer Provided Equipment
DA	- Directory Assistance
dB	- decibel
dBrnC	- Decibel Reference Noise C-Message Weighting
dBrnCO	- Decibel Reference Noise C-Message Weighted O
dc	- direct current
DDD	- Direct Distance Dialing
EAS	- Extended Area Service
EDD	- Envelope Delay Distortion
EML	- Expected Measured Loss
EPL	- Echo Path Loss
ERL	- Echo Return Loss
ESS	- Electronic Switching System
ESSX	- Electronic Switching System Exchange
f	- frequency
FCC	- Federal Communications Commission

INTRASTATE DOMESTIC ACCESS SERVICES

EXPLANATION OF ABBREVIATIONS (Cont'd)

HC	- High Capacity
Hz	- Hertz
C	- 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
mcs	- Microsecond
MHz	- Megahertz
MRC	- Monthly Recurring Charge
MT	- Metallic
MTS	- Message Telecommunications Service(s)
MTSO	- Mobile Telephone Switching Office
NPA	- Numbering Plan Area
NRC	- Nonrecurring Charge
NXX	- Three - Digit Central Office Prefix
PBX	- Private Branch Exchange
PIC	- Presubscribed Interexchange Carrier
POT	- Point of Termination
SAC	- Service Access Code
SRL	- Singing Return Loss
SWC	- Serving Wire Center
TG	- Telegraph Grade
TLP	- Transmission Level Point
TV	- Television
VG	- Voice Grade
V & H	- Vertical & Horizontal
WATS	- Wide Area Telecommunications Service(s)
WSO	- WATS Serving Office

INTRASTATE DOMESTIC ACCESS SERVICES

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.

The following tariffs are referenced in this tariff and may be obtained from the Federal Communications Commission's commercial contractor:

National Exchange Carrier
Association, Inc.
Special Construction
Tariff F.C.C. No. 3

National Exchange Carrier
Association, Inc.
Wire Center Information
Tariff F.C.C. No. 4

National Exchange Carrier
Association, Inc.
Tariff F.C.C. No. 5

REFERENCE TO TECHNICAL PUBLICATIONS

The following technical publications are referenced in this tariff and may be obtained from Bell Communications Research, Inc., Customer Services, 60 New England Ave., Piscataway, NJ 08854-4196.

Technical Reference:

Multiple Exchange Carrier Access Billing (MECAB) Guidelines
Issued: December, 1990

Multiple Exchange Carrier Ordering and Design (MECOD) Guidelines
Issued: September 10, 1990

PUB 41004 Data Communications Using Voiceband Private Line Channels
Issued: October 1973

PUB 62310 Digital Data System Channel Interface Specification
Issued: September 1983

PUB 62411 High Capacity Digital Service Channel Interface Specification
Issued: September 1983, Addendum October 1984

TR-NPL-000258 Compatibility Information for Feature Group D Switched Access
Service
Issued: October 1985

TR-NWT-000334 Issue 2 Voice Grade Switched Access Service - Transmission
Parameter Limits and Interface Combinations
Issued: September 1990

Issued: June 5, 2013

KNOLGY of Alabama, Inc.
1241 O.G. Skinner Drive
West Point, Georgia 31833

Effective: August 13, 2013

INTRASTATE DOMESTIC ACCESS SERVICES

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

TR-TSY-000335, Issue 2 Voice Grade Special Access Service - Transmission
Parameter Limits and Interface Combinations
Issued: May 1990

TR-NPL-000336 Metallic and Telegraph Grade Special Access Service - Transmission
Parameter Limits and Interface Combinations
Issued: October 1987

TR-NPL-000337 Program Audio Special Access Service and Local Channel
Services
Issued: July 1987

TR-NPL-000338 Television Special Access and Local Channel Services - Transmission
Parameter Limits and Interface Combinations
Issued: December 1986

TR-NPL-000341 Digital Data Special Access Service - Transmission
Parameter and Interface Combinations
Issued: March 1989

TR-INS-000342 High Capacity Digital Special Access Service
Issued: February 1991

SR-STDS-000307 NC/NCI Code Dictionary
Issued: December 1990

The following technical publication is referenced in this tariff and may be obtained from the Bell Communications Technical Education Center, Room B02, 6200 Route 53, Lisle, IL 60532.

Telecommunications Transmission Engineering
Volume 3 - Networks and Services (Chapters 6 and 7)
Second Edition, 1980
Issued: June 1980

The following technical publication is referenced in this tariff and may be obtained from the National Exchange Carrier Association, Inc., Director - Tariff and Regulatory Matters, 100 So. Jefferson Road, Whippany, NJ 07981 and the Federal Communications Commission's commercial contractor.

PUB AS No. 1, Issue II Access Service
Issued: May, 1984
Addendum: March 1987

TR-TSY-000506 LATA Switching Systems Generic Requirements (LSSGR)
Section 6
Issued: October 1987, Revised December 1988, Revised June 1990

Issued: June 5, 2013

Effective: August 13, 2013

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INTRASTATE DOMESTIC ACCESS SERVICES

REFERENCE TO TECHNICAL PUBLICATIONS (Cont'd)

The following publications are referenced in this tariff and may be obtained from the Government Printing Office, Superintendent of Documents, Document Control Branch, 941 N. Capital St., N.E., Washington, D.C. 20401.

Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook, National Communications System (NCSH 3-1-2).

Issued July, 1990
Available August, 1990

Telecommunication Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual, National Communications System (NCSM 3-1-1).

Issued July, 1990
Available August, 1990

INTRASTATE DOMESTIC ACCESS SERVICES

1. APPLICATION OF TARIFF

The terms and conditions in this tariff apply to the intrastate common carrier telecommunications services provided by the Issuing Carriers of this tariff, hereinafter the Company. The Company may provide any of the services offered under this tariff or any combination of services to customers through the use of contracts. Terms and conditions of each contract offering is subject to the agreement of both the customer and the Company. Customized service packages and competitive pricing arrangements at negotiated rates may be furnished on a case-by-case basis. Rates in other sections of this tariff do not apply to customers who agree to contract arrangements with respect to services within the scope of the contract. The rates provided under such contracts will be filed in Section 12, unless otherwise specified, the regulations for such arrangements or contracts are in addition to the applicable regulations and rates in other sections of this tariff. Specialized rates or charges will be made available to similarly situated Customers on a non-discriminatory basis.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations

2.1 Undertaking of the Company

2.1.1 Scope

- (A) The Company's services and facilities are furnished for communications services between and among domestic points within the United States under terms of this tariff.
- (B) The Company arranges for installation, operation, and maintenance of the communications services provided in this tariff for Customers in accordance with the terms and conditions set forth under this tariff. The Company may act as the Customer's agent for ordering access connection facilities provided by other carriers or entities, when authorized by the Customer, to allow connection of a Customer's location to the Company's network.
- (C) The Company will, for maintenance purposes, test its service 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 Company does not undertake to transmit messages, but offers the use of its facilities when available, and will not be liable for errors in transmission or for failure to establish connection.
- (F) The Company provides only those services that are contained in this tariff that the Company is technically capable of providing.
- (G) The services provided under this tariff may be used by the Customer for any lawful telecommunications purpose for which the service is technically suited.
- (H) Company services may be connected to the services or facilities of other communications carriers only when authorized by, in accordance with, the terms and conditions of any tariffs of such other communications carriers.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.2 Provision of Services

The Company will provide to the Customer, upon reasonable notice, services offered in other applicable sections of this tariff at rates and charges specified therein. The provision of the Company's services is subject to and contingent upon the Company obtaining and retaining all governmental authorizations that may be required or be deemed necessary by the Company. The Company shall use reasonable efforts to obtain and keep in effect all such governmental authorizations. The Company shall be entitled to take, and shall have no liability for, any action necessary to bring its facilities and/or services into conformance with any requirement or request of the Federal Communications Commission or other governing entity or agency

2.1.3 Ownership of Facilities

Title to all facilities and equipment, and related plans and proposals, provided by the Company in furnishing service remains with the Company, its agents or contractors.

2.1.4 Service Maintenance

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

2.1.5 Changes and Substitutions

The Company may substitute, change or rearrange any equipment or facility at any time and from time to time, but shall not thereby alter the technical parameters of the service provided the Customer.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.6 Shortage of Equipment or Facilities

- (A) Service is offered subject to the availability of the necessary facilities and/or equipment and subject to the provisions of this tariff. The Company may decline applications for service to or from a location where the necessary facilities or equipment are not available. The Company may discontinue furnishing service in accordance with the terms of this tariff.
- (B) The Company reserves the right to limit or to allocate the use of its facilities when necessary because of lack of facilities or due to some other cause beyond the Company's control.
- (C) The Company may obtain facilities from other carriers to furnish service as required at the sole discretion of the Company.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.7 Notification of Service-Affecting Activities

The 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, removals or rearrangements and routine preventive maintenance. No specific advance notification period is applicable to all service activities. The Company will work cooperatively with the Customer to determine the reasonable notification requirements. With some emergency or unplanned service-affecting conditions, such as an outage resulting from cable damage. Notification to the Customer may not be possible.

2.1.8 Coordination with Respect to Network Contingencies

The 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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.9 Limitations

(A) Assignment or Transfer of Services

All services provided under this tariff is directly or indirectly controlled by the Company and neither the Customer nor its Authorized Users may transfer or assign the use of service without the express prior written consent of the Company. Such transfer or assignment shall only apply where there is no interruption of use or relocation of the service. All terms and conditions contained in this tariff shall apply to all such permitted transferees or assignees, as well as conditions of service.

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) Use and Restoration of Service

The 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, which specifies the priority system for such activities.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.10 Liability

(A) Limits of Liability

The liability of the Company for damages arising out of the furnishing of its service, including but not limited to mistakes, outages, omissions, interruptions, delays, errors, or other defects, representations, failures arising out of the use of these services or failure to furnish service, whether caused by act, omission or negligence, shall be limited to the extension of such allowances as set forth in the section of this tariff on Allowances for Interruptions in Service. The extension of such allowance for interruption shall be the sole remedy of the Customer or other person, and the sole liability of the Company.

The Company's entire liability, if any, for any claim, loss, damage or expense from any cause whatsoever shall in no event exceed sums actually paid Company by Customer for the specific services giving rise to the claim. No action or proceeding against the Company shall be commenced more than one year after the service is rendered.

In no event shall the Company be liable for any incidental, indirect, special, consequential, exemplary, or punitive damages (including lost revenue or profits) of any kind whatsoever regardless of the cause of foreseeability thereof.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.10 Liability (Cont'd)

(B) Act or Omissions

The 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 Company for its own act or omission hold liable any other carrier or customer providing a portion of a service.

(C) Circumstances Beyond the Company's Control

The Company shall not be liable for any delay or failure of performance hereunder if such failure is due to any cause or causes beyond the reasonable control of the Company. Such causes shall include, without limitation, acts of god, fire, flood, explosion or other catastrophes, vandalism, cable cut, storm or other similar occurrence, any law, order, regulation, direction, action or request of the United States government or any other government, including state and local governments having or claiming jurisdiction over the Company, or of any department, agency, commission, bureau, corporation, or other instrumentality of any one or more of these federal, state or local governments, or of any civil or military authority; national emergencies; insurrections; riots; wars; unavailability of rights-of-way or materials; or strikes, lockout, work stoppages, or other labor difficulties.

The Company does not guarantee or make any warranty with respect to its services when used in an explosive atmosphere. The 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.

(D) Damages Caused by Others

The Company shall not be liable for interruptions, delays, errors, or defects in transmission, or for any injury whatsoever, caused by the Customer, the Customer's agents, or Authorized Users, or by facilities or equipment provided by the Customer.

The Company shall not be liable for any act, omission or defect of an entity furnishing to the Company or to the Customer services, facilities or equipment used for or with the Company's services,; or for the acts or omissions of common carriers or warehousemen.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.10 Liability (Cont'd)

(E) Damages to Customer Premises

The Company is not liable for damages to the Customer's 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 willful misconduct of the Company's employees or agents.

(F) Indemnification of the Company

The Customer and the End User shall indemnify, defend and hold harmless the Company (including the costs of reasonable attorney's fees) against:

- (a) Claims for libel, slander, infringement of copyright or unauthorized use of any trademark, trade name or service mark arising out of the material, data, information, or other content transmitted over the Company's facilities or equipment;
- (b) Claims for patent infringement arising from combining or connecting the Company's facilities or equipment with facilities, equipment, apparatus or systems of the Customer; and
- (c) All other claims (including, without limitation, claims for damage to any business or property, or injury to, or death of, any person) arising out of any act or omission of the Customer, the Customer's agents or Authorized Users, in connection with any service or facilities or equipment provided by the Company

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.10 Liability (Cont'd)

- (d) In the event parties other than Customer, including but not limited to joint users and Customer's customers, shall have use of the Company's service directly or indirectly through Customer, then Customer agrees to forever indemnify and hold the Company harmless from and against any and all claims, demands, suits, actions, losses, damages, assessments or payments which may be asserted by said parties arising out of or relating to the Company's furnishing of service.

(G) Warranties or Representation by the Company

The Company makes no warranties or representations, express or implied, either in fact or by operation of law, statutory or otherwise, including warranties of merchantability or fitness for a particular use, except those expressly set forth herein.

(H) No License Granted

No license under patents (other than the limited license to use) is granted by the Company or shall be implied or arise by estoppel, with respect to any service offered under this tariff.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.1 Undertaking of the Company (Cont'd)

2.1.11 Non-routine Installation

At the Customer's request, installation and/or maintenance may be performed outside the Company's regular business hours or in unusual locations. In such cases, charges based on cost of actual labor, material, or other costs incurred by or charged to the Company will apply. If installation is started during regular business hours but, at the Customer's request, extends beyond regular business hours into time periods including, but not limited to, weekends, holidays, and/or night hours, additional charges may apply

2.1.12 Special Construction

Subject to the arrangement of the Company and to all of the regulations contained in this tariff, special construction of facilities may be undertaken on a reasonable efforts basis at the request of the Customer. Special construction is that construction undertaken and characterized by one or more of the following:

- (a) Where facilities are not presently available and there is no other requirement for the facilities so constructed;
- (b) of a type other than that which the Company would normally utilize in the furnishing of its services;
- (c) where facilities are to be installed over a route other than that which the Company would normally utilize in the furnishing of its services;
- (d) where facilities are requested in a quantity greater than that which the Company would normally construct;
- (e) where installation is on an expedited basis;
- (f) on a temporary basis until permanent facilities are available
- (g) installation involving abnormal costs; or
- (h) in advance of its normal construction schedules.

Special construction charges for Special and Switched Access Service will be determined as described in Section 5.4.9, following.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.2 Term and Charge of Service

The minimum period for which services are provided and for which rates and charges are applicable is one (1) month unless otherwise specified in this tariff or by mutually agreed upon contract. When a service is discontinued prior to the expiration of the minimum period, charges are applicable, whether the service is used or not.

2.3 Obligations of the Customer

2.3.1 Payment of Charges

The Customer shall be responsible for payment of all applicable charges pursuant to this tariff.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.1 Payment of Charges (Cont'd)

When mixed intrastate and intrastate Switched Access Service is provided, all charges (i.e. non-recurring, monthly and/or usage) including optional features and functions charges, will be prorated between intrastate and intrastate. The percentage determined as set forth in 2.3.9 or 2.3.10 following will serve as the basis for prorating the charges unless the Company is billing according to actuals by jurisdiction. The percentage of an Access Service to be charged as intrastate is applied in the following manner:

- (a) For monthly and non-recurring chargeable rate elements, multiply the percent intrastate use times the quantity of chargeable elements times the stated tariff rate.
- (b) For usage sensitive (i.e. access minutes and calls) chargeable rate elements, multiply the percent intrastate use times actual use (i.e. measured) times the stated tariff rate.

The intrastate percentage may change as revised usage reports are submitted as set forth in 2.3.9 or 2.3.10 following.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.2 Damages

Customer shall be responsible for any damage to or loss of the Company's facilities or equipment caused by the acts or omissions of the Customer.

2.3.3 Equipment Space and Power

Customer shall provide, as specified from time to time by the Company, any personnel, equipment, space, power, heating and air conditioning needed to operate, and maintain a proper operating environment for, Company facilities and equipment installed on the Customer's premises.

2.3.4 Rights-of-way

Customer shall at the option of the Company obtain, maintain, and otherwise have full responsibility for all rights-of-way and conduit necessary for installation of Company facilities from the building entrance or property line to the location of Company's equipment space on the Customer's premises. Any costs associated with obtaining and maintaining the rights-of-ways described herein, including any building modification costs, shall be borne entirely by the Customer. Customer shall also be responsible for complying with all applicable laws, and obtaining all required permits or other approvals related to the location and installation of Company facilities and equipment in the Customer's premises or within the rights-of-way for which the Customer is responsible.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.5 Availability for Installing, Maintaining, and Removing

Customer shall grant or obtain permission for Company employees or agents to enter the premises of the Customer at any time for the purpose of installing, inspecting, maintaining, repairing, or removing the facilities or equipment of the Company and/or inspecting Customer-provided equipment which is connected to Company's facilities.

2.3.6 Customer-provided Equipment

Customer shall be responsible for the provision, operation and maintenance of any customer-provided equipment which is connected to Company's equipment and/or facilities, and for ensuring that such Customer-provided equipment is compatible with Company equipment and facilities. The magnitude and character of the voltages and currents impressed on Company equipment, facilities and wiring by such Customer-provided equipment shall be such as not to cause damage to Company's equipment, facilities and wiring or injury to Company's employees or to other persons. Upon Company request, Customer will submit to Company a complete manufacturer's specification sheet for each item of Customer-provided equipment that is or is proposed to be attached to Company's facilities. Company may provide, at the Customer's expense, any additional protective equipment required, in the sole opinion of the Company, to prevent damage or injury resulting from the connection of any Customer-provided equipment.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Company (Cont'd)

2.3.7 Coordination with Respect to Network Contingencies

Customer shall cooperate with the Company to plan, coordinate and undertake any actions required to maintain maximum network capability following natural or manmade disasters which affect telecommunications services.

2.3.8 Indemnification of the Company by the Customer and the End User

With respect to any service or facility provided by the Company, the Customer and the End User shall indemnify, defend and hold harmless the Company from and against all claims, actions, damages, liabilities, costs and expenses, for:

(a) death or injury of any person, to the extent caused by or resulting from the any loss, destruction or damage to property of the Customer or any third party, or the negligent or intentional act or omission of the Customer, its employees, agents, representatives or invites; and

(b) any claim, loss, damage, expense or liability for infringement of any copyright, patent, trade secret, or any proprietary or intellectual property right of any third party, arising from any act or omission by the Customer, including without limitation, use of the Company's services and facilities in a manner not contemplated by this tariff or any agreement between Customer and Company.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report - Switched Access

The Customer must indicate a Percent of Intrastate Use (PSU) factor in a whole number (i.e. a number 0 - 100) when ordering Switched Access Service. A Customer provided PSU factor is required on each Access Service Request.

Where jurisdiction can be determined from the call detail, the Company will develop a projected PSU factor from the call detail which will be used to bill the Customer. Where call detail is insufficient to determine the jurisdiction, the Customer will provide a Jurisdictional Report indicating the projected PSU factor in whole number. The Company will use the Jurisdictional Report to bill all intrastate and intrastate rates and/or nonrecurring charges until the Company receives a revised report from the Customer. The following regulations govern such estimates, their reporting by the customer and cases where the Company will develop jurisdictional percentages.

(1) General

Except where the Company measured access are used as set forth following, the Customer shall update its PSU as set forth in (2) or (3) following and such report will be used for billing purposes until the customer reports a different projected intrastate percentage. 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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report-Switched Access (Cont'd)

Effective on the first of January, April, July and October of each year the customer shall update the intrastate jurisdictional report. The customer shall forward to the Company, to be received no later than fifteen (15) days after the first of each such month, a revised report showing the intrastate 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 intrastate use.

Except where the Company is billing according to actuals by jurisdiction, the revised report will serve as the basis for the next three months billing and will be effective on the bill date for that service. No prorating or back billing will be done based on the report.

If the customer does not supply the reports, the 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 Company will assume the percentages to be the same as those provided in the order for service as set forth in (2) following.

The percentages described in (2) through (4) following are applied to usage rated Carrier Common Line, Information Surcharge, Local Switching, Tandem Switched Transport and Residual Interconnection charges. Separate PSUs are required for flat rated Entrance Facilities, Direct Trunked Transport and Multiplexers.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report-Switched Access (Cont'd)

(2) Feature Group D

When a customer orders Feature Group D Switched Access Service(s) the customer may provide the projected Percent Intrastate Usage (PSU) for each end office in its order. The Company, where the jurisdiction can not be determined from the call detail, will determine the projected PSU as follows:

- (a) For originating access minutes, the projected intrastate percentages will be developed on a monthly basis by end office where the Feature Group D Switched Access Service access minutes are measured by dividing the measured intrastate originating access minutes respectively by the total originating access minutes, when the call detail is adequate to determine the appropriate jurisdiction.
- (b) For terminating access minutes, the data used by the Company to develop the projected intrastate percentages for originating access minutes will be used to develop the projected usage percentages for such terminating access minutes.
- (c) When the customer has both intrastate and intrastate Operator Services traffic, the percentage intrastate usage determined for the customer's FGD service will be applied to the customer's Operator Services charges.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.9 Jurisdictional Report-Switched Access (Cont'd)

(3) Directory Assistance Service

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 (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 premises to the involved Directory Assistance Location and calculate the projected intrastate percentage as set forth in (2) preceding.)

(4) All Other Type of Access Service

The customer must provide the Company with a projected PSU for all other type of access including 500, 700, 800, 888, 900, etc.

2.3.10 Determination of Jurisdiction of Mixed Use Special Access Service

When an ASR is submitted for intrastate and intrastate Special Access Service, the Customer will provide to the Company an estimate of whether the intrastate traffic will comprise more than 10 percent or less than 10 percent of total traffic:

- (a) If the Customer estimated that the intrastate traffic on the service involved constitutes less than 10 percent of the Customer's total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of the Company's state access tariff.
- (b) If the Customer estimates that the intrastate traffic on the service involved constitutes more 10 percent or more of the Customer's total traffic on that service, the service will be provided in accordance with the applicable rules and regulations of this tariff.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.11 Jurisdictional Reports Verification

For Switched Access Service, if a billing dispute arises concerning the projected intrastate percentage, the Company will ask the Customer to provide the data the customer uses to determine the projected intrastate percentage. The Customer will supply the data within 30 days of the Company request.

The Customer shall keep records of call detail from which the percentage of intrastate use can be ascertained and, upon request of the Company, shall make the records available for inspection as reasonably necessary for purposes of verification of the percentages. The Company reserves the right to conduct an audit at any time during the year.

For Special Access Service, if a billing dispute arises or a regulatory commission questions the projected PSU factor, the Company will ask the Customer to provide that data the Customer used to determine the intrastate percentage. The Customer shall supply the data within 30 days of the Company request. The Customer shall keep records of system design and functions from which the percentage was determined, and, upon request of the Company, shall make the records available for inspection as reasonably necessary for purposes of verifications of percentages.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.3 Obligations of the Customer (Cont'd)

2.3.12 Payment of Service Charges imposed by another Entity

The Customer shall be responsible for the payment of service charges imposed on the Company by another entity, for visits to the Customer Premises when the service difficulty or trouble report results from the use of equipment or facilities provided by any party other than the Company, including but not limited to the Customer.

2.3.13 Ordering Where More than One Company is Involved

The Company, at its option, can require a Customer to order access services that require the provisioning by more than one Exchange Carrier, to directly request such provisioning directly from each Exchange Carrier.

2.3.14 Rating and Billing of Access Services Where More than One Company is Involved

All charges for services provided by each Company are billed under each Exchange Carrier's applicable tariffs. Under a Meet Point Billing Arrangement, the Company will only bill for charges for traffic carried between the Company Local Switching Center and the End User.

In the event that the Company accepts responsibility for ordering, the Company will notify the Customer of: 1) The meet point option that will be used; 2) The Carrier(s) that will render the bill(s); 3) The Carrier(s) to whom payment should be remitted; and 4) the Carrier(s) that will provide the bill inquiry function. The Company shall provide such notification at the time orders are placed for Access Service. Additionally, the Company shall provide this notice in writing 30 days in advance of any changes in the arrangement.

Rating and Billing of Service: Each company will provide its portion of access service based on the regulations, rates and charges contained in its respective Access Service tariff, subject to the following rules, as appropriate.

The application of non-distance sensitive rate elements varies according to the rate structure and the location of the facilities involved.

When rates and charges are listed on a per minute basis, the Company's rates and charges will apply to traffic originating from the Customer's Premises and terminating at the End User's premises, and vice versa.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.4 Prohibited Use

Customer shall not use or allow the use of Company's facilities or equipment installed at the Customer's premises for any purpose other than for which the Company provides it, without the prior written consent of the Company

- (A) The services the Company offers shall not be used for any unlawful purpose or for any use as to which the Customer has not obtained all required governmental approvals, authorizations, licenses, consents and permits, or used in an abusive manner. Abusive use includes:
- (1) The use of the service of the Company for a call or calls, anonymous or otherwise, in a manner reasonably expected to frighten, abuse, torment, or harass another;
 - (2) The use of the service in such a manner as to interfere unreasonably with the use of the service by one or more other Customers.
- (B) The Company may require applicants for service who intend to use the Company's offerings for resale and/or shared use to file a letter with the Company confirming that their use of the Company's offerings complies with relevant laws and commission regulations, policies, orders, and decisions.
- (C) The Company may require a Customer to immediately shut down its transmission of signals if said transmission is causing interference to others.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.5 Interconnection

Service furnished by the Company may be interconnected with services or facilities of other authorized communications common carriers and with private systems, if authorized by the Company and subject to technical limitations established by the Company. Service furnished by such interconnection is not part of a joint undertaking with such other common carriers or systems. The Company does not undertake to provide any special facilities, equipment, or services to enable the Customer to interconnect the facilities or the equipment of the Company with services or facilities of other common carriers or with private systems.

2.6 Inspection, Testing and Adjustment

The Company may, upon reasonable notice, make such tests and inspections as may be necessary to determine whether the terms and conditions of this tariff are being complied with in the installation, operation or maintenance of the Customer's or the Company's facilities or equipment. The Company may interrupt service at any time, without penalty or liability, due to the departure from or reasonable suspicion of the

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.7 Payment Arrangements and Credit Allowances

2.7.1 Payment of Rates, Charges, and Deposits

(A) Responsibility for Charges

Charges for installations, service connections, moves, rearrangements, and prepaid services, where applicable, are payable upon demand to the Company or its authorized agent. Billing thereafter will include recurring charges and actual usage as defined in this tariff.

The Customer is responsible for payment of all charges for services and equipment furnished to the Customer by the Company.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.7 Payment Arrangements and Credit Allowances (Cont'd)

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

The 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 disconnected during the preceding billing period. In addition, the Company shall bill in advance charges for all services to be provided during the ensuing billing period except for charges associated with service usage which will be billed in arrears.

(B) Payment for Service

All charges due by the Customer are payable to the Company or any agent duly authorized to receive such payments. Any objections to billed charges must be promptly reported to the Company or its billing agent. Adjustments to Customer's bills shall be made to the extent that circumstances exist which reasonably indicate that such changes are appropriate. The Customer shall pay outstanding charges in full within 30 days of the invoice date.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.7 Payment Arrangements & Credit Allowances (Cont'd)

2.7.1 Payments of Rates, Charges, & Deposits (Cont'd)

(C) Deposits

The Company reserves the right to examine the credit record of the Customer. If the Customer's financial condition or credit history is unknown or unacceptable to the Company, the Customer may be required to provide the Company with a security deposit which the Company may apply against overdue charges. The amount of the security deposit shall not exceed the actual or estimated rates and charges for the service for a two month period. The fact that a security deposit has been made in no way relieves the customer from complying with the Company's regulations as to the prompt payment of bills at presentation. At any time, at its option, the Company may return the deposit or credit it to the Customer's account. When the service to the Customer is terminated, the amount of deposit will be credited to the Customer's account and any credit balance which may remain will be refunded.

(D) Taxes and Fees

The Company reserves the right to bill any and all applicable taxes and fees in addition to normal rates and charges for services provided to the Customer. Taxes and fees include, but are not limited to: Federal Excise Tax, State Sales Tax, Municipal Tax, and Gross Receipts Tax. Such taxes and fees are in addition to rates as quoted in this tariff and will be itemized separately on Customer invoices.

2.7.2 Credit Allowance for Service Interruptions

2.7.2.1 An interruption period begins when the Customer reports a circuit, service or facility to be interrupted and releases it for testing and repair. An interruption period ends when the circuit, service or facility is operative. If the Customer reports an interruption but declines to release the circuit, service or facility for testing and repair, no interruption period will be deemed to exist.

2.7.2.2 A credit allowance is applied on a pro rata basis, dependent on the duration of the interruption, against the monthly recurring charges payable by customer under this tariff, and shall be expressly indicated on the next Customer bill. Only those facilities on an interrupted portion of a circuit, service or facility will receive a credit.

2.7.2.3 For the calculation of credit allowance, every month is considered to have 30 days. A credit allowance will be calculated for any service interruption.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.7 Payment Arrangements and Credit Allowances (Cont'd)

2.7.3 Interest on Customer Overpayments

A Customer who makes a payment to the Company in excess of the correct charge for telephone service, which overpayment was caused by erroneous billing by the Company, shall be paid interest on the amount of the overpayment. The rate of interest on such amount shall be the greater of the unadjusted customer deposit rate or the applicable late payment rate. The interest shall be paid from the date when the Customer overpayment was made, adjusted for any changes in the deposit or late payment charge rates and compounded monthly until the date when the overpayment is refunded within 30 days after such overpayment is received by the Company.

2.8 Cancellation of Service or Application for Service

(A) Cancellation of Service

The Customer may have service discontinued upon written notice to the Company. The Company shall hold the Customer responsible for payment of all bills for service furnished until the cancellation date specified by the Customer or until the date that the written cancellation notice is received, whichever is later. If Customer cancels a service order or terminates service before the completion of the term of service specified in the service order for any reasons, Customer agrees to pay to Company all costs, fees and expenses reasonably incurred in connection with special construction and with the term of service. In addition, Customer may be liable for termination charges up to a maximum amount equal to the total of charges applicable for the remaining term specified in the service order (discounted to present value).

(B) Cancellation of Application of Service

Applications for service are non-cancelable unless the Company otherwise agrees. Where the Company permits the Customer to cancel an application for service prior to start of service or prior to any special construction, no charges will be imposed except as may be specified in this section and Section 3.

Where, prior to cancellation by the Customer, the Company incurs any expenses in installing the service or in preparing to install the service that it otherwise would not have incurred, a charge equal to the costs the Company incurred, less net salvage, shall apply, but in no case shall this charge exceed the sum of the charge for the minimum period of services ordered, including installation charges, and all charges others levy against the Company that would have been chargeable to the Customer had service begun. These charges will be calculated and applied on a case by case basis.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.9 Refusal or Discontinuance by the Company

Service continues to be provided until canceled by the Customer, in writing, or until discontinued by the Company as set forth below. The Company reserves the right to discontinue service when necessitated by conditions beyond its control, or when the Customer is using the service in violation of the provisions of this tariff, or in violation of the law without incurring any liability. The Company may render bills subsequent to the termination of service for charges incurred before termination.

The Company reserves the right to discontinue service, limit service, or to impose requirements on Customers as required to meet changing regulatory or statutory rules and standards, or when such rules and standards have adverse material affect on the business or economic feasibility of providing service, as determined by the Company in its reasonable judgment without incurring any liability.

In addition, the Company may discontinue service without incurring any liability:

2.9.1 For Nonpayment: The Company, by written notice to the Customer and in accordance with applicable law may discontinue service or cancel an application for service without incurring any liability when there is an unpaid balance for service that is more than 30 days overdue.

2.9.2 For Lack of Use: The Company, by written notice to the Customer, may discontinue service in the same manner as provided for nonpayment of overdue charges if after sixty (60) days the service has not been used.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.9 Refusal or Discontinuance by the Company (Cont'd)

2.9.3 For any violation of law or any of the provisions governing the furnishing of service under this tariff: The Customer shall be subject to discontinuance of service, without notice, for any violation of any law, rule, regulation or policy of any government authority having jurisdiction over service, or by reason of any order or decision of a court or other government authority having jurisdiction which prohibits the Company from furnishing such service.

2.9.4 For the Company to comply with any order or request of any governmental authority having jurisdiction: The Customer shall be subject to discontinuance of service, without notice, for the Company to comply with any order or request of any governmental authority having jurisdiction.

When Access Service is provided by more than one Company, the companies involved in providing the joint service may individually or collectively deny service to a customer for nonpayment. Where the Company(s) affected by the nonpayment is incapable of effecting discontinuance of service without cooperation from the other joint providers of Switched Access Service, such other Company(s) will, if technically feasible, assist in denying the joint service to the Customer. Service denial for such joint service will only include calls originating or terminating within, or transiting, the operating territory of the Companies initiating the service denial for nonpayment.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.10 Restoration of Service

If service has been discontinued for nonpayment or as otherwise provided herein and the Customer wishes it continued, service shall, at the Company's discretion, be restored when all past due amounts are paid or the event giving rise to the discontinuance (if other than nonpayment) is corrected.

If a service is disconnected by the Company in accordance with Section 2.9 preceding and later restored, restoration of service will be subject to all applicable installation charges.

2.11 Changes in Equipment and Services

Upon receipt of a written request from Customer, Company will add, delete or change locations or features of specific circuits and/or equipment. Customer shall be liable for non recurring charges for such change. If a request for deletion of a service represents a cancellation prior to the applicable term of service, Customer will be subject to Company's termination charges.

2.12 Use of Recording Devices

Customer and Authorized Users who use recording devices do so at their own risk. A Customer or Authorized User may only use a recording device if the Customer or Authorized User complies with the requirements of this section and only if the Customer or Authorized User is able to connect or disconnect the recording device, or turn the recording device on or off, at will.

2.12.1 A Customer or Authorized User may record a conversation if the Customer or Authorized User obtains written or verbal consent to the recording of all parties to the conversation prior to or at the beginning of the conversation.

2.12.2 A distinctive recorder tone must be repeated at intervals of approximately fifteen (15) seconds to alert all parties to the conversation that a recording device is being used.

2.12.3 The requirements of 2.12.1 and 2.12.2 are waived for Broadcast licensees who use a recording device to record a conversation for broadcast if all parties to the conversation are aware that the conversation will be broadcast.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.13 Assignment

2.13.1 Company may, without obtaining any further consent from Customer, assign any of its rights, privileges or obligations under this tariff to any subsidiary, parent company or affiliate of Company; pursuant to any sale or transfer of substantially all the business of Company; or pursuant to any financing, merger, merger or reorganization of Company.

2.13.2 Customer may, upon prior written consent of Company, which consent shall not be unreasonably withheld, assign its rights, privileges or obligations under this tariff to any subsidiary, parent Company or affiliate of Customer; pursuant to any sale or transfer of substantially all the business of Customer; or pursuant to any financing, merger or reorganization of Customer. Any attempt of Customer to privileges or obligations under this tariff without the consent of Company shall be null and void.

2.14 License, Agency or Partnership

No license, express or implied, is granted by Company to Customer by virtue of an agreement for the furnishing of service hereunder. Neither Customer nor any joint or authorized users shall represent or otherwise indicate to its customers or others that the Company jointly participates in the Customer's or joint user's services. The relationship between Company and Customer shall not be that of partners or agents for one or the other, and shall not be deemed to constitute a partnership or agency agreement, unless such relationship or agreement is expressly agreed to in writing by both Company and Customer.

2.15 Proprietary Information

Neither Company nor Customer or any joint or authorized user shall disclose any plans, drawings, trade secrets or other proprietary information of the other party

2.16 Company's Right to Assign, Designate, or Change Telephone Number

The Company reserves the reasonable right to assign, designate, or change telephone numbers, any other call number designation associated with Access Services, or the Company serving central office prefixes associated with such numbers, when necessary in conduct of its business.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.17 Identification and Rating of VoIP-PSTN Traffic

(A) Scope

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 No. 10-90, *etc.*, FCC Release No. 11-161 (November 18, 2011) ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Toll VoIP-PSTN Traffic") from the customer's traditional intrastate access traffic, so that such Toll VoIP-PSTN Traffic can be billed in accordance with the FCC Order. The term "Toll VoIP-PSTN Traffic" denotes a customer's interexchange voice traffic exchanged with the Telephone Company in Time Division Multiplexing format over Public Switched Telephone Network (PSTN) facilities, which originates and / or terminates in Internet Protocol (IP) format. "Toll VoIP-PSTN Traffic" originates and/or terminates in IP format when it originates from and / or terminates to an end user customer of a service that requires IP-compatible customer premises equipment.

(B) Rating of VoIP-PSTN Traffic

The Toll 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 the Telephone Company's applicable federal access tariff.

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

The Telephone Company will determine the number of Toll 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 terminating intrastate access MOU received by the Telephone Company from the customer. The PVU will be derived and applied as follows:

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

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

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

- (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 terminates to the Telephone Company in the State that is sent to the Telephone Company and that originated in IP format. This PVU shall be based on information such as traffic studies, actual call detail, or other relevant and verifiable information.
- (2) The Telephone Company will apply the PVU factor to the total terminating intrastate access MOU received from the customer to determine the number of Toll VoIP-PSTN Traffic MOUs.
- (3) If the customer does not furnish the Telephone Company with a PVU pursuant to the preceding paragraph 1, the Telephone Company will utilize a PVU equal to zero.

(D) Initial Implementation of PVU Factor

The Telephone Company will apply the Initial PVU factor on the next bill date provided that the PVU factor and the relevant and verifiable supporting documentation described above are provided to the Telephone Company at least 15 days prior to the next bill date. A factor received less than 15 days before the next bill date, will be applied on the bill date following the next bill date unless otherwise agreed to by the Telephone Company and the customer. Otherwise, the Telephone Company will set the initial PVU equal to zero, as specified in subsection (C)(3), above.

(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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

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

(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.

The customer-provided PVU and supporting documentation for the factor shall be based on information that is verifiable by the Telephone Company, including but not limited to the number of the customer's retail VoIP subscriptions in the state (*e.g.* as reported on FCC Form 477), traffic studies, actual call detail or other relevant and verifiable information.

2.18. Definitions

Certain terms used herein are defined as follows:

800 Series Service

800 Series Service is a generic term for access services associated with toll free numbers, which include 800, 888, 877, 866, 855, 844, 833 and 822.

800 Series Data Base Access Service

800 Series Data Base Access Service is a generic term for data base access services associated with toll free numbers, which include 800, 888, 877, 866, 855, 844, 833 and 822.

Access Code

The term "Access Code", with the exception of Feature Group B (FGB) with an Abbreviated Dial Arrangement (ADA), denotes a uniform access code assigned by the Telephone Company to an individual customer in the form of 10XXX or 101XXX X and 950-XXXX.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Access Minutes

For the purpose of calculating chargeable usage, the term "Access Minutes" denotes customer usage of exchange facilities in the provision of intrastate or foreign service. On the originating end of an intrastate 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 intrastate 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 intrastate or foreign call shall terminate when the calling or called party disconnects, whichever event is recognized first in the originating and terminating exchanges, as applicable.

Access Tandem

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

Aggregator

The term "Aggregator" denotes any entity that, in the ordinary course of its operations, makes telephones available to the public or to transient users of its premises, for intrastate telephone calls using a provider of operator services.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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 a.m. to 5:00 or 6:00 p.m., respectively, with an hour for lunch, Monday through Friday, resulting in a standard forty (40) hour work week. However, Business Day hours for the Telephone Company may vary based on company policy, union contract and location. To determine such hours for an individual company, or company location, that company should be contacted at the address shown under the Issuing Carrier's name listed on the Title Pages of this tariff.

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 specified 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 complete address information (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

See End Office.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Central Office Maintenance Technician

The term "Central Office Maintenance Technician" denotes a Telephone Company employee who performs installation and/or repair work, including testing and trouble isolation, within the Telephone Company Central Office.

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.

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 error, and remote loop back.

Channelize

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

Clear Channel Capability

The term "Clear Channel Capability" denotes the ability to transport twenty-four 64 Kbps over a DS1 Mbps High Capacity service via a B8ZS line code format.

C-Message Noise

The term "C-Message Noise" denotes the frequency weighted average noise within 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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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

See Pay Telephone.

Committed Information Rate

The term "Committed Information Rate" denotes the transmission speed specified by the customer at which the Frame Relay Access Service network commits to transfer data between two ports.

Common Line

The term "Common Line" denotes a line, trunk, pay telephone line or other facility provided under the general and/or 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 general and/or local exchange service tariffs. A common line-business is a line provided under the business regulations of the general and/or local exchange service tariffs.

Common Channel Signaling

The term "Common Channel Signaling" (CCS) denotes a high speed packet switched communications network which is separate (out of band) from the public packet switched and message networks. Its purpose is to carry addressed signaling messages for individual trunk circuits and/or database related services between Signaling Points in the CCS network.

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.

Customer(s)

The term "Customer(s)" denotes any individual, partnership, association, joint-stock company, trust, corporation, or governmental entity or other entity which subscribes to the services offered under this tariff, including both Interexchange Carriers (ICs) and End Users.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Customer Designated Premises

The term "Customer Designated Premises" denotes the premises specified by the customer for the provision of Access Service.

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

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 of the ratio of two signal powers.

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 O

The term "Decibel Reference Noise C-Message Referenced to O" 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 Switched 56 Service

A switched access optional feature available with Feature Group D Access, which provides for data transmission at up to 56 Kilobits per second.

Direct-Trunked Transport

The term "Direct-Trunked Transport" denotes transport from the serving wire center to the end office or from the serving wire center to the access tandem on circuits dedicated to the use of a single customer.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. 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 or 555-1212.

Directory Assistance Location (Intrastate)

The term "Directory Assistance Location" denotes a Telephone Company office where telephone company equipment first receives the Directory Assistance call from the customer's end user and selects the first operator position to respond to the Directory Assistance call.

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 path.

Echo Path Loss

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.

Echo Return Loss

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.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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's 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

The term "End 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. This term includes Remote Switching Modules/Systems served by a Host Central Office in a different wire center.

End User

The term "End User" means any customer of an intrastate 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.

Enhanced Service

The term "Enhanced Service", as defined in Part 64 of the FCC's Rules and Regulations, are services "...offered over common carrier transmission facilities used in intrastate communications, which employ computer processing applications that act on the format, content, code, protocol or similar aspects of the subscriber's transmitted information; provide the subscriber additional, different, or restructured information; or involve subscriber interaction with stored information."

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 designated premises.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Entry Switch

See First Point of Switching.

Envelope Delay Distortion

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

Equal Level Echo Path Loss

The term "Equal Level Echo Path Loss" (ELEPL) 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)].

Exchange

The term "Exchange" denotes a unit generally smaller than a local access and transport area, 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. The exchange includes any Extended Area Service area that is an enlargement of a Telephone Company's exchange area to include nearby exchanges. One or more designated exchanges comprise a given local access and transport area.

Exit Message

The term "Exit Message" denotes an SS7 message sent to an end office by the Telephone Company's tandem switch to mark the Carrier Connect Time when the Telephone Company's tandem switch sends an Initial Address Message to an interexchange customer.

Expected Measured Loss

The term "Expected Measured Loss" denotes a calculated loss which specifies the end-to-end 1004-Hz loss on a terminated test connection between two readily accessible manual or remote test points. It is the sum of the inserted connection loss and test access loss including any test pads.

Extended Area Service

See Exchange.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Extended PVC

The term "Extended PVC" denotes the interconnection of a port on a telephone company's frame relay switch with a port on another interconnected telephone company's frame relay switch.

First Point of Switching

The term "First Point of Switching" denotes 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 designated 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 customer designated premises.

Frame

The term "Frame" denotes a group of data bits in a specific format, which enables network equipment to recognize the meaning and purpose of the specific bits.

Frame Relay Access Customer Port

The term "Frame Relay Access Customer Port" denotes the physical location in the telephone company switching offices where the access customer's special access facility connects to the telephone company's Frame Relay Access Service network. It specifies how a frame relay switch sends and receives data from a frame relay access customer's network.

Frame Relay Access Service

The term "Frame Relay Access Service" denotes a medium-speed, connection-oriented packet-switched data service that allows for the interconnection of Local Area Networks or other compatible end user customer premises equipment for the purpose of connecting to an access customer's intrastate network.

Frame Relay End User Port

The term "Frame Relay End User Port" denotes the physical location in the telephone company switching office where the special access facility of the customer connects to the Frame Relay Access Service Network. It receives the data frame from the end user customer's Local Area Network or other compatible CPE devices and verifies that the end user connection and the corresponding access customer connection are valid before relaying the frame to the destination end point.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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 Central Office

The term "Host Central Office" denotes an electronic local Telephone Company End Office where Telephone Exchange Service customer station loops are terminated for purposes of interconnection to each other and to trunks. Additionally, this type of End Office contains the central call processing functions which service itself and its Remote Switching Modules/Systems.

Hub

A wire center at which bridging or multiplexing functions are performed for customers served out of any wire center.

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, U.S. Postal Money Orders and New York Certificates of Deposit.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Individual Case Basis

The term "Individual Case 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.

Initial Address Message

The term "Initial Address Message" denotes an SS7 message sent in the forward direction to initiate trunk set up, reserve an outgoing trunk and process the information about that trunk along with other data relating to the routing and handling of the call to the next switch.

Inserted Connection Loss

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 end through the inserted connection.

Installation and Repair Technician

The term "Installation and Repair Technician" denotes a Telephone Company employee who performs installation and/or repair work, including testing and trouble isolation, outside of the Telephone Company Central Office and generally at the customer designated premises.

Interexchange Carrier (IC) or Interexchange Common Carrier

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

Intermediate Hub

A wire center at which bridging or multiplexing functions are performed only for customers served by that wire center and wire centers that subtend the hub, as specified in National Exchange Carrier Association, Inc. Tariff F.C.C. NO. 4.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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).

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.

Legal Holiday

The term "Legal Holiday" denotes days other than Saturday or Sunday for which the Telephone Company is normally closed. These include New Year's Day, Independence Day, Thanksgiving Day, Christmas Day and a day when Washington's Birthday, Memorial Day or Columbus Day is legally observed and other locally observed holidays when the Telephone Company is closed.

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.

Local Area Network

The term "Local Area Network" denotes a network permitting the interconnection and intercommunication of a group of computers.

Loss Deviation

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

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Major Fraction Thereof

The term "Major Fraction Thereof" denotes any period of time in excess of 1/2 of the stated amount of time. As an example, in considering a period of 24 hours, a major fraction thereof would be any period of time in excess of 12 hours exactly. Therefore, if a given service is interrupted for a period of thirty-six hours and fifteen minutes, the customer would be given a credit allowance for two twenty-four hour periods for a total of forty eight hours.

Message

The term "Message" denotes a "call" as defined preceding.

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 denominations, 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.

North American Numbering Plan

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

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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 a coin or coinless instrument provided in a public or semipublic place where Payphone Service Provider customers can originate telephonic communications and pay the applicable charges by (1) inserting coins into the equipment, or (2) using a credit card, or (3) third party billing the call or (4) calling collect.

Payphone Service Provider

The term "Payphone Service Provider" denotes any entity that provides pay telephone service, which is the provision of public, semi-public or inmate pay telephone service.

Permanent Virtual Connection (PVC)

The term "PVC" denotes a software defined communications path between two port connections within the Frame Relay Access Service network.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Premises

The term "Premises" denotes a building or buildings on continuous property (except Railroad right-of-way, etc.) not separated by a public highway.

Release Message

The term "Release Message" denotes an SS7 message sent in either direction to indicate that a specific circuit is being released.

Remote Switching Modules/Systems

The term "Remote Switching Modules/Systems" denotes small, remotely controlled electronic end office switches which obtain their call processing capability from an electronic Host Central Office. The Remote Switching Modules/Systems cannot accommodate direct trunks to an IC.

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 FCC's Rules and Regulations.

Service Access Code

The term "Service Access Code" denotes a 3 digit code in the NPA format which is used as the first three digits of a 10 digit address and which is assigned for special network uses. Whereas NPA codes are normally used for identifying specific geographical areas, certain Service Access Codes have been allocated in the North American Numbering Plan to identify generic services or to provide access capability. Examples of Service Access Codes include the 800 and 900 codes.

Service Switching Point (SSP)

A Service Switching Point denotes an end office or tandem which, in addition to having SS7 and SP capabilities, is also equipped to query centralized data bases.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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.

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 term "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 (SP)

The term "Signaling Point (SP)" denotes an SS7 network interface element capable of originating and terminating SS7 trunk signaling messages.

Signaling Point of Interface (SPOI)

The term "Signaling Point of Interface (SPOI)" denotes the customer designated location where the SS7 signaling information is exchanged between the Telephone Company and the customer.

Signaling System 7 (SS7)

The term "Signaling System 7 (SS7)" denotes the layered protocol used for standardized common channel signaling in the United States and Puerto Rico.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Signal Transfer Point (STP)

The term "Signal Transfer Point (STP)" denotes a packet switch which provides access to the Telephone Company's SS7 network and performs SS7 message signal routing and screening.

Signal Transfer Point (STP) Port

The term "Signal Transfer Point (STP) Port" denotes the point of termination and interconnection to the STP.

Signaling Return Loss

The term "Signaling 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 Order

The term "Special Order" denotes an order for a Directory Assistance Service.

Standard PVC

The term "Standard PVC" denotes the interconnection of ports on the same frame relay switch.

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.

Super Intermediate Hub

A wire center at which bridging or multiplexing functions are performed for Customers served by all wire centers in the LATA. A Super Intermediate Hub can be restricted to one or more designated NPAs within a LATA and/or to wire centers that are owned by the same telephone company as the hub.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

Tandem Switched Transport

The term "Tandem Switched Transport" denotes transport from the serving wire center to the end office, or from the tandem to the end office, that is switched at a tandem.

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.

Terminus Hub

A wire center at which bridging or multiplexing functions are performed only for Customers served directly by the same wire center.

Throughput

The term "Throughput" denotes the number of data bits successfully transferred in one direction per unit of time.

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 responder 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.

INTRASTATE DOMESTIC ACCESS SERVICES

2. General Regulations (Cont'd)

2.18. Definitions (Cont'd)

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.

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).

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 and horizontal coordinates of the two points.

WATS Serving Office

The term "WATS Serving Office" denotes a Telephone Company designated serving wire center where switching, screening and/or recording functions are performed in connection with the closed-end of WATS or WATS-type services.

Wireless Switching Center

The term "Wireless Switching Center" (WSC) denotes a Wireless Service Provider (WSP) switching system that is used to terminate wireless stations for purposes of interconnection to each other and to trunks interfacing with the public switched network.

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.

Zones

The Company offers intrastate domestic access services in locations where AT&T (f.k.a. BellSouth Telecommunications) and CenturyTel (CT) are the incumbent local exchange access providers. In locations where AT&T is the incumbent provider Zone 1 intrastate domestic access rates will apply to the Company's customer. In locations where CT is the incumbent provider Zone 2 intrastate domestic access rates will apply to the Company's customer.

INTRASTATE DOMESTIC ACCESS SERVICES

3. ACCESS ORDERING

3.1 General

This section sets forth the regulations and order related charges for Access Service Requests (ASR) for Switched and Special Access Services as defined in this tariff. These charges are in addition to other applicable charges set forth in other sections of this tariff.

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

This section also sets forth the regulations and order related charges for Local Service Requests (LSR). This includes when a carrier submits a LSR to switch a customer's local service from the Company to the requesting carrier.

3.1.1 Ordering Conditions

All services offered under this tariff will be ordered using an ASR. The format and terms of the ASR will be as specified in the Industry Access Service Order Guidelines, unless otherwise specified herein. 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.

The Customer shall provide all information necessary for the Company to provide and bill for the requested service. When placing an order for Access Service, the Customer shall provide the following minimum information:

1. Customer name and premises address(es).
2. Billing name and address (when different from customer name and address).
3. Customer contact name(s) and telephone number(s) for the following provisioning activities: order negotiation, order confirmation, interactive design, installation and billing.

The order date is the date on which the Company receives a firm commitment and sufficient information from the Customer to allow processing of the ASR.

3.1.2 Service Installation

The Company will provide the Access Service in accordance with the Customer's requested service date, subject to the constraints established by the Company schedule of applicable service dates.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.1 General (Cont'd)

3.1.2 Service Installation (Cont'd)

The Company shall make available to all customers, upon request, a schedule of applicable service intervals for Switched and Special Access Services. The schedule shall specify the applicable service intervals for services and the quantities of services that can be provided by a requested service date. Any associated material will be provided upon request and within a reasonable period of time.

The Company at its option, may not accept orders for service dates which exceed the applicable service date by more than six months.

Access Services will be installed during Company business days. If a customer requests that installation be done outside of scheduled work hours, and the Company agrees to this request, the customer will be subject to applicable Additional Labor Charges as set forth in Section 10 following. This also applies to non-routine installation and special construction as set forth in Section 2.1.11 and 2.1.12

3.1.3 Expedited Orders

When placing an Access Order, a customer may request a service date that is prior to the assigned service date. A customer may also request an earlier service date on a pending or negotiated Access Order. If the Company agrees to provide the service on an expedited basis, an Expedited Order Charge will apply in addition to the additional labor cost or extraordinary costs that are required to meet the requested service date. The Company will provide the Customer with an estimate of additional cost. Upon the Customer's agreement, the Company will proceed with the requested service date.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.1.3 Expedited Orders (Cont'd)

A customer may request a change of end user premises within the same serving wire center. If the Customer requests an earlier service date, an Expedited Order Charge will apply.

When the request for expediting occurs subsequent to the issuance of the Access Order, a Service Date Change Charge as set forth in 17.4.1(B) following will also apply.

When an expedited service date is missed, the Expedited Order Charge will apply unless the missed service date is caused by the Company

3.1.4 Selection of Facilities for Access Orders

The option to request a specific transmission path or channel is only provided for High Capacity Facilities Special Access, or as provided for under Special Facilities Routing as set forth in Section 8 following.

When there are 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 Company will make a reasonable effort to accommodate the Customer request.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.2 Ordering Requirements

An ASR is required by the Company to provide a Customer both Switched and Special Access Service, as described herein. An ASR will be required for each new similar service arrangement or group of common circuits.

(A) Switched Access Service

When a customer requests new or additional Switched Access Services, one or more access orders may be required. The number of orders required is dependent on the type of services and/or facilities being requested.

When placing an order for service, the Customer shall specify whether the service is to be provided as Direct Trunked Transport or Tandem Switched Transport, as described in Section 5.1.3 following. If the Customer orders Tandem Switched Transport the following information should be provided in addition to the basic trunk side Switched Access Service arrangement information.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.2 Ordering Requirements (Cont'd)

When all or a portion of service is ordered as Direct Trunked Transport, 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.

When the Customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the Customer will be provided Alternate Traffic Routing as set forth in 5.4.4.1 (c) following.

When placing an order for Switched Access Service, the Customer shall provide:

1. The number of trunks desired between customer designated premises and an entry switch or Operator Transfer Service location;
2. Optional Features
3. A projected percentage of intrastate use (PSU) as set forth in 2.3.9 preceding.

When ordering by trunk to an access tandem, the Customer must also provide the Company with an estimate of the amount of traffic it will generate to and/or from each end office subtending the access tandem to assist the Company in its own efforts to project further facility requirements.

When a customer orders Switched Access Service in trunks, the customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

(1) Operator Transfer Service

For the Operator Transfer Service Option ordered in conjunction with FGD Switched Access Service as set forth in 5.4.5 (a) following, the Customer must specify the number of trunks desired between its premises and the Company operator services location. Operator Transfer Service is provided where available.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.2 Ordering Requirements (Cont'd)

(2) SS7 Optional Feature

When FGD is ordered with the SS7 optional feature, the Customer shall specify a reference to existing signaling connections or reference a related SS7 signaling connection order. When ordering SS7 signaling, the Customer shall provide the Signaling Transfer Point codes, location identifier codes and circuit identifier codes. In addition, the Customer shall work cooperatively with the Company to determine the number of SS7 signaling connections required to handle its signaling traffic.

For 800 Data Base Access Service, as described in 5.4.5 (c) following, the Customer must order FGD to those access tandems or end offices designated as Service Switching Points (SSP) for 800 data base service or to those non-SSP equipped end offices that can accommodate direct trunking of originating 800 calls. All traffic originating from end offices not equipped to provide SS7 signaling and routing or not able to accommodate direct trunking of originating 800 calls require routing via an access tandem where SSP functionality is available.

(B) Special Access Service

When placing an order for Special Access Service the Customer must specify:

1. The Customer designated premises or hubs involved;
2. Type of service (e.g. Voice Grade or High Capacity);
3. The channel interface(s);
4. For multipoint services, the channel interface at each customer designated premises may, at the request of the Customer, be different but all such interfaces shall be compatible; and
5. That the traffic consists of more than ten percent intrastate traffic.

When ordering bridging and/or multiplexing, the Customer must specify the Company hub(s) from which they desire service. The Customer must specify only those hubs that provide the type of service ordered and interconnect with the wire center(s) from which the Customer requires service.

(C) Miscellaneous Services

Testing Service, Maintenance of Service, Telecommunications Service Priority, Additional Labor shall be ordered with an Access Order or may subsequently be added to a pending order at any time up to and including the service date for the Access Service, with the agreement of the Company.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.2 Ordering Requirements (Cont'd)

When added subsequently, a service date change maybe required. When a service date change is required, the service date change charge as set forth in 17.4.1(B) following will apply. When miscellaneous services are added to a pending order, charges for a Design Change as set forth in Section 17.4.1 (C) will apply if an engineering review is required.

The rates and charges for these services, as set forth in Section 17.4.2 of this tariff, will apply in addition to the ordering charges set forth in Section 17, and the rates and charges for the Access Service with which they are associated.

Additional engineering is not an ordering option, but will be applied to an ASR when the Company determines that Additional Engineering is necessary to accommodate a customer request. Additional Engineering will be provided by the Company at the request of the Customer only when a Customer requests technical information included on the Design Layout Report as set forth herein. The Customer will be notified when Additional Engineering is required, 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 by the Company that Additional Engineering is required, the Customer may cancel the order and no charges will apply.

3.3 Access Orders For Services Provided By More Than One Company

Access Services provided by more than one Company are services where one end of the Local Transport or Channel Mileage element is in the operating territory of one Company and the other end of the element is in the operating territory of a different Company.

The ordering procedure for this service is dependent upon the billing arrangement, as set forth in 2.3.13 preceding, to be used by the Companies involved in providing the Access Service. The Company will notify the customer which of the ordering procedures will apply.

Each Company will provide its portion of the Access Service within its operating territory to an interconnection point(s) with the other Company(s). Billing Percentages will be determined by the Companies involved in providing the Access Service. Each Company will bill the customer for its portion of the service as set forth in 2.3.14. All other appropriate charges in each Company tariff are applicable.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.3 Access Orders For Services Provided By More Than One Company (Cont'd)

For the service(s) ordered as set forth following, the customer must also supply a copy of the order to the Company in whose operating territory a customer designated premises is located and any other Company(s) involved in providing the service.

- (A) For Feature Group D Switched Access Services, the customer must place an order with the Company in whose territory the end office is located. Customers may, at their option, order FGD to the access tandem. When ordered to the access tandem, and the access tandem and the end office are not in the same Company operating territory, the customer must also supply a copy of the order to each additional Company subtending the access tandem.
- (B) Customers ordering Special Access Service to be interconnected with Switched Access Services at Company designated WATS Serving Offices for the provision of WATS or WATS-type Services must place an order with each Company in whose territory the end office and the WATS Serving Office are located, if they are not collocated.
- (C) Except for Special Access Service as set forth in (B) above or as set forth in (D) below, the customer may place the order for a Special Access Service with either Company.
- (D) For Special Access Service involving a hub(s) the customer must place the order with the Company(s) in whose territory the hub(s) is located.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering

3.4.1 Access Order Charge

The Access Order Charge is applied to all customer requests for new Special and Switched Access Service. In addition, the Access Order Charge is applicable to customer requests for additions, changes or rearrangements to existing Special and Switched Access Service with the following exceptions:

The Access Order Charge does not apply:

- When a Service Date Change Charge is applicable;
- When a Design Change Charge is applicable;
- To administrative changes as set forth in 5.4.1 following;
- When a change to a pending order does not result in the cancellation of the pending order and the issuance of a new order;
- When a Miscellaneous Service Order Charge is applicable;
- When a Company initiated network reconfiguration requires a customer's existing access service to be reconfigured;

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering (Cont'd)

3.4.1 Access Order Charge (Cont'd)

- When a service with an ICB rate is converted to a similar service with a non-ICB tariff rate prior to the expiration of the ICB; or
- When a Billing Name and Address Order charge is applicable.
- When a Presubscription Charge is applicable;

The Access Order Charge will be applied on a per order basis to each order received by the Company or copy of an order received by the Company pursuant to 3.3 preceding, as set forth in this and other sections of this tariff.

The Access Order Charge will be applied on a per order basis for any change, rearrangement or addition to the delivery of signaling to an existing STP Port.

3.4.2 Miscellaneous Service Order Charge

A Miscellaneous Service Order Charge, as set forth in 17.4.1(D) following, applies to any service, or combination of services ordered simultaneously from Section 10. of the Tariff for which a service order is not already pending (with the exception of Presubscription (6), which does not have the charge applied). The Miscellaneous Service Order Charge is an administrative charge designed to compensate for the expenses associated with service order issuance.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering (Cont'd)

3.4.2 Miscellaneous Service Order Charge (Cont'd)

The charge always applies to the following services since a pending service order would not exist:

- Overtime Repair (10.2.2);
- Testing and Maintenance with Other Companies other than when in conjunction with Acceptance Testing (10.2.4);
- Other Labor (10.2.5); and
- Maintenance of Service (10.3.2).

The Miscellaneous Service Order Charge will also apply to the following services if they are ordered subsequent to the initial installation of the associated access service, thereby necessitating the issuance of another service order:

- Telecommunications Service Priority (10.3.3);

The charge does not apply to the following services since there would exist a pending service order:

- Additional Engineering (10.1);
- Overtime Installation (10.2.1);
- Standby (10.2.3);
- Additional Cooperative Acceptance Testing (10.3.1 (1))

3.4.3 Access Order Change Charges

Access Order changes involve service date changes and design changes. The customer may request a change of its Access Order prior to the service date. The Company will make every effort to accommodate a requested change when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the change cannot be made with the normal work force during normal business hours, the Company will notify the customer. If the customer still desires the Access Order change, the Company will schedule a new service date. All charges for Access Order change as set forth in 17.4.1 (B) and (C) will apply on a per occurrence basis.

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

If order changes are necessary to satisfy the transmission performance for a Special Access Service ordered by a customer, these changes will be made without order change charges being incurred by the customer.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering (Cont'd)

3.4.3 Access Order Change Charges (Cont'd)

(A) Service Date Change

The customer may request a change of service date on a pending Access Order prior to the service date. A change of service date is a change of the scheduled service date by the customer to either an earlier date or a later date which does not exceed 30 calendar days from the original service date.

If the Company determines that the customer's request can be accommodated without delaying the service dates for orders of other customers, the service date will be changed and the Service Date Change Charge, as set forth in 17.4.1(B) following, will be applied to the order.

If the service date is changed to an earlier date, and the 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 Company that Expedited Order Charges as set forth in 3.1.3 following apply. Such charges will apply in addition to the Service Date Change Charge.

If the requested service date exceeds 30 calendar days following the original service date, and the Company determines that the customer's request can be accommodated, the Company will cancel the original order and apply the Cancellation Charges as set forth in 3.5.2 following. A new Access Order with a new service date will be issued. The Service Date Change Charge will not apply, however, the Access Order Charge will apply to the new order.

If the service date is changed due to a design change as set forth in (B) following, the Service Date Change Charge will apply.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering (Cont'd)

3.4.3 Access Order Change Charges (Cont'd)

(B) Design Change

The Customer may request a design change to the service ordered prior to the requested service date. A design change is any change to an Access Order which requires engineering review. An engineering review is a review by the 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 change include such things as the addition or deletion of optional features or functions or a change in the type of Transport 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 to a different serving wire center or end office switch. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.4 Charges Associated with Access Ordering (Cont'd)

3.4.3 Access Order Change Charges (Cont'd)

(B) Design Change (Cont'd)

The Company will review the requested changes, notify the customer whether the change is a design change, if the change can be accommodated and if a new service date is required. If the Customer authorizes the Company to proceed with the design change, a Design Change Charge as set forth in Section 17.4.1 (C) following will apply in addition to the charge for Additional Engineering as set forth in 17.4.2 following. If a change of service date is required, the Service Date Change Charge as set forth in 17.4.1 (B) following will also apply. The Access Order Charge as specified in 17.4.1 following does not apply.

A Design Change Charge will apply, on a per order, per occurrence basis.

3.4.4 Carrier Service Order Charge

(A) Description

The Carrier Service Order Charge (also known as the Secondary Service Order Charge) applies per customer request for the receiving, recording, and processing of customer request to change services or add new or additional services. The Carrier Service order charge will also apply when a carrier submits a Local Service Request (LSR) to switch a customer's local service from the Company to the requesting carrier. This charge applies when LSR rates have not been established pursuant to an interconnection agreement between Knology and the requesting carrier.

Rates:

Applies per customer request	Residential	Business
(a) Each	\$15.00	\$15.00

3.5 Minimum Periods and Cancellations

3.5.1 Minimum Periods

The minimum period for Switched Access High Capacity DS3 Entrance Facilities and Direct Trunked Transport is as set forth in 5.1.3 following. The minimum period for High Capacity DS1 and DS3 Special Access Services is as set forth in 7.9.4 following.

Switched Access usage rate services (i.e. End Office Common Line, Tandem Switched Transport) have no minimum period. The minimum period for which all other Access Service is provided and for which charges are applicable is one month, even if service is discontinued prior to the expiration of the minimum period.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.5 Charges Associated with Access Ordering (Cont'd)

3.5.1 Minimum Periods (Cont'd)

The following changes will be treated as a discontinuance of the existing service and a request for installation of a new service. All associated Non-Recurring Charges will apply for the new service, and a new minimum period will be established:

- (1) A change in the identity of the Customer of record;
- (2) A move by the Customer to a different building;
- (3) A change in type of service;
- (4) A change in Switched Access Service Interface (i.e. DS1 or DS3);
- (5) A change in Switched Access Service Traffic Type;
- (6) A change in type of Special Access Service Channel Termination;
- (7) A change from 2-point to multipoint Special Access Service.

All applicable Non-Recurring Charges for the service will be billed in addition to the Minimum Period Charge.

3.5.2 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 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 or a customer's end user is unable to accept Access Service within 30 calendar days after the original service date, the customer has the choice of the following options:

1. The Access Order shall be canceled and charges set forth in (B) following will apply; or
2. Billing for the service will commence. 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.

INTRASTATE DOMESTIC ACCESS SERVICES

3. Access Ordering (Cont'd)

3.5 Charges Associated with Access Ordering (Cont'd)

3.5.2 Cancellation of an Access Order (Cont'd)

- (B) When a customer cancels an Access Order for the installation of service, a Cancellation Charge will apply as follows:
 - (1) Installation of Switched Access Service facilities is considered to have started when the 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 costs include the non-recoverable cost of equipment and material ordered, provided or used, plus the non-recoverable cost of installation and removal including the costs of engineering, labor, supervision, transportation, rights-of-way and other associated costs; or
 - (b) The minimum period charges for Switched or Special Access Service ordered by the Customer.
- (C) When a customer cancels an order for the discontinuance of service, no charges apply for the cancellation.
- (D) If the Company misses a service date by more than 30 days and such delay is not requested or caused by the customer (excluding those circumstances where the date is missed due to acts of God, governmental requirements, work stoppages and civil commotion), the customer may cancel the Access Order without incurring cancellation charges

INTRASTATE DOMESTIC ACCESS SERVICES

4. CARRIER COMMON LINE ACCESS SERVICES

4.1 General Description

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to customers in conjunction with Switched Access Service provided in Section 5 of this tariff.

Carrier Common Line Access Service provides for the use of Company common lines by customers for access to end users to furnish Intrastate Communications.

The Switched Access Service provided by the Company includes the Switched Access provided for both intrastate and intrastate communications. The Carrier Common Line Access rates and charges as set forth in 17.1 following apply to intrastate Switched Access Service access minutes.

INTRASTATE DOMESTIC ACCESS SERVICES

4. Carrier Common Line Access Services (Cont'd)

4.2 Obligation of the Customer

4.2.1 Switched Access Service Requirement

The Switched Access Service associated with Carrier Common Lines Access shall be ordered by the customer under other sections of this tariff.

4.2.2 Supervision

The Customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.

4.3 Determination of Usage Subject to Carrier Common Line Access Charges

Except as set forth herein, all Switched Access Service provided to the Customer will be subject to Carrier Common Line Access Charges.

When the Customer reports intrastate and intrastate use of Switched Access Service, the associated Carrier Common Line Access used by the Customer for intrastate will be determined as set forth in 2.3.9 preceding, (percent Intrastate Use-PSU).

INTRASTATE DOMESTIC ACCESS SERVICES

5. SWITCHED ACCESS SERVICES

5.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point communications path between a customer designated premises and an end user's premises. It provides for the use of common terminating , switching, and transport facilities and for the use of common subscriber plant of the Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer designated premises, and to terminate calls from a customer designated premises to an end user's premises.

Rates and charges are set forth in Section 17.2. The application of rates for Switched Access Service is described in Section 5.4 following.

The Operator Transfer Service, and 800 Series Data Base Access Service optional features are available with the FGD Switched Access Service.

5.1.1 Description and Provision of Switched Access Service Arrangements

(A) Description

1. 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.
2. FGD switching is provided with multi-frequency address signaling or SS7 out of band signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual-tone multi-frequency or dial-pulse address signals will be provided by 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 switched transport provided.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.1 Description and Provision of Switched Access Service Arrangements (Cont'd)

(A) Description (Cont'd)

3. FGD service, when used in the terminating direction, may be used to access valid NXX codes served by the Company's switch and other customer services (by dialing appropriate codes) when such services can be reached using valid NXX codes. FGD may not be switched, in the terminating direction, to another Trunk side Switched Access Service.
4. The Company will establish a trunk group or groups for the customer at end office switches or 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 group at the option of the Company.
5. The access code for FGD switching is a uniform access code of the form 10XXX or 101XXXX. These uniform access codes will be the assigned access numbers of all FGD access provided to the Customer by the Company. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone service is arranged for presubscription to that customer.

Where 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 seven to twelve-digit number may be dialed. The form of the numbers dialed by the Customer's end user is NXX-XXXX, 0, 00, or 1 + NXX-XXXX, NPA + NXX-XXXX, 0, 00, or 1 + NPA + NXX-XXXX, and when the end office is equipped for International Direct Dialing (DDD), 01 + CC NN or 011 + CC + NN.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.1 Description and Provision of Switched Access Service Arrangements
(Cont'd)

(A) Description

5. When the 10XXX or 101XXXX access code is used, FGD switching also provides for dialing the digit 0 or 00 for access to the Customer's operator, 911 for access to emergency reporting service.

A customer may order 950 on FGD to activate a customer's designated 950-XXXX access code. This will allow the Company to direct those designated 950-XXXX calls dialed by the Customer's end users to the Customer's access service. The Customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the designated 950-XXXX access code which requires the Customer to receive additional address signaling. Such calls will be rated as FGD.

6. There are various optional features associated with Local Transport, Common Switching and Transport Termination available. Operator Transfer Service (forwarding of 0- calls) may be provided over FGD switched access service trunks from the operator service location to the Customer's premises. Where required by technical limitations, a separate FGD trunk group will be established for Operator Transfer Service. The operator service location will provide trunk answer and disconnect supervisory signaling to the Customer. The Company will provide Operator Transfer Service for calls originating from telephone numbers associated with exchange service lines in end offices subtending the Operator Service location.

(B) Manner of Provision

Switched Access Service is provided by the Company as trunk-side switched access with equal access capabilities compatible with industry standards for Feature Group D service.

Trunks used for Switched Access Service maybe configured for one-way (either originating only or terminating only) or for two-way directionality. Originating calling permits the delivery of calls from the 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. It is the Customer's responsibility to order a sufficient number of trunks of each type in order to meet its desired grade of service objective. At the Customer's request, the Company will work cooperatively with the Customer is sizing Switched Access Trunk Groups.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.2 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 3 preceding. Also, included in that section are regulations concerning miscellaneous service order charges which may be associated with Switched Access Service ordering (e.g. Service Date Change, Cancellation, etc.).

5.1.3 Rate Categories

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

1. Local Transport (described in 5.1.3 (A) following)
2. End Office (described in 5.1.3 (B) following)
3. Chargeable Optional Features (described in 5.1.3 (C) following)

Following is a description of the rate categories for the facilities required to provide Switched Access Services to the customer.

(A) Local Transport

The Local Transport rate category establishes the charges related to the transmission and tandem switching facilities between the customer designated premises and the Company's Local Switching equipment, where the customer's traffic is switched to originate or terminate the customer's communications. Mileage measurements are set forth in 5.4.3 following and in this section.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer designated premises) and in the terminating direction (from the customer designated 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.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.2 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

Transport can be ordered as Switched Transport or Direct Trunked Transport by the Customer. The Switched Transport provides a common transmission path between Customers and the Company's local switch that serves end users. Direct Trunked Transport provides dedicated transmission paths to a customer for connection to Switched Access Services of the Company.

The customer must specify when ordering whether the service is to be provided as Direct Trunked Transport or Tandem Switched Transport. Additionally the Customer must specify (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, and (2) the type of Direct Trunked Transport and whether it will overflow to Tandem Switched Transport when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

Additionally, when service is to be routed through an access tandem switch, the Customer must specify whether the facility between the serving wire center and the tandem is to be provided as Direct Trunked Transport or Tandem Switched Transport.

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic Routing as set forth in 5.4.4.1 (C) following.

Direct Trunked Transport is available at all tandems and at the end offices with the capability of providing the service. Direct Trunked Transport is not available from end offices that lack recording or measurement capability.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls. The direct trunking of originating 800 service type calls will be available if the end office can accommodate the service.

Local Transport is provided at the rates and charges set forth in 17.2.1 and 17.2.2 following. The application of these rates is as set forth in 5.4.1 (C) following.

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

When more than one Company is involved in providing the Switched Access Service to a Customer, for the provision of transport. Each Company will provide it's portion of transport to the interconnection point with the next Company. The mileage used to calculate charges for the Company's transport interconnections is as set forth in 5.4.3 following. The other companies involved with the transport service may bill according to their own tariffs.

(1) Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a 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.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(1) Entrance Facility (Cont'd)

Three types of Entrance Facility are available: (1) Voice Grade 2 or 4 wire (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 DS3 Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in Section 17.2.2 following will apply even if the customer designated premises and the serving wire center are collocated in the Company building.

A customer's Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a letter of authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.4 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(2) Residual Interconnection Charge

The Residual Interconnection Charge recovers the costs associated with Local Transport that are not recovered by the Entrance Facility, D

Direct Trunked Transport, Tandem Switched Transport, Multiplexing, or dedicated signaling (*i.e.*, SS7) rates. The Residual Interconnection Charge specified in Section 17.2.2 following applies to both Tandem Switched and Direct Trunked access minutes of use.

(3) Multiplexing

DS3 to DS1 Multiplexing charges specified in Section 17.2.2 following 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. 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. However, 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 Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels. Multiplexing will be provided in the offices where the capability exist.

(4) Direct Trunked Transport

The Company provides Direct Trunked Transport, between the Customer's designated premises and the local switching equipment of the Company. This transmission path is dedicated to the use of a single Customer. Voice Grade 2 or 4 wire or High Capacity DS1 and DS3 facilities are available for Direct Trunked Transport.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(4) Direct Trunked Transport (Cont'd)

The customer must specify the choice of facilities (*i.e.*, Voice Grade 2 or 4 wire or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility and whether it will overflow to Tandem Switched Transport. The minimum period for which a High Capacity DS3 Direct Trunked Transport is provided is twelve months.

Direct Trunked Transport is available to all tandems and to all end offices with the capability.

Direct Trunked Transport is not available from end offices that lack recording or measurement capability.

Normally, Direct Trunked Transport of originating 800 series type calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series type calls.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(4) Direct Trunked Transport (Cont'd)

Direct Trunked Transport rates consist of a Direct Trunked Facility rate specified in Section 17.2.2 following 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, tandem, 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 Transport rate elements recover a portion of the cost associated with the communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single customer:

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

The Direct Trunked Termination rate specified in Section 17.2.2 following recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility.

(5) Switched Transport Services

Switched Transport is provided from the serving wire center at which the service becomes common transport to either of the following, at the discretion of the Customer:

1. The last serving wire center of the common transport
2. The serving wire center of the end user

The Tandem Switched Transport rate elements recover a portion of the costs associated with the communications path between the serving wire center and an end office or between a tandem and an end office on circuits that are switched at a tandem switch.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(5) Switched Transport Services (Cont'd)

In those instances where an SSP equipped end office is capable of handling 800 SAC Traffic on a direct trunked basis but incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGD service for 888 SAC traffic delivered at the tandem. This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis.

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

- (a) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in 17.2.1 following is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem.
- (b) 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 rate specified in Section 17.2.1 following is applied on a per access minute per mile basis for all originating and terminating minutes of use routed over the facility
- (c) 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 Section 17.2.1 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, host office, tandem, and serving wire center).

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(6) Interface Groups

The Company will provide interface groups for terminating the entrance facility at the Customer's designated premises. The Company will attempt to meet any standard interface group protocol, limited by the technical availability.

(A) End Office

The End Office rate category establishes the charges related to 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 and Information Surcharge rate elements.

(1) Local Switching

The Local Switching rate element establishes the charges related to the use of end office switching equipment, the terminations in the end office of end user lines, and the terminations of calls at the Company Intercept Operators or recordings.

Where end offices are appropriately equipped, international dialing may be provided as a capability which provides local dial switching for Feature Group D. 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 FGD equipped end office.

Rates for Local Switching are set forth in 17.2.3 following. The application of these rates is as set forth in 5.4.1 (C) .

(2) Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth in 17.2.3 following. The application of these rates is as set forth in 5.4.1 (C) following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

(B) Chargeable Optional Features

Where facilities permit, the Company will, at the option of the customer, provide the following chargeable optional features.

(1) Operator Transfer Services

Operator Transfer Service may be provided with Feature Group D Switched Access Service at Company designated Operator Services location. Operator Transfer Service is an originating service. The rate is assessed per 0- call transferred to a customer's operator. An 0- call is considered transferred when the Company Operator activates the switch transferring the call to the designated customer and the customer acknowledges receipt.

In addition to the Operator Transfer Service charge described above and in 5.4.5 following, Feature Group D Switched Access rates and charges as set forth in 5.4.1(B), installation of service, and 5.4.1(C) following and Carrier Common Line Charges set forth in 17.1 following will apply per minute of use for Operator Transfer Service.

Operator Transfer Service charges, provided for in this tariff, are applied only to those calls actually transferred by the Company to the customer's operator.

(2) 800 Series Data Base Access Service

800 Series Data Base Access Service is provided to all customers in conjunction with FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 series data base to identify the customer to whom the call will be delivered and provide vertical features based on the dialed ten digits. The call will then be routed to the identified customer over FGD switched access.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.3 Rate Categories (Cont'd)

A Basic or Vertical Feature Query charge, as set forth in 17.2.2 following, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered. The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of 800 series type calls by companies to different inter-exchange carriers based on the Local Access Transport Area (LATA) in which the call originates. The Vertical Feature Query provides the same customer identification as the basic query and vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series type calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3).

The description and application of this charge with is as set forth in 5.4.1 following.

5.1.4 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 8 following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.1 General (Cont'd)

5.1.5 Design Layout Report

At the request of the customer, the 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.

5.2 Undertaking of the Company

In addition to the obligations of the set forth in Section 2 preceding, the Company has certain other obligations concerning only the provision of Switched Access Service. These obligations are as follows:

5.2.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the 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 Company network. The 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.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.2 Undertaking of the Company (Cont'd)

5.2.1 Network Management (Cont'd)

Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the 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 2.7.2 preceding.

5.2.2 Testing

(A) Acceptance Testing

At no additional charge the 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.

(B) Routine Testing

At no additional charge, the Company will, at the customer's request, test after installation on an automatic or manual basis, 1004 Hz loss, C- message noise and Balance (Improved Return loss).

In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Company, but shall consist of not less than quarterly 1004 Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered as set forth in 10.3.1 following. Charges for these additional tests are set forth in 17.4.4 following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.2 Undertaking of the Company (Cont'd)

5.2.3 Trunk Group Measurement Reports

Subject to availability, the Company will make available trunk group data in the form of usage in CCS, peg count and overflow, to the customer based on previously agreed to intervals.

5.3 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2 preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

5.3.1 Report Requirements

Customers are responsible for providing the following reports to the Company, when applicable.

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both intrastate and intrastate use, the customer is responsible for providing Jurisdictional Reports. Charges will be apportioned in accordance with those reports. The method to be used for determining the intrastate charges is set forth in 2.3.9 preceding.

(B) 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.

5.3.2 Supervisory Signaling

The customer's facilities shall provide the necessary on-hook, off-hook, answer and disconnect supervision.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.3 Obligations of the Customer (Cont'd)

5.3.3 Short Duration Mass Calling Requirements

When a customer offers service for which a substantial call volume is expected during a short period of time (e.g., 900 service media stimulated events), the customer must notify the Company at least 48 hours in advance of each peak period. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the telephone number(s) to be used.

On the basis of the information provided, the Company may invoke network management controls, (e.g., call gapping and code blocking) to reduce the probability of excessive network congestion. The Company will work cooperatively with the customer to determine the appropriate level of such control.

5.3.4 Design of Switched Access Service

It is the Customer's responsibility to assure that sufficient Access Services have been ordered to handle its traffic.

5.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Switched Access Service.

5.4.1 Description and Application of Rate

There are two types of rates and charges that apply to Switched Access Service; recurring (usage and flat rates) and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (C) following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Descriptions and Application of Rate (Cont'd)

(A) Recurring Rates

- (1) Usage Rates for Switched Access Service are rates that apply on a per access minute or a per call basis. Access minute charges and per call charges are accumulated over a monthly period.
- (2) Flat Rates for Switched Access Service are rates that apply on a per month per rate element basis.

(B) 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 Switched Access Service are: installation of service and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1(A) following.

(1) Installation of Service

A Local Transport nonrecurring installation charge, as set forth in 17.2.1 following, will be applied at the serving wire center for each Entrance Facility installed. Additionally, a nonrecurring trunk activation charge as set forth in 17.2.1 following, will be applied at each end office when ordered to the end office on a per order per end office basis or at the tandem when ordered to the tandem for each group of 24 Direct Trunked Transport trunks or fraction thereof that is activated (i.e., designated by the customer to be used to carry switched access). A maximum of 24 trunks can be activated on a DS1 facility and a maximum of 672 trunks can be activated on a DS3 facility.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Descriptions and Application of Rate (Cont'd)

(B) Nonrecurring Charges (Cont'd)

(1) Installation of Service

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one Direct Trunked Transport Activated nonrecurring charge at the end office. If at a later date the customer requests the activation of three more circuits, the customer will then be charged an additional Direct Trunked Transport Activated nonrecurring charge. These charges are in addition to the Access Order charge as specified in 17.4.1(A) following.

(2) Service Rearrangements

All changes to existing services other than changes involving administrative will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring 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 5.4.3 following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Description and Application of Rate (Cont'd)

For conversion of FGD trunks to SS7 Signaling reconfiguration, charges apply as set forth in Section 17.2.1.

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.

Other changes made without charge to the customer are as follows:

- Changes and additions to existing Switched Access Services which are necessary due to Company initiated network reconfigurations, and required to provide the same grade of service to the customer that existed prior to the reconfiguration. Charges will apply to those changes and additions which are in excess of those required to provide the same grade of service and/or capacity. Grade of service will be as determined by industry standard engineering tables.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Description and Application of Rate (Cont'd)

- When a customer requests a change of trunks from tandem-switched transport to direct-trunked transport or from direct-trunked transport to tandem-switched transport or requests to rearrange switched access services between lower capacity and higher capacity facilities (e.g. voice grade to/from DS1 or DS1 to/from DS3), the non recurring charges set forth in (1) preceding do not apply providing the orders to disconnect existing trunks and to connect the new trunks are placed at the same time, and the number of installed trunks does not exceed the number of trunks disconnected. If the number of installed trunks exceeds the number of trunks connected, all non-recurring charges will apply to the excess trunks unless the customer provides justification based upon standard engineering methods to show that the additional capacity is required to maintain the same level of service.

For additions, changes or modifications to an optional feature which has a separate nonrecurring charge, that nonrecurring charge will apply.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Description and Application of Rate (Cont'd)

For additions, changes, or modifications to optional features that do not have their own separate nonrecurring charges, an Access Order Charge as set forth in 17.4.1(A) following will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group, an end office or an access tandem switch, only one such charge will apply (*i.e.*, it will not apply per transmission path).

For conversion of FGD trunks from multifrequency address signaling to SS7 signaling or from SS7 signaling to multifrequency address signaling, nonrecurring charges will apply as set forth in 17.2.1(B).

(C) Application of Rates

(1) Per Minute Rates

Per minute rates apply to all access minutes that originate or terminate at end offices.

In addition, per minute rates always apply to the following Local Transport rate elements:

- Tandem Switched Facility
- Tandem Switched Termination
- Tandem Switching

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Description and Application of Rate (Cont'd)

(C) Application of Rates (Cont'd)

(2) Credit for 888 SAC Traffic

In those instances where an SSP equipped end office is capable of handling 800 SAC traffic on a direct trunked basis, and the customer has direct trunked transport facilities in place at the end office, but the end office is incapable of handling 888 SAC traffic on a direct trunked basis, a full credit will be provided for Tandem Switched Transport Charges associated with FGD service for 888 SAC traffic delivered at the tandem.

This results in all 800 series traffic being rated as direct trunked transport regardless of whether the SSP equipped end office is capable of handling 888 SAC traffic on a direct trunked basis.

The credit will expire when 888 SAC SSP functionality is implemented in the end office.

(3) Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service

The CCS/SS7 Network Connection is comprised of a Signaling Mileage Facility charge, a Signaling Mileage Termination charge, a Signaling Entrance Facility charge, and a Signaling Transfer Point (STP) Port charge.

The Signaling Mileage Facility charge is assessed on a per facility per mile basis. The Signaling Mileage Termination charge is assessed on a per termination basis (i.e., at each end of the Signaling Mileage Facility). When the Signaling Mileage Facility mileage measurement is zero, Signaling Mileage Termination charges do not apply.

The Signaling Entrance Facility charge is assessed on a per facility basis for the connection between the customer's designated premises (Signaling Point of Interface) and the serving wire center of that premises.

The STP Port charge is assessed on a per port basis for each termination of a Signaling Mileage Facility at an STP.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.1 Description and Application of Rate (Cont'd)

(C) Application of Rates (Cont'd)

(4) 800 Series Data Base Access Service

A Basic Query or Vertical Feature Query charge applies for each query that is launched to an 800 series data base and identifies the customer to whom the call will be delivered. Query charges, as set forth in 17.2.2(2), will only be applied by those companies whose wire centers can perform such queries.

When Feature Group D switched access service is used for the provision of 800 Series Data Base Access Service and the total minutes of use and/or count of queries can be determined for each customer at a tandem or SSP but can not be determined by individual end office, an allocation method will be utilized to determine minutes of use and/or queries by end office and customer. For each end office a ratio will be developed and applied against the total minutes of use and/or count of queries for a given customer as determined by the tandem or SSP. These ratios will be developed by dividing the unidentified originating 800 series type minutes of use at an end office by the total unidentified originating minutes of use in all end offices subtending the tandem or SSP.

(5) 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 Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Direct Trunked Transport and Tandem Switched Transport.

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 17.2.2 following, will apply for each channel that is used to provide the Tandem Switched Transport.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.2 Moves

A move involves a change in the physical location of one of the following:

- The point of termination at the customer designated premises
- The customer designated 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.

(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 installation nonrecurring charge for the capacity affected. This charge is in addition to the Access Order Charge as specified in 17.4.1(A) following. 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.

5.4.3 Mileage Measurement

The mileage measurements are as shown in Section 16. Mileage rates are as set forth in 17.2.2 following.

Exceptions to the mileage measurement rules are as follows:

(A) Alternate Traffic Routing

When the Alternate Traffic Routing optional feature is provided, the Local Transport access minutes will be apportioned between the two trunk groups used to provide this feature. Such apportionment will be made using: (1) actual minutes of use if available, (2) standard Company traffic engineering methodology and will be based on the last trunk CCS desired for the high usage group, as described in 5.4.4.1(C) following (Alternate Traffic Routing), or (3) an apportionment mutually agreed to by the Company and the customer. This apportionment will serve as the basis for Local Transport calculation.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.3 Mileage Measurement (Cont'd)

(B) Feature Group D - WATS

The Local Transport Facility for Feature Groups D Switched Access Service connected with Special Access Service at a WATS Serving Office will be measured between the WATS Serving Office (when measured access minutes of use are used) and the serving wire center for the customer designated premises.

(C) Use of the Company Hub

When multiplexing is performed at Company Hubs, mileage is computed and rates applied separately for each segment of the Local Transport Direct Trunked Facility (i.e., customer serving wire center to Hub, Hub to Hub, and/or Hub to end office).

5.4.4 Non-Chargeable Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features. They are provided as Common Switching, Transport Termination, or Operator Transfer Service option.

5.4.4.1 Common Switching Options

(A) Automatic Number Identification (ANI)

This option provides the automatic transmission of a seven digit or ten digit number and information digits to the customer designated premises for calls originating in the LATA, to identify the calling station.

(B) 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+, 01+ or 011+) or Service Access Code (e.g., 800, 888 or 900). It is provided in suitably equipped end office or access tandem switches.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(C) Alternate Traffic Routing

When the Customer orders both Direct Trunked Transport and Tandem Switched Transport at the same end office, 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 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.

(D) Trunk Access Limitation

This option provides for the routing of originating 900 service calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Company electronic end offices.

(E) Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected equipped end offices.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(F) International Carrier Option

This option allows for 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 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 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 Company end offices or access tandems equipped for International Direct Distance Dialing.

(G) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option, which is provided in association with two or more Special Access Service groups, provides for the automatic overflow of terminating calls to a second Special Access Service group, when the first group has exceeded its call capacity.

(H) End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

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 on the basis of geographical bands selected by the Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Company end offices which are designated as WATS Serving Offices.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services.(Cont'd)

5.4 Rate Regulations.(Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(I) Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS services (e.g., 800 Series Service Special Access services) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Company. This feature is provided in all Company designated WATS Serving Offices.

(J) Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides a type of multi-line hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type Services in the hunt group. Where available, this feature is only provided in Company designated WATS Serving Offices.

(K) Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services

This option provides an arrangement, for an individual Special Access Service utilized in the provision of WATS or WATS-type Services within a multi-line hunt or uniform call distribution group, that provides access to that Special Access Service 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, without hunting to the next idle number. Where available, this feature is only provided in Company designated WATS Serving Offices.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(L) Digital Switched 56 Service

This option provides for a connection between a customer's premise and a suitably equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned Feature Group D offices

Transport Termination Options

(A) Operator Trunk - Full Feature

This option provides the initial coin return control function to the customer's operator. It is provided as a trunk type for Transport Termination. This feature is not available with SS7 signaling.

Local Transport Options

(A) Supervisory Signaling

When 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 in the form of Multi-frequency (MF) Signaling for each transmission path.

(B) Multifrequency Address Signaling

Multifrequency Address Signaling is available as an optional feature. This feature provides for the transmission of number information and control signals (e.g., number address signals, automatic number identification) between the end office switch and the customer's premises (in either direction). Multifrequency signaling arrangements make use of pairs of frequencies out of a group of six frequencies. Specific information transmitted is dependent upon call type (i.e., POTS, coin or operator). This feature is not available in combination with SS7 signaling.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(C) Signaling System 7 (SS7) Signaling

SS7 is provided in both the originating and terminating direction on FGD and each signaling connection is provisioned for two way SS7 signaling information. This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the customer's designated premises. This option requires the establishment of a signaling connection between the customer's designated premises/ Signaling Point of Interface and a Company's Signaling Transfer Point (STP). The signaling information is transmitted over facilities provided with the Common Channel Signaling/Signaling System 7 Interconnection Service This will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference TR-TSV-000905.

(D) Calling Party Number (CPN)

This feature provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises 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 number as the calling station's charge number. The ten digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This feature is provided with originating FGD with SS7 signaling. CPN is available where technically feasible.

(E) Carrier Selection Parameter (CSP)

This feature provides for the automatic transmission of a signaling indicator which signifies to the customer whether or not the call being processed originated from a presubscribed line. If the line was presubscribed, the indicator will signify if the end user did or did not dial 10XXX. This feature is provided with originating FGD with SS7 signaling.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.4 Non-Chargeable Optional Features (Cont'd)

5.4.4.1 Common Switching Options (Cont'd)

(F) Charge Number Parameter (CNP)

The CN Parameter is equivalent to the existing ten digit Automatic Number Identification (ANI) available with FGD with MF signaling. The CN Parameter provides for the automatic transmission of the ten digit billing number of the calling station and the originating line information. This feature is provided with originating FGD with SS7 signaling.

(G) Feature Group D with 950 Access

This option provides for the routing of originating calls, dialed using a 950-1XXX or 950-0XXX Access Code, to the FGD Customer using FGD signaling protocols and technical specifications. The Customer is responsible for distinguishing between standard FGD calls and 950-dialed calls delivered over the same trunks.

5.4.5 Chargeable Optional Features

(A) Operator Transfer Service

At the option of the customer, Operator Transfer Service as specified following, is available for use with Feature Group D Switched Access Service. Operator Transfer Service is ordered as set forth in 3.2 (A) (1) preceding and is provided to the customer via separate FGD trunks dedicated to Operator Transfer Service traffic.

Operator Transfer Service is an arrangement in which Company operators transfer 0 minus (0-) calls (calls for which the end user dials 0 with no additional digits) to the customer designated by the end user.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services.(Cont'd)

5.4 Rate Regulations.(Cont'd)

5.4.5 Chargeable Optional Features.(Cont'd)

The operator transfer function will be performed in the following manner:

- The operator answers the 0- call.
- Initially, the Operator will suggest that the end user dial the customer on a direct basis. If the end user insists that the Operator transfer the call, the Operator will ask the end user to identify the desired customer and will then transfer the call as directed.
- If the end user has no preference, or the identified customer has not subscribed to Operator Transfer Service, the end user will be asked to select from a list of available customers.

The list of available Operator Transfer Service customers will be updated monthly. The order in which customers will be read to end users will be initially determined by the sequence in which customers have ordered the Operator Transfer Service. For each subsequent month, following the initial order for Operator Transfer Service, the customer in the first position on the list will be moved to the last position on the list. All other customers on the list will be moved up one position, e.g. 3rd to 2nd, 2nd to first, etc. New Operator Transfer Service customers will initially be placed at the bottom of the list of customers.

0 minus Public Coin calls will be transferred to the end user designated customer. In order to accept coin sent- paid calls, the customer must order signaling as specified in TR-TSY-000506 and TR-NPL-000258 .

The customer may receive inband, multi-wink, or expanded inband coin control signaling, where available, from end offices served by an Operator Services Access Point. Different signaling types cannot be mixed on a signal trunk group.

All non-recurring and usage sensitive rates and charges normally applicable to Feature Group D apply to Operator Transfer Service. Additionally, a charge as specified in Section 5.1.3(c)(1) preceding and 17.2.4 following, is assessed the customer per 0 minus call transferred.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services.(Cont'd)

5.4 Rate Regulations.(Cont'd)

5.4.5 Chargeable Optional Features.(Cont'd)

(B) Common Channel Signaling/Signaling System 7 Network Connection Service (CCSNC)

Common Channel Signaling/Signaling System 7 (CCS/SS7) Network Connection Service (CCSNC), where technically feasible, provides a signaling path between a customer's designated Signaling Point of Interface (SPOI) and a Signaling Transfer Point (STP). This service provides customers with the use of a two-way signaling path for accessing information necessary for the completion of their end user's calls.

CCS/SS7 Network Connection Service is comprised of two rate elements; a Signaling Network Access Link (SNAL) and a Signaling Transfer Point (STP) Port. The SNAL is provided as a dedicated 56 Kbps out-of-band signaling connection between the customer's SPOI and the STP port on the STP.

The CCS/SS7 Network Connection Service is provisioned by a mated pair of STPs as described in Technical Reference TR-TSV 000905 in order to ensure network availability and reliability. The Company shall not be held liable for service outages if the customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards.

When CCS/SS7 Network Connection service is provisioned for use with SS7 Signaling, interconnection between signaling networks must occur at an STP.

Rates and charges for the CCS/SS7 Network Connection STP Ports and Signaling Network Access Links are contained in 17.2.2 (1) following.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services.(Cont'd)

5.4 Rate Regulations.(Cont'd)

5.4.5 Chargeable Optional Features.(Cont'd)

(C) 800 Series Data Base ACCESS SERVICE

800 Series Data Base Access Service is provided with FGD switched access service. When a call using a toll free service access code (SAC) (e.g., 1+800 or 888+NXX-XXXX) is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 series service data base to perform the identification function. The call will then be routed to the identified customer over FGD switched access.

The manner in which 800 Series Data Base Access Service is provided is dependent on the availability of SS7 service at the end office from which the service is provided as outlined following

When 800 Series Data Base Access Service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases or at a non-SSP equipped end office that can accommodate direct trunking of originating 800 series service type calls, all such service will be provisioned from that end office. If the end office is not equipped with the 888 SAC SSP capability the customer must order Tandem Switched Transport to receive such traffic until the 888 SAC SSP capability becomes available. See Section 5.4.1(C) for credit applicability.

When 800 Series Data Base Access Service originates at an end office not equipped with SSP customer identification capability, the 800 series service type call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases.

Query charges as set forth in 17.2.2 (2) following are in addition to those charges applicable for the Feature Group D Switched Access Service.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.6 Design and Traffic Routing

The Company shall design and determine the routing of Tandem Switched Access Service, including the selection of the first point of switching and the selection of facilities from the interface to any switching. The Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

For Direct Trunked Transport service, the Company will determine the routing of switched access service from the point of interface to the first point of switching or, if the customer specified one or more hub locations for multiplexing, from the point of interface to the hub location, from one hub location to another hub location, and/or from a hub location to the first point of switching.

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and actual traffic patterns.

5.4.7 Measuring Access Minutes

Customer traffic to end offices will be recorded at end office switches or access tandem switches. Originating and terminating calls will be measured or derived to determine the basis for computing chargeable access minutes. In the event the customer message detail is not available because the Company lost or damaged tapes or incurred recording system outages, the Company will estimate the volume of lost customer access minutes of use based on previously known values.

FGD 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 end office, and are then rounded up to the nearest access minute for each end office.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.7 Measuring Access Minutes (Cont'd)

Originating Usage

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, provided with Multi-Frequency Signaling, usage measurement begins when the originating FGD first point of switching receives the first wink supervisory signal forwarded from the customer's point of termination.

For originating calls over FGD provided with Signaling System 7 (SS7) Signaling when the FGD end office is not routed through an access tandem for connection to the customer, usage measurement begins when the SS7 Initial Address Message is sent from the Service Switching Point (SSP) to the Service Transfer Point (STP).

For originating calls over FGD provided with Signaling System 7 (SS7) signaling when the FGD end office is routed through a tandem for connection to the customer, usage measurement begins when the FGD end office receives the SS7 Exit Message from the tandem.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.7 Measuring Access Minutes (Cont'd)

The measurement of originating call usage over FGD provided with Multi-Frequency Signaling ends when the originating FGD first point of switching 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 first point of switching.

The measurement of originating call usage over FGD provided with SS7 Signaling ends when the originating FGD end office receives an SS7 Release Message indicating either the originating or terminating end user has disconnected.

Terminating Usage

For terminating calls over FGD the chargeable access minutes are either measured or derived.

For terminating calls over FGD provided with Multi-Frequency Signaling, where measurement capability exists, the measurement of chargeable access minutes begins when the terminating FGD first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered. This measurement ends when the terminating FGD first point of switching 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 first point of switching.

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGD with SS7 signaling, usage measurement begins when the terminating recording switch receives answer supervision from the terminating end user. The Telephone Company switch receives answer supervision and sends the indication to the customer in the form of an answer message. The measurement of terminating FGD call usage ends when the entry switch receives or sends a release message, whichever occurs first.

INTRASTATE DOMESTIC ACCESS SERVICES

5. Switched Access Services (Cont'd)

5.4 Rate Regulations (Cont'd)

5.4.8 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, non synchronous 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 5.2.2 preceding, which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, additional cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing, are available as set forth in Section 10 following.

When SS7 Signaling is ordered, network compatibility and other testing will be performed cooperatively by the Company and the customer as specified in Technical References TR-TSV 000905.

5.4.9 Special Construction Rate Determination

Rates and charges for special construction will be determined by the Company on an Individual Case Basis and based in part, on the costs incurred by the Company and may include (1) non-recurring type charges, (2) recurring type charges, (3) termination liabilities, or (4) combinations thereof.

INTRASTATE DOMESTIC ACCESS SERVICES

6. PRESUBSCRIPTION SERVICE

6.1 Presubscription

(A) Description

Presubscription is a procedure whereby an end user or location provider may select and designate to the Company an IXC or IXCs to access, without dialing an access code for calls leaving the local service area of the Company. The IXCs are referred to as the end user's or location provider's Primary IXCs (PICs). The end user or location provider, could be the same IXC for both IntraLATA and InterLATA calls if the IXC provides both jurisdictions of service. A list of IXCs providing service to the Company's local area is made available to the end user or location provider in the Company's service guide.

The Presubscription procedures applies to Exchange Service lines and/or trunks, Centrex lines.

Should the caller wish to use the services of an IXC other than the PIC, it is necessary for the caller to dial the necessary access code(s) to reach that IXC's service(s).

(B) Provisions

1. Charge Applications

End Users or location providers placing orders for service will be asked to select a primary IXC at the time they place an order with the Company for Exchange Service. There will be no charge for this selection.

The non-recurring charge for a primary IXC (PIC) change is billed to the end user who is the subscriber to the Exchange service. However, an IXC may, at its option, elect to pay the charge for any nonrecurring charge for a PIC change as set forth in Section 17.4.4 (D) following.

INTRASTATE DOMESTIC ACCESS SERVICES

6. Presubscription Service (Cont'd)

6.1 Presubscription (Cont'd)

(B) Provisions (Cont'd)

2. Dispute Application for Presubscription

If the end user or location provider disputes a PIC change, the Company will investigate the origin of the change and shall restore the end user or location provider to their previous PIC. If the change was due to Company error, the end user or location provider will be returned to their previous primary IXC free of charge. If the change was submitted by an IXC, and the IXC is unable to produce the signed end user or location provider Letter of Authorization (LOA), the nonrecurring charges will be assessed to the unauthorized IXC.

If there is a conflict between an end user, a location provider or their respective agent, on one hand, an IXC on the other hand, over the designation of the primary IXC, the Company will honor the designation selected by the end user, location provider or their respective agent, regardless of any contractual obligations the end user, location provider or agent may have with one or more IXCs.

INTRASTATE DOMESTIC ACCESS SERVICES

6. Presubscription Service (Cont'd)

6.1 Presubscription (Cont'd)

If there is an conflict between an end user and/or location provider, on one hand, and their agent on the other hand, over designation of the primary IXC, the Company will honor the designation selected by the end user and/or location provider, regardless of any contractual obligations the end user and/or location provider may have with one or more IXCs or agents.

The nonrecurring charge for an Unauthorized PIC change is set forth in Section 17.4.4 (E) following.

1. Cancellation of Interexchange Participation for Presubscription

If an IXC elects to discontinue all of its Feature Group D service in the end office, the IXC is obligated to do the following:

- (A) Notify the Company of the cancellation of their Feature Group D service, and;
- (B) Contact all end users or location providers that are presubscribed to the canceling IS as their primary IXC. Inform these end users or location providers of cancellation and request the end users or location providers to contact the Company to select a new primary IXC.

The Company will bill the canceling IXC the service order charge as set forth in Section (C) below, for each end user and location provider this IXC has currently presubscribed to them.

Such charge will not apply to the canceling IXC where the canceling IXC transfers or assign its Feature Group D services and the associated 10XXX or 101XXXX code to another IXC in such manner that the Company does not change end user or location provider PIC designation, or if another IXC elects to pay the service order charge on behalf of the canceling IXC.

(C)IXC Initiated Conversions for Presubscription

When an IXC requests that their end user and/or location provider be changed from one access code to another access code on a mass conversion basis, e.g. and IXC using two or more PIC designations or an IXC assuming ownership of another IXC's end users and/or location providers etc., charges as set forth in Section 17.4.4 (E) following, apply.

INTRASTATE DOMESTIC ACCESS SERVICES

6. Presubscription Service (Cont'd)

6.1 Presubscription (Cont'd)

(D) Verification of Orders for Long Distance Telemarketing

No IXC shall submit to the Company a Primary Interexchange Carrier (PIC) change order generated by telemarketing unless and until the order has first been confirmed in accordance with one of the following procedures:

- (1) The IXC obtains the billed party's (e.g., an end user or the designator of the PIC for a pay telephone) written authorization to submit the PIC change order and confirms:
 - The billed party's billing name and address and each telephone number to be covered by the PIC change order;
 - The billed party's decision to change the PIC to the IXC; and
 - The billed party's understanding of the PIC change fee; or
- (2) The IXC obtains the billed party's electronic authorization to submit the PIC change order. The billed party will place a call, from the telephone number(s) on which the PIC is to be changed, to a toll free telephone number that is dedicated to the IXC's PIC verification process. The verification number will connect the billed party to a voice response unit that records the originating ANI and the required information described in (1) preceding; or
- (3) An appropriately qualified and independent third party, operating in a location physically separate from the telemarketing representative, obtains the billed party's oral authorization to submit the PIC change order. This authorization must confirm the order and include appropriate verification data (e.g., the billed party's date of birth or social security number); or

INTRASTATE DOMESTIC ACCESS SERVICES

6. Presubscription Service (Cont'd)

6.1 Presubscription (Cont'd)

(D) Verification of Orders for Long Distance Telemarketing (Cont'd)

(4) Within 3 business days of the billed party's request for a PIC change, the IXC must send them an information package by first class mail which includes:

- a statement that the enclosed information is being sent to confirm a telemarketing order placed by the billed party within the previous week;
- the name of the current and soliciting IXCs;
- the terms, conditions or charges for the PIC change;
- the name of the person who ordered the change;
- the name, address and telephone number of both the customer and the soliciting IXC;
- a statement advising the billed party that, absent their response, the change will be implemented 14 days from the date the information package was mailed to them; and
- the name, address and telephone number of a contact point at the FCC for consumer complaints.

The IXC must provide a postpaid postcard which the billed party can use to deny, cancel or confirm the order. The IXC must wait 14 days after the information package is mailed to the billed party before submitting the PIC change order to the Company.

INTRASTATE DOMESTIC ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service provides a dedicated transmission path to connect customer designated premises, directly, through a Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office. The Company Centrex CO and CO-like switches and packet switches included in Public Packet Switching Network (PPSN) Service are considered to be customer designated premises for purpose of this tariff. Special Access includes all exchange access not utilizing the Company's switching equipment. Special Access Service consists of any of the services offered hereunder, either individually or in combination. Each service is offered independently of all others.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

Company services may be connected to the services or facilities of other communications carriers only when authorized by, in accordance with, the terms and conditions of any tariffs of such other communications carriers.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Description

7.2.1 Voice Grade Service

7.2.1.2 Basic Channel Description

A Voice Grade channel 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, between a customer designated premises and a Company hub or hubs, or between a customer designated premises and a WATS Serving Office (WSO).

Rates and charges for Special Access Voice Grade Service are as set forth in 17.3.2 following.

7.2.1.3 Optional Features and Functions

(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Description

7.2.1 Voice Grade Service

7.2.1.3 Optional Features and Functions (Cont'd)

(B) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in 17.3.1 (C) following.

(1) 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 delineated in Technical Reference TR-TSY-000335.

(2) Data Capability (D Conditioning)

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 three-point multipoint services.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Description (Cont'd)

7.2.1 Voice Grade Services (Cont'd)

7.2.1.3 Optional Features and Functions (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.1(C) following.

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(C) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four- wire transmission. The ranges are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.1(C) following.

(D) Improved Return Loss

- (1) 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. Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-TSY-000335. The rate for this option is set forth in 17.3.1(C) following.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Description (Cont'd)

7.2.1 Voice Grade Services (Cont'd)

7.2.1.3 Optional Features and Functions (Cont'd)

(D) Improved Return Loss (Cont'd)

- (2) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. 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 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 TR-TSY-000335. The rate for this option is set forth in 17.3.1(C) following.

(E) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in 17.3.1(C) following.

(F) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service. The rate for this option is set forth in 17.3.1(C) following.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Description (Cont'd)

7.2.1 Voice Grade Services (Cont'd)

7.2.1.3 Optional Features and Functions (Cont'd)

(G) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of an 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 channel, if required, is not included as part of the option. The rate for this option is set forth in 17.3.1(C) following.

7.2.2 Digital Data Service

7.2.2.1 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, 56.0 or 64.0* 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 Company's facilities to the customer in the received bit stream. Digital Data channels are provided as either hubbed or non-hubbed services between customer designated premises or between a customer designated premises and a Company hub or hubs, where available.

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.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.2 Description (Cont'd)

7.2.2 Special Access (Cont'd)

7.2.2.1 Basic Channel Description (Cont'd)

The Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds (if provided through a Digital Data hub) while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB62310 .

Rates and charges for Special Access Digital Data Service are as set forth in 17.3.2.12 following.

7.2.2.2 Optional Features and Functions

The Optional Features and Functions described in (A) & (B) following are only available where Digital Data Service is provided via a hub.

(A) Central Office Bridging Capability

Bridging is not available on a 64.0 Kbps channel. Rates and charges are as set forth in Section 17.3.2 (C)(1).

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.2 Description (Cont'd)

7.2.2 Digital Data Service (Cont'd)

7.2.2.2 Optional Features and Functions (Cont'd)

(B) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. 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 designated premises. This arrangement is only available at a Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option. Rates and charges are as set forth in Section 17.3.2 (C)(2).

7.2.3 High Capacity Service

7.2.3.1 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 customer designated premises or between a customer designated premises and a Company hub or hubs.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.2 Description (Cont'd)

7.2.3 Special Access (Cont'd)

7.2.3.1 Basic Channel Description (Cont'd)

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.

Rates and charges for Special Access High Capacity Service are as set forth in 17.3.2 following.

7.2.3.2 Optional Features and Functions

(A) 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 designated premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.2 Description (Cont'd)

7.2.3 High Capacity Service (Cont'd)

7.2.3.2 Optional Features and Functions (Cont'd)

(B) Central Office Multiplexing

(1) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(2) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data Service.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multi-point 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, or a customer designated premises and a WATS Serving Office.

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

(B) Multi-point Service

Multi-point service connects three or more customer designated premises through one or more Company hubs. Only certain types of Special Access Service are provided as multi-point service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e. bridging locations) on a multi-point service is a mid-link. There is no limitation on the number of mid-links available with a multi-point service. However, when more than three mid-links in a tandem are provided the quality of the overall service may be degraded.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.3 Service Configurations (Cont'd)

Multi-point service utilizing a customized technical specifications package will be provided when technically possible. If the Company determines that the requested parameter specifications are not compatible, the Customer will be advised and given an 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 advised and given the opportunity to change the order.

When ordering, the Customer will specify the desired bridging hub(s).

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between the serving wire center for each customer designated premises and the hub and between hubs)
- Bridging
- Additional Optional Features and Functions (when applicable).

7.4 Alternate Use

Alternate Use occurs when a service is arranged by the Company so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the 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 17.4.6 following, 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, Channel Mileage (as applicable) and Optional Features and Functions (if any)].

7.5 Special Facilities Routing

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) are set forth in Section 8 and Section 17.4.5 following.

7.6 Design Layout Report

At the request of the customer, the 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.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.7 Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test the following at the time of installation:

- (A) For Voice Grade analog services, the acceptance test will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order of 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 digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer 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 10.3.1 (B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 3 preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access.

7.9.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Termination
- Channel Mileage
- Optional Features and Functions

(A) Channel Termination

The Channel Termination rate category recovers 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 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 is provided as an optional feature as set forth in (C) following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Company building.

For DS3 High Capacity Service, the Channel Termination rates are made up of the DS3 Capacity Interface rate and the DS3 Channel Installed rate. The Capacity Interface rate is dependent upon the capacity ordered (i.e., Capacity Interface of 1, 3, 6 or 12) and is applicable at each customer designated premises. The capacity ordered is the maximum number of DS3 services that can be terminated on a given service at the customer designated premises (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 services). One DS3 Channel Installed rate applies per customer designated premises at which the channel is terminated for each DS3 channel that is ordered. These charges will apply even if the customer designated premises and the serving wire center are collocated in a Company building.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.1 Rate Categories (Cont'd)

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Company hub or between two Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Company serving wire centers and/or hub(s).

(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). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer designated premises and Company hub where the channel is terminated. If the Channel Mileage is between bridging hubs, the Channel Mileage Termination rate will apply per Company designated hub. If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

The Optional Features and Functions rate category recovers the costs associated with 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 equipment. Although the equipment necessary to perform a 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
- Conditioning
- Transfer Arrangements

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.1 Rate Categories (Cont'd)

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 preceding.

A hub is a Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multi-point arrangement. The multiplexing functions are to channelize digital facilities to individual services requiring a lower capacity or bandwidth

7.9.2 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 recurring rates that apply each month.

(B) Non-recurring Charges

Non-recurring charges are one-time charges that apply for 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 features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1 following.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.2 Types of Rates and Charges (Cont'd)

(B) Non-recurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in 17.4.1 following will apply per order.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.2 Types of Rates and Charges (Cont'd)

(B) Non-recurring Charges (Cont'd)

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in 3.4 preceding.

Changes in the type of Service or Channel Termination which result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in 2.1.9(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.2 Types of Rates and Charges (Cont'd)

(B) Non-recurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

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 customer or customer's end user contact name or telephone number; and
- Change of jurisdiction.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in 17.4.1 following.

7.9.3 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 on whether the move is to a new location within the same building or to a different building.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.3 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. This charge is in addition to the Access Order Charge as specified in 17.4.1 following.

(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.

7.9.4 Minimum Periods

The minimum service period for all services except part-time Video and Program Audio services and DS3 High Capacity Service is one month and the full monthly rate will apply to the first month. The minimum service period for part-time Video and program Audio services is a continuous 24-hour period, not limited to a calendar day. The minimum service period for DS3 High Capacity service is twelve months.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.5 Mileage Measurement

Special Access will be billed to Customers under two options. The first option is where the Company will provision and provide a Special Access circuit from end to end and will bill all mileage at Company's access charge rates. The second option is where the Company will only provision the portion of the Special Access circuit that used Company facilities. In this case, the Customer would be required to obtain the other portion of Special Access circuit from the other Company (ies) needed to provision the required services. The applicable mileage option will be the Company's discretion for each Special Access circuit ordered.

Option I: Company provided and provisioned Special Access circuit from end to end:

The mileage to be used to determine the monthly rate for the Channel Mileage Facility 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 designated premises and a hub,
- two hubs
- or between the serving wire center associated with a customer designated premises and a WATS Serving Office.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.9 Rate Regulations (Cont'd)

7.9.5 Mileage Measurements (Cont'd)

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.

Mileage charges are shown with each channel type. Mileage the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination. When 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.

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 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.

See the service configuration example for multi-point service as set forth in 7.1.3(B) preceding.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.10 Mixed Use Analog and Digital High Capacity Services

Mixed use refers to a rate application applicable only when the customer orders High Capacity Special Access facilities between a customer designated premises and a Company hub where the Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services. If the customer has Switched Access Service between a customer designated premises and an end office that is multiplexed at a Company hub and subsequently orders the derived channels as Special and Switched Access Service, rates and charges will apply as if the service were ordered as mixed use.

Except as noted above, the High Capacity facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexing Arrangement). The nonrecurring charge that applies when the mixed use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed use facility.

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises. The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

INTRASTATE DOMESTIC ACCESS SERVICES

7. Special Access (Cont'd)

7.10 Mixed Use Analog and Digital High Capacity Services (Cont'd)

As each individual channel is activated for Switched Access Service, the High Capacity Special Access Channel Termination, Channel Mileage, and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a DS1 service, 1/672nd for a DS3 service, etc.). Switched Access Service rates and charges, as set forth in 17.2 following, will apply for each channel that is used to provide a Switched Access Service. Additionally, the Switched Access Service Entrance Facility, Direct Trunked Transport, and Multiplexing charges, if applicable, will be reduced by multiplying their respective rates by the ratio of derived Switched Access Service channels to the total number of Voice Grade channels that can be derived.

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use Facilities and specify the channel assignment for each such service.

7.11 Individual Case Filings

Certain services set forth in Special Access Service, Section 7. are provided on an Individual Case Basis. Rates and charges for Special Access Service provided on an Individual Case Basis are set forth in 17.5 following.

INTRASTATE DOMESTIC ACCESS SERVICES

8. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES

8.1 Description

The services provided under this tariff are provided over such routes and facilities as the Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Company provides Switched Access Service, Special Access Service in a manner which includes one or more of the following conditions:

8.1.1 Diversity

Two or more circuits must be provided over not more than two different physical routes.

8.1.2 Avoidance

A circuit(s) must be provided on a route which avoids specified geographical locations.

8.1.3 Diversity and Avoidance Combined

INTRASTATE DOMESTIC ACCESS SERVICES

9. SPECIALIZED SERVICE OR ARRANGEMENTS

9.1 General

Specialized Service or Arrangements may be provided by the 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 Company in furnishing its other services.
- The requested service or arrangements are compatible with other Company services, facilities, and its engineering and maintenance practices.
- This offering is subject to the availability of the necessary Company personnel and capital resources.

Rates and charges and additional regulations if applicable, for Specialized Service or Arrangements are provided on an individual case basis and are as set forth in 17.4.6 (JSI) following.

INTRASTATE DOMESTIC ACCESS SERVICES

10. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES

Section 10.1 addresses Additional Engineering. 10.2 addresses Additional Labor (which is comprised of Overtime Installation, Overtime Repair, Stand by, Testing and Maintenance with Other Companies, and Other Labor). 10.3 addresses Miscellaneous Services (which are comprised of Testing Services, Maintenance of Service and Telecommunications Service Restoration Priority).

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 8:00 a.m. to 5:00 p.m.) for the application of rates based on working hours.

A Miscellaneous Service Order charge as described in previous sections may be applicable to services ordered from this section.

10.1 Additional Engineering

Additional Engineering, including engineering reviews 3.4.3 will be undertaken only after the Company has notified the customer that additional engineering charges apply as set forth in 17.4.3 following, and the customer agrees to such charges.

Additional Engineering will be provided by the Company at the request of the customer only when:

- (A) A customer requests additional technical information after the 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) Additional engineering time is incurred by the Company to engineer a customer's request for a customized service as set forth in 7.1.2 preceding.
- (C) A customer requested Design Change requires the expenditure of additional engineering time. Such additional engineering time is incurred by the Company for the engineering review as set forth in 3.4.3 preceding. The charge for additional engineering time relating to the engineering review, which is undertaken to determine if a design change is indeed required, will apply whether or not the customer authorizes the Company to proceed with the Design Change. In this case the Design Change charge, as set forth in 17.4.1(C) following, does not apply unless the customer authorizes the Company to proceed with the Design Change.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.2 Additional Labor

Additional Labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in 10.2.1 through 10.2.5 following. The Company will notify the customer that additional labor charges as set forth in 17.4.3 following will apply before any additional labor is undertaken. A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. When provisioning or restoring Telecommunications Service Priority services, the Company will, when possible, notify the customer of the applicability of these Additional Labor charges.

10.2.1 Overtime Installation

Overtime installation is that Company installation effort outside of normally scheduled working hours.

10.2.2 Overtime Repair

Overtime repair is that Company effort performed outside of normally scheduled working hours.

10.2.3 Stand by

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make installation acceptance tests or cooperative tests with a customer to verify facility repair on a given service.

10.2.4 Testing and Maintenance with Other Companies

Additional testing, maintenance or repair of facilities which connect other telephone companies is that which is in addition to the normal effort required to test, maintain or repair facilities provided solely by the Company.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.2 Additional Labor (Cont'd)

10.2.5 Other Labor

Other labor is that additional labor not included in 10.2.1 through 10.2.4 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.

10.3 Miscellaneous Services

10.3.1 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 17.4.4 following. A call out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. Other testing services, as described in 5.2.2 and 7.7 preceding, are provided by the Company in association with Access Services and are furnished at no additional charge.

Testing services are normally provided by Company personnel at Company locations. However, provisions are made in (B)(2) following for a customer to request Company personnel to perform testing services at the customer designated 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) and (B) following.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.1 Testing Services (Cont'd)

(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 customer acceptance of such access services and which are without charge i.e., routine testing and (c) additional tests which are performed during or after customer acceptance of such access services and for which additional charges apply, i.e., Additional Cooperative Acceptance Tests and in-service tests.

Routine tests are those tests performed by the Company on a regular basis, as set forth in 5.2.2 preceding which are required to maintain Switched Access Service. Additional in-service tests may be done on an automatic basis (no Company or customer technicians involved), on a manual basis (Company technician(s) involved at Company office(s) and Company or customer technician(s) involved at the customer designated premises).

Testing services are ordered to the end office for FGD. Testing Services for Directory Assistance Service not routed through an access tandem is ordered to a Directory Assistance Location for each NPA.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing of Switched Access Service involves the Company provision of a technician at its office(s) and the customer provision of a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(2) Additional Automatic Testing

Additional Automatic Testing (AAT) of Switched Access Services is a service 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 loss, C-Message Noise and Balance) on an as needed or more than routine schedule.

The 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.

The Additional Tests, (i.e., gain slope, C- notched noise, 1004 Hz loss, C-message noise and balance) may be ordered by the customer at additional charges, 60 days prior to the start of the customer prescribed schedule. The rates for Additional Automatic Tests are as set forth in 17.4.4(A) following.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(3) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (Feature Group D and Directory Access Service not routed through an access tandem), is a service where the Company provides a technician at its office(s) and the Company or customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests. Such additional tests will normally consist of gain-slope and C-notched noise testing. However, the Company will conduct any additional tests which the IXC may request.

The Company will provide an AMT report listing the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on a per occurrence basis.

The Additional Manual Tests may be ordered by the customer at additional charges, 60 days prior to the start of the testing schedule as mutually agreed to by the customer and the Company.

The rates for Additional Manual Testing are as set forth in 17.4.2(C) following.

(4) Obligations of the Customer

(A) The customer shall provide the Remote Office Test Line priming data to the Company, as appropriate, to support routine testing as set forth in 5.2.2 (B) preceding.

(B) The customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

(5) Special Access Service

The Company will provide assistance in performing specific tests requested by the customer.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.1 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(6) Additional Manual Testing

Additional Manual Testing (AMT) of Switched Access Services (Feature Group D and Directory Access Service not routed through an access tandem), is a service where the Company provides a technician at its office(s) and the Company or customer provides a technician at the customer designated premises, with suitable test equipment to perform the required tests. Such additional tests will normally consist of gain-slope and C-notched noise testing. However, the Company will conduct any additional tests which the IXC may request.

(7) Additional Manual Testing

The Company will provide a technician at its premises, and the Company or customer will provide a technician at the customer's designated premises with suitable test equipment to perform the requested tests.

(8) 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 Company at time mutually agreed upon.

10.3.2 Maintenance of Service

When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge as set forth in 17.4.2(F) following for the period of time from when Company personnel are dispatched, at the request of the customer, to the customer designated premises to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.2 Telecommunications Service Priority (Cont'd)

- (A) The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel to the customer designated premises, and the trouble is in equipment or communications systems provided by other than the Company or in detariffed CPE provided by the Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service Charge applies.

10.3.3 Telecommunications Service Priority - TSP

- (A) Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A, of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCSH 3-1-2) dated July 9, 1990, and "Telecommunications Service Priority System for National Security Emergency Preparedness Service User Manual" (NCSM 3-1-1).

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.3 Telecommunications Service Priority (Cont'd)

(A) (Cont'd)

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor's Handbook and Service User's Manual which provides the regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications services, and requires and authorizes priority action by the Company providing such services.

For Switched Access Service, the TSP System's applicability is limited to those services which the Company can discreetly identify for priority provisioning and/or restoration.

(B) A Telecommunications Service Priority charge applies as set forth in 17.4.4 when a request to provide or change a Telecommunications Service Priority is received subsequent to the issuance of an Access Order to install the service.

Additionally, a Miscellaneous Service Order Charge as set forth in 17.4.1 will apply to Telecommunications Service Priority requests that are ordered subsequent to the initial installation of the associated access service.

A Telecommunications Service Priority charge does not apply when a Telecommunications Service Priority is discontinued or when ordered coincident with an Access Order to install or change service.

In addition, Additional Labor rates as set forth in 17.4.3 may be applicable when provisioning or restoring Switched or Special Access Services with Telecommunications Service Priority.

When the customer requests an audit or a reconciliation of the Telephone Company's Telecommunications Service Priority records, a Miscellaneous Service Order Charge as set forth in 17.4.1 (D) and Additional Labor rates as set forth in 17.4.3 are applicable.

INTRASTATE DOMESTIC ACCESS SERVICES

10. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

10.3 Miscellaneous Services (Cont'd)

10.3.4 Billing Name and Address (BNA) Service

Billing Name and Address service is the provision by the Company, to an intrastate or interstate service provider who is a customer of the Company, of the complete billing name, street address, city or town, state and zip code for a telephone number. The service is offered to an intrastate or interstate service provider who is an interexchange carrier, an operator service provider, an enhanced service provider or any provider of telecommunications services. BNA service is supplied only to allow customers to bill their end users for telephone services they provide. BNA information may not be resold or used for any other purpose including, but not limited to, marketing or merchandising activities. BNA information shall be treated as confidential by the customer.

BNA information will be provided for listed/published telephone numbers. Requests for non-published and unlisted telephone numbers will be provided, unless the subscriber of a non-published or unlisted telephone number has affirmatively requested that its BNA not be disclosed.

BNA requests will be received via facsimile only. Unless the requested telephone number is non-published or unlisted, responses will be returned via facsimile to the customer within thirty (30) days of receipt of the initial request. In the event the requested telephone number is non-published or unlisted, pursuant to the FCC's December 7, 1994 BNA Order, the Company will send a letter via the United States Postal Service, to the end user informing him that they may prevent BNA disclosure. The Company must allow thirty (30) days for the unlisted and non-published subscribers to return their written non-disclosure authorization. In the event the subscriber does not return this non-disclosure within this time period, the BNA information will be released to the customer.

RATES & CHARGES FOR BNA SERVICE

For each order for BNA information received by the Company, a BNA order charge applies. In addition, a charge applies for each customer specific record provided.

A. BNA Order Charge	\$50.94
B. BNA charge per record	\$0.33

INTRASTATE DOMESTIC ACCESS SERVICES

11. INTRASTATE SERVICE OPTIONS AND CONTRACT SERVICES

(Reserved for Future Use)

INTRASTATE DOMESTIC ACCESS SERVICES

12. RESERVED FOR FUTURE USE

INTRASTATE DOMESTIC ACCESS SERVICES

13. RESERVED FOR FUTURE USE

INTRASTATE DOMESTIC ACCESS SERVICES

14. RESERVED FOR FUTURE USE

INTRASTATE DOMESTIC ACCESS SERVICES

15. RESERVED FOR FUTURE USE

INTRASTATE DOMESTIC ACCESS SERVICES

16. RESERVED FOR FUTURE USE

INTRASTATE DOMESTIC ACCESS SERVICES

17. RATES AND CHARGES - GENERAL

All Tariff Section References contained herein are to the provisions of this Tariff.

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges

17.1 Common Line Access Service

17.1.1 Carrier Common Line Access Service Rate

Regulations concerning Carrier Common Line Access are set forth in Section 4 preceding.

<u>Premium Access</u>	<u>Zone 1</u>	<u>Zone 2</u>
- Terminating Per Access Minute	* (M)	* (M)
- Originating Per Access Minute	\$0.000000	\$0.010000

17.2 Switched Access Service

17.2.1 Nonrecurring Charges Rate Tariff Section Reference

(A) <u>Local Transport – Installation Per Entrance Facility</u>		5.4.1(B)(1)
Voice Grade Two Wire	\$161.00	
Voice Grade Four Wire	\$161.00	
High Capacity DS1	\$181.00	
High Capacity DS3	\$499.00	
(B) <u>FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling</u>		
Per 24 Trunks Converted or Fraction thereof on a Per Order Basis	\$260.00	5.4.1(B)(2)
(C) <u>Direct Trunked Transport Activated</u>	<u>Per Order</u>	
Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$ 90.00	5.4.1(B)(1)
(D) <u>Local Transport – Installation Per Line or Trunk</u>	<u>First</u> \$915.00	<u>Additional</u> \$100.00

*Terminating rates filed herein are at or below the rates found in Knology Inc.'s FCC Tariff No. 1 and can be found at: <http://www.wowway.com/experience/terms-and-conditions/south/fcc-interstate-access-tariff>

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KNOLGY of Alabama, Inc.
1241 O.G. Skinner Drive
West Point, Georgia 31833

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INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport

Rate

Tariff
Section
Reference

Premium Access

Entrance Facility

Per Termination

5.1.3(A)(1)

Monthly

Voice Grade Two Wire \$ 32.00
Voice Grade Four Wire \$ 47.50
High Capacity DS1 \$ 133.81
High Capacity DS3 \$2,051.19

Direct Trunked Transport

5.1.3(A)(4)

Direct Trunked Facility

Per Mile

Voice Grade \$ 1.90
High Capacity DS1 \$ 19.14
High Capacity DS3 \$ 131.77

Direct Trunked Termination

Per Termination

Voice Grade \$ 25.11
High Capacity DS1 \$ 90.00
High Capacity DS3 \$ 525.64

Multiplexing

Per Arrangement

5.1.3(A)(3)

DS3 to DS1 \$ 474.31
DS1 to Voice \$ 0.00

Tandem Switched Transport

5.1.3(A)(5)

Tandem Switched Facility

Zone 1

Zone 2

Per Access Minute per mile

\$ 0.00004

\$0.0000228

Originating

* (M)

*

(M)

Terminating

Tandem Switched Termination

Per Access Minute Per Termination

Originating

\$ 0.00036

\$0.0003012

Terminating

* (M)

*

(M)

Tandem Switching

Per Access Minute Per Tandem

Originating

\$ 0.00074

\$0.000000

Terminating

* (M)

*

(M)

Residual Interconnection Charge

Per Access Minute

\$0.00000

5.1.3(A)(2)

\$0.000000

*Terminating rates filed herein are at or below the rates found in Knology Inc.'s FCC Tariff No. 1 and can be found at:
<http://www.wowway.com/experience/terms-and-conditions/south/fcc-interstate-access-tariff>

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

(1) Signaling Network Access Link

Signaling Mileage
Facility per mile

\$3.09

Signaling Mileage Termination
per Termination

\$39.79

Signaling Entrance Facility
Per Facility

\$0.00

Tariff
Section
Reference

5.4.5(B)

Nonrecurring
Charge

Signaling Entrance Facility
per Facility

\$0.00

STP Port
per port

\$355.00

(2) 800 Series Data Base Access Service Queries

Tariff
Section
Reference

Per Query

5.1.3(C)(2)

Basic

Zone 1
\$0.00365

Zone 2
\$0.00670

Vertical Feature

\$0.00431

\$0.00670

17.2.3 End Office

(A) Local Switching

5.1.3(B)(1)

Per Minute / Originating
Per Minute / Terminating

\$0.005023
* (M)

\$0.0167557
* (M)

(B) Information Surcharge

Premium

5.1.3(B)(2)

Per 100 Access Minutes

\$0.000000

\$0.000000

*Terminating rates filed herein are at or below the rates found in Knology Inc.'s FCC Tariff No. 1 and can be found at:
<http://www.wowway.com/experience/terms-and-conditions/south/fcc-interstate-access-tariff>

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**KNOLOGY of Alabama, Inc.
1241 O.G. Skinner Drive
West Point, Georgia 31833**

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.4 Operator Transfer Service

	<u>Rate</u>	<u>Tariff Section Reference</u>
Per Call Transferred	\$0.00	5.1.3(C)(1)

17.3 Special Access Service

17.3.1 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in 7.2.1 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
- Two-Wire	\$ 25.00	\$240.00
- Four-Wire	\$ 45.00	\$245.00
(B) Channel Mileage		
(1) Channel Mileage Facility Per Mile	\$ 2.05	
(2) Channel Mileage Termination Per Termination	\$ 30.00	
(C) Optional Features and Functions		
(1) Bridging		
(a) <u>Voice Bridging</u> Per Port		
- Two-Wire	\$ 12.00	
- Four-Wire	\$ 14.00	
(b) <u>Data Bridging</u> Per Port		
- Two-Wire	\$ 20.00	
- Four-Wire	\$ 20.00	

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.1 Voice Grade Service (Cont'd)

(C)	Optional Features and Functions (Cont'd)	Monthly <u>Rate</u>
(2)	Conditioning Per Termination	
	- C Type	\$ 3.00
	- Data Capability	\$ 3.00
(3)	Improved Return Loss for Effective Two-Wire or Four-Wire Transmission Per Termination	
	- Two-Wire	\$ 20.00
	- Four-Wire	\$ 20.00
(4)	Customer Specified Receive Level per two-wire termination	\$ 20.00
(5)	Signaling Capability Per termination	\$ 10.00
(6)	Selective Signaling Arrangement Per arrangement	N/A
(7)	Transfer Arrangement	
	- Per four port arrangement including control channel termination	N/A
	- Per five port arrangement including control channel termination	N/A

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.2 Digital Data Service

Regulations concerning Digital Data Service are set forth in 7.2.2 preceding.

(A) Channel Termination
Per Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
- 2.4 kbps	\$ 50.00	\$340.00
- 4.8 kbps	50.00	340.00
- 9.6 kbps	50.00	340.00
- 19.2 kbps	50.00	340.00
- 56.0 kbps	70.00	340.00
- 64.0 kbps	70.00	340.00

(B) Channel Mileage

(1) Channel Mileage Facility
Per Mile

	<u>Monthly Rate</u>
- 2.4 kbps	\$ 2.05
- 4.8 kbps	2.05
- 9.6 kbps	2.05
-19.2 kbps	2.05
-56.0 kbps	4.10
-64.0 kbps	4.10

(2) Channel Mileage Termination
Per Termination

- 2.4 kbps	\$ 22.00
- 4.8 kbps	22.00
- 9.6 kbps	22.00
-19.2 kbps	22.00
-56.0 kbps	40.00
-64.0 kbps	40.00

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.2 Digital Data Service (Cont'd)

	<u>Monthly Rate</u>
(C) Optional Features and Functions	
(1) Bridging Per Port	\$25.00
(2) Loop Transfer Arrangement Per four port arrangement*	N/A

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

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INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.3. Special Access Service (Cont'd)

17.3.3 High Capacity Service

Regulations concerning High Capacity Service are set forth in 7.2.3 preceding.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A) Channel Termination Per Termination		
- DS1 1.544 Mbps	\$119.00	\$675.00
- DS3 44.736 Mbps	N/A	N/A
(B) Channel Mileage	<u>Monthly Rate</u>	
(1) Channel Mileage Facility Per Mile		
- 1.544 Mbps	\$ 22.00	
- 44.736 Mbps	ICB	
(2) Channel Mileage Termination Per Termination		
- 1.544 Mbps	\$ 75.00	
- 44.736 Mbps	ICB	
(C) Optional Features and Functions		<u>Rate</u>
(1) Multiplexing, per arrangement		
DS3 to DS1		ICB
DS1 to Voice		ICB
(2) Transfer Arrangement Per four port arrangement including control channel termination		\$175.00

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services

17.4.1 Access Ordering

	<u>Charge</u>	<u>Tariff Section Reference</u>
(A) <u>Access Order Charge</u> Per Order	\$80.00	3.4.3
(B) <u>Service Date Change Charge</u>		
A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is:		
Service Date Change Charge, per order	\$ 35.13	3.4.3
(C) <u>Design Change Charge</u>		
The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is:		
Design Change Charge, per order	\$ 60.94	3.4.3
(D) <u>Miscellaneous Service Order Charge</u>		
Per Occurrence	\$15	3.4.2
(E) <u>Expedited Service Order Charge</u>		
Per Access Service Request or Local Service Request	\$50	3.1.3

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.2 Additional Engineering

<u>Additional Engineering Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) Basic Time per engineer normally scheduled working hours	\$51.66	10.1
(B) Overtime per engineer outside of normally scheduled working hours	\$54.51	10.1
(C) Premium Time outside of scheduled work day, per engineer	N/A	10.1

These labor charges are applicable for the following:

Additional Cooperative Acceptance testing
Additional Manual Testing
Maintenance of Service

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.3 Additional Labor

<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A) <u>Installation or Repair</u>		
- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$ 6.37*	10.2.1 & 10.2.2
- Premium Time, outside of scheduled work day, per technician	\$13.99*	10.2.1 & 10.2.2
(B) <u>Stand by</u>		
- Basic time, normally scheduled working hours, per technician	\$61.82	10.2.3
- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$65.63*	10.2.3
- Premium Time, outside of scheduled work day, per technician	\$69.44*	10.2.3

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

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KNOLGY of Alabama, Inc.
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INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.3 Additional Labor (Cont'd)

	<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(C)	Testing and Maintenance with other Telephone Companies, or Other Labor		
-	Basic Time per technician normally scheduled working hours	\$61.82	10.2.4 & 10.2.5
-	Overtime per technician outside of normally scheduled working hours on a scheduled work day	\$65.63*	10.2.4 & 10.2.5
-	Premium Time per technician outside of scheduled work day	\$69.44*	10.2.4 & 10.2.5

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

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INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services

(A) Additional Automatic Testing - Switched Access

<u>To First Point of Switching</u>	<u>Rate</u>	<u>Tariff Section Reference</u>
Additional Per Test Per Path	N/A	10.3.1(A)(2)

(B) Additional Cooperative Acceptance Testing - Special Access

Regulations concerning Testing Periods such as Basic Time, Overtime*, and Premium Time* are in accordance with Tariff Section 10.3.1(B)(1). For each half hour or fraction thereof See "Rates for Additional Labor" as set forth in 17.4.3(C) preceding.

(C) Telecommunications Service Priority

	<u>Nonrecurring Charge</u>	<u>Tariff Section Reference</u>
Per service arranged	\$84.00	10.3.3

(D) Presubscription

	<u>Nonrecurring Charge</u>	
Per Telephone Exchange Service trunk	\$ 5.00	6.1(B)(1)

(E) Unauthorized PIC Change

- Residence/Business Per Telephone Exchange Service line or trunk	N/A	
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* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd)

Rate

17.4.5 Special Facilities Routing of Access Services

(A) Diversity

ICB

(B) Avoidance

ICB

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis.

(C) Diversity and Avoidance Combined

ICB

INTRASTATE DOMESTIC ACCESS SERVICES

17. Rates and Charges (Cont'd)

17.4 Other Services (Cont'd) Rate

17.4.6 Specialized Service or Arrangements ICB

Specialized Service or Arrangements are provided on an individual case basis as set forth following:

(Reserved for future use.)

17.5 Individual Case Base

Arrangements will be developed on a case-by case basis in response to a bon-fide request from a Customer or prospective Customer to develop a competitive bid for service offered under this Tariff. Rates quoted in response to such competitive request may be different than those specified for the services in this Tariff. ICB rates will be offered the Customer in writing and on a nondiscriminatory basis. ICB arrangements are subject to APSC approval.