
ACCESS SERVICES

Regulations, Rates, and Charges applying to the
provision of Access Services for Interstate Customers
in the State of Pennsylvania

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

ACCESS SERVICES

CHECK SHEET

The Title Page and Pages 1 to 9-5 inclusive of this tariff are effective as of the date shown. Original and revised pages, as named below are in effect on the date indicated.

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ACCESS SERVICES

CONCURRING CARRIERS
No Concurring Carriers

CONNECTION CARRIERS
No Connecting Carriers

OTHER PARTICIPATING CARRIERS
No Other Participating Carriers

EXPLANATION OF SYMBOLS

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

- | | |
|---|--|
| C | To signify changed regulation or rate structure. |
| D | To signify discontinued material. |
| I | To signify a increased rate. |
| M | To signify a move in the location of text. |
| N | To signify a new rate or regulation |
| R | To signify a reduced rate. |
| S | To signify reissued material. |
| T | To signify a change in text but no change in rate or regulation. |

ACCESS SERVICES

1. APPLICATION

This tariff applies to interstate access service supplied to Customers for origination and termination of traffic to and from Central Office codes directly assigned to CTSI, LLC or its subsidiaries.

ACCESS SERVICES

2. DEFINITIONS

Certain terms used generally throughout this tariff are described below.

Advance Payment

Part or all of a payment required before the start of service.

Access Services

The Company's interstate telephone services offered pursuant to 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 Company uses to determine the number of transmission paths for the Feature Group and/or Directory Assistance Service ordered.

Carrier or Common Carrier

See Interexchange Carrier.

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.

Company

CTSI, LLC (CTSI), the issuer of this tariff, and any concurring carriers.

ACCESS SERVICES

2. DEFINITIONS (Cont'd)

Customer

The person, firm or corporation which orders service and is responsible for the payment of charges and compliance with the Company's regulations.

End Office

With respect to each NPA NXX code prefix assigned to the Company, the location of the Company's "end office" for purposes of this tariff shall be the point of interconnection associated with that NPA NXX code in the Local Exchange Routing Guide.

End User

A person or entity that subscribes to any CTSI Exchange Access Service and that has been assigned one or more telephone number(s) within a central office code (NPA NXX) directly assigned to the Company.

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 interstate or foreign communication by wire or radio, between two or more exchanges.

LATA

A Local Access and Transport Area established pursuant to the Modification of Final Judgment entered by the United States District Court for the District of Columbia in Civil Action No. 82 0192; or any other geographic area designated as a LATA in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

Local Number Portability (LNP)

The term "Local Number Portability" denotes the ability of an end user of local exchange telecommunications service to retain an existing telephone number without impairment of quality, reliability, or convenience when switching from one carrier to another.

Recurring Charges

The monthly charges to the Customer for services, facilities and equipment which continue for the agreed upon duration of the service.

ACCESS SERVICES

2. DEFINITIONS (Cont'd)

Service Commencement Date

The first date on which the Company notifies the Customer that the requested service or facility is available for use, unless extended by the Customer's refusal to accept service which does not conform to standards set forth in the Service Order or this tariff, in which case the Service Commencement Date is the date of the Customer's acceptance. The Company and the Customer may mutually agree on a substitute Service Commencement Date. If the Company does not have an executed Service Order from a Customer, the Service Commencement Date will be the first date on which the service or facility was used by a Customer.

Service Order

The written request for access services executed by the Customer and the Company in the format devised by the Company. The signing of a Service Order by the Customer and acceptance by the Company initiates the respective obligations of the parties as set forth therein and pursuant to this tariff, but the duration of the service is calculated from the Service Commencement Date. Should a Customer use the Company's access service without an executed Service Order, the Company will then request the Customer to submit a Service Order.

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.

Serving Wire Center

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

Shared

A facility or equipment system or subsystem that can be used simultaneously by several Customers.

ACCESS SERVICES

2. DEFINITIONS (Cont'd)

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.

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.

User

A Customer or any other person authorized by the Customer to use service provided under this tariff.

Wire Center

A building in which one or more central offices, used for the provision of Exchange Services, are located

ACCESS SERVICES

3. REGULATIONS

3.1 Undertaking of the Company

3.1.1 Scope

The Company undertakes to furnish access services in accordance with the terms and conditions set forth in this tariff.

3.1.2 Shortage of Facilities

All service is subject to the availability of suitable facilities. The Company reserves the right to limit the length of communications or to discontinue furnishing services when necessary because of the lack of transmission medium capacity or because of any causes beyond its control.

3.1.3 Terms and Conditions

- (A) Service is provided on the basis of a minimum period of one month 24 hours per day. For the purpose of computing charges in this tariff, a month is considered to have 30 days.
- (B) Customers may be required to enter into written service orders which shall contain or reference a specific description of the service ordered, the rates to be charged, the duration of the services, and the terms and conditions in this tariff. Customer will also be required to execute any other documents as may be reasonably requested by the Company.
- (C) In any action between the parties to enforce any provision of this tariff, the prevailing party shall be entitled to recover its legal fees and court costs from the non-prevailing party in addition to other relief a court may award.
- (D) This tariff shall be interpreted and governed by the laws of the United States without regard for its choice of laws provision.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.1 Undertaking of the Company (Cont'd)

3.1.4 Liability of the Company

- (A) Except as stated in Section 3.1.4, the Company shall have no liability for damages of any kind arising out of or related to events, acts, rights or privileges contemplated in this tariff. This tariff does not limit the liability of the Company for willful misconduct.
- (B) The liability of the Company for damages resulting in whole or in part from or arising in connection with the furnishing of service under this tariff, including but not limited to mistakes, omissions, interruptions, delays, errors or other defects or misrepresentations shall not exceed an amount equal to five times the initial period charge provided for under this tariff for any call for the period during which the call was affected. No other liability in any event shall attach to the Company.
- (C) The Company shall not be liable for any failure of performance hereunder due to causes beyond its control, including but not limited to acts of God, fires, flood or other catastrophes; failure of utility services; any law, order, regulation, directive, action or request of the United States Government, or any other government, including state and local governments having jurisdiction over the Company, or of any department, agency, commission, bureau, corporation or other instrumentality of any one or more of said governments, or of any civil or military authority; national emergencies, insurrections, riots, wars or other labor difficulties.
- (D) The Company shall not be liable for any act or omission of any other entity furnishing to the Customer facilities, equipment, or services used with the Company's access services. Nor shall the Company be liable for any damages or losses due to unauthorized use or the service or the failure or negligence of the Customer or due to the failure of the Customer provided equipment, facilities or services.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.1 Undertaking of the Company (Cont'd)

3.1.5 Claims

The Company shall be indemnified and saved harmless by the Customer from and against all loss, liability, damage and expense, including reasonable counsel fees, due to claims of libel, slander, or infringement of copyright in connection with the material transmitted over the Company's facilities; and any other claim resulting from any act or omission of the Customer or patron(s) of the Customer relating to the use of the Company's services or facilities.

3.1.6 Provision of Equipment and Facilities

- (A) Except as otherwise indicated, customer provided station equipment at the Customer's premises for use in conjunction with this service shall be so constructed, maintained and operated as to work satisfactorily with the facilities of the Company.
- (B) The company shall not be responsible for the installation, operation or maintenance of any Customer provided communications equipment. Where such equipment is connected to service furnished pursuant to this tariff, the responsibility of the Company shall be limited to the furnishing of services under this tariff and to the maintenance and operation of such services in the proper manner. Subject to this responsibility, the Company shall not be responsible for:
 - (1) the through transmission of signals generated by Customer provided equipment or for the quality of, or defects in, such transmission; or
 - (2) the reception of signals by Customer provided equipment; or
 - (3) network control signalling where such signalling is performed by Customer provided network control signalling equipment.

3.1.7 Ownership of Facilities

Title to all facilities provided in accordance with this tariff remains in the Company, its agents, contractors or suppliers.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.2 Prohibited Uses

The services the Company offers shall not be used for any unlawful purpose or for any use for which the Customer has not obtained all required governmental approvals, authorization, licenses, consents and permits.

The Company may require applicants for service who intend to use the Company's offering for resale and/or for shared use to file a letter with the Company confirming that their use of the Company's offerings complies with relevant laws and regulations, policies, orders, and decisions.

The Company may require a Customer to immediately shut down its transmission if such transmission is causing interference to others.

A Customer, joint user, or authorized user may not assign, or transfer in any manner, the service or any rights associated with the service without the written consent of the Company. The Company will permit a Customer to transfer its existing service to another entity if the existing Customer has paid all charges owed to the Company for regulated access services. Such a transfer will be treated as a disconnection of existing service and installation of new service, and non-recurring installation charges as stated in this tariff will apply.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.3 Obligations of the Customer

3.3.1 Customer Premises Provisions

- (A) The Customer shall provide the personnel, power and space required to operate all facilities and associated equipment installed on the premises of the Customer.
- (B) The Customer shall be responsible for providing Company personnel access to premises of the Customer at any reasonable hour for the purpose of testing the facilities or equipment of the Company.

3.3.2 Liability of the Customer

The Customer will be liable for damages to the facilities of the Company caused by negligence or willful acts of its offices, employees, agents or contractors of the Customer where such negligence or willful acts is not the direct result of the Company's negligence.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.3 Obligations of the Customer

3.3.3 Jurisdictional Report Requirements

- (A) For Feature Group B Switched Access Service(s) for both interstate and intrastate use, the projected interstate percentage of use must be provided by the Customer in a whole number to the Company. The Company will designate the number obtained by subtracting the projected interstate percentage of use from 100 (100 - projected interstate percentage = intrastate percentage) as the projected intrastate percentage of use.

For Feature Group D Switched Access Service(s), the Company, where jurisdiction can be determined from the call detail, will determine the projected interstate percentage as follows. For originating access minutes, the projected interstate percentage will be developed on a monthly basis by end office when the Feature Group D, Switched Access Service access minutes are measured by dividing the measured interstate originating access minutes (the access minutes where the calling number is in one state and the called number is in another state) by the total originating access minutes when the call detail is adequate to determine the appropriate jurisdiction. For terminating access minutes, the Customer has the option to provide the Company with a Projected PIU factor. Customers who provide a PIU factor shall supply the Company with an interstate percentage of Feature Group D terminating access minutes for each account to which the Customer may terminate traffic.

Should the Customer not supply a terminating PIU Factor, the data used by the Company to develop the projected interstate percentage for originating access minutes will be used to develop projected interstate percentage for such terminating access minutes. When a Customer orders Feature Group D Switched Access Service, the Customer shall supply projected interstate percentage of use for each end office involved to be used in the event that originating call details are insufficient to determine the jurisdiction for the call. This percentage shall be used by the Company as the projected interstate percentage for such call detail. For purposes of developing the projected interstate percentage, the Customer shall utilize the same considerations as those set in forth in Section 3.3.3 (B) following.

The Company will designate the number obtained by subtracting the projected interstate percentage for originating and terminating access minutes from 100 (100 - projected interstate percentage = intrastate percentage) as the projected intrastate percentage of use.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.3 Obligations of the Customer (Cont'd)

3.3.3 Jurisdictional Report Requirements (Cont'd)

- (B) For purposes of developing the projected interstate percentage, the Customer shall consider every call that enters the customer's network at a point within the same state as the state where the called station is located to be intrastate and every call that enters the Customer's network at a point in a state different from the state in which the called station is located to be interstate.
- (C) These whole number percentages will be used by the Company to apportion the use, rates, and/or nonrecurring charges between interstate and intrastate until a revised report is received.
- (D) The projected interstate percentage of use will be used to determine the charges as follows:

The number of access minutes for a group will be multiplied by the projected interstate percentage of use to determine the interstate access minutes. (i.e., number of access minutes x projected interstate percentage of use = interstate access minutes).

The number of interstate access minutes so determined will be subtracted from the total number of access minutes (i.e., number of access minutes interstate access minutes = intrastate access minutes). The interstate access minutes for the group will be billed as set forth in Section 6. following.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.3 Obligations of the Customer (Cont'd)

3.3.3 Jurisdictional Report Requirements (Cont'd)

- (E) Effective on the first of January, April, July and October of each year, the Customer may update the jurisdictional reports that require a projected interstate percentage. The Customer shall forward to the Company, to be received no later than 20 calendar days after the first of each such month, a revised report showing the interstate percentage of use for the past three months ending the last day of December, March, June and September, respectively, for each service arranged for interstate and intrastate use. Except as set forth in Section 3.3.3(A) preceding where jurisdiction can be determined from the recorded message detail, the revised report will serve as the basis for the next three months billing and will be effective on the bill date in the following month (i.e., February, May, August, and November) for that service. No prorating or back billing will be done based on the report. If the Customer does not supply the report, the Company will assume the percentage to be the same as that 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 percentage to be the same as that provided in the order for service as set forth in Section 3.3.3 (A) preceding.
- (F) The Customer reported projected interstate percentage of use as set forth in Section 3.3.3 (A) preceding will be used for the apportionment of rates or nonrecurring charges associated with Feature Group B or D Switched Access Service until the end of the quarter during which the service was activated. Thereafter, a projected interstate percentage for such apportionment will be developed quarterly by the Company based on the data used to develop the projected interstate percentage of use as set forth in Section 3.3.3 (A) preceding. Where call detail is insufficient to make such a determination, the Customer will be requested to project a interstate percentage of use to be used by the Company for such apportionment.
- (G) The Customer shall keep sufficient detail from which the percentage of interstate use can be ascertained and upon request of the Company make the records available for inspection. Such a request will be initiated by the Company no more than once per year. The Customer shall supply the data within 30 calendar days of the Company request.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.4 Customer Equipment and Channels

3.4.1 Interconnection of Facilities

- (A) In order to protect the Company's facilities and personnel and the services furnished to other Customers by the Company from potentially harmful effects, the signals applied to the Company's service shall be such as not to cause damage to the facilities of the Company. Any special interface equipment necessary to achieve the compatibility between facilities of the Company and the channels or facilities of others shall be provided at the Customer's expense.

3.4.2 Inspections

- (A) The Company may, upon notification to the Customer, at a reasonable time, make such tests and inspections as may be necessary to determine that the requirements regarding the equipment and interconnections are being complied with the installation, operation and maintenance of Customer provided equipment and in the wiring of the connection of Customer channels to Company owned facilities.
- (B) If the protective requirements in connections with Customer provided equipment are not being complied with, the Company may take such action as necessary to protect its facilities and personnel and will promptly notify the Customer by registered mail in writing of the need for protective action. In the event that the Customer fails to advise the Company within 10 days after such notice is received or within the time specified in the notice that corrective action has been taken, the Company may take whatever additional action is deemed necessary, including the suspension of service, to protect its facilities and personnel from harm. The Company will, upon request 24 hours in advance, provide the Customer with a statement of technical parameters that the Customer's equipment must meet.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.5 Customer Deposits and Advance Payments

Customers without an established credit rating or with a negative credit rating shall be required to deposit with Company an amount equivalent of up to two months of actual or estimated monthly charges.

All deposits shall bear simple interest at the same percentage rate as that set forth in Section 3.6.1 (B). Interest shall not accrue on any deposit after the date on which a reasonable effort has been made to return it to the Customer. At the Company's option, such deposit may be refunded or credited to the Customer at, or any time prior to, termination of service.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements

3.6.1 Payment for Service

- (A) The Customer is responsible for payment of all charges for facilities and services furnished by the Company. Federal, state and local sales, use and excise taxes, where applicable, shall be added to the charges contained herein. It shall be the responsibility of the Customer to pay any such taxes that may subsequently become applicable retroactively.
- (B) Bills are due and payable upon receipt. If the Customer's net bill is not paid (payment received by the Company) within twenty one (21) days after rendition of the invoice it shall become a delinquent bill and interest at the lesser of (1) the rate of one and one half percent (1.5%) per month or (2) the highest rate allowed by law per month shall accrue upon any unpaid amount due hereunder and the Company substantially prevails in such proceedings then the defendant Customer shall pay the reasonable attorneys' fees and costs of the Company in prosecuting such proceedings and appeals therefrom.
- (C) The Customer will be assessed a charge of fifteen dollars (\$15.00) for each check submitted by the Customer to the Company which a financial institution refuses to honor for insufficient funds or a non-existent account.
- (D) Customers have up to 90 days (commencing 5 days after remittance of the bill) to initiate a dispute over charges or to receive credits.
- (E) If service is disconnected by the Company in accordance with section 3.6.2 following and later restored, restoration of service will be subject to all applicable installation charges.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements (Cont'd)

3.6.1 Payment for Service (Cont'd)

- (F) In the event that a billing dispute concerning any charges billed to the Customer by the Company is resolved in favor of the Company, any payments withheld pending settlement of the dispute shall be subject to the late payment penalty set for in (B) preceding.

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

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

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

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements (Cont'd)

3.6.1 Payment for Service (Cont'd)

- (G) In the event that a billing dispute concerning any charges billed to the Customer by the Company is resolved in favor of the Customer, any payments of the disputed amount, withheld pending settlement of the dispute shall not be subject to the late payment penalty.

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

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

If the Customer disputes the billed amount on or before 90 days from the due date of the disputed bill and pays the total invoice amount on or before the payment due date and the billing dispute is resolved in favor of the Customer, the Customer will receive a credit from the Company. The credit shall be the disputed amount resolved in the Customer's favor times a late payment penalty set forth in (B) preceding. This penalty factor will apply from the date of the Customer's payment through the date of resolution by the Company.

If the Customer disputes the bill after 90 days from the due date of the disputed bill and pays the total amount on or before the date of the dispute, the Customer shall receive a credit from the Company. The credit will equal the disputed amount times a the late payment penalty factor. The penalty factor will apply from the later of the claim date or the date of overpayment through the date of resolution by the Company.

- The date of resolution shall be the date on which the Company completes its investigation of the dispute, notifies the Customer of the disposition and, if the billing dispute is resolved in favor of the Customer, applies the credit for the amount of the dispute resolved in the Customer's favor to the Customer's bill, including the disputed amount penalty credit and/or late payment penalty credit, as appropriate.
- If a billing dispute is resolved in favor of the Company, any payments withheld pending resolution of the dispute shall be subject to the late payment penalty as set forth in (B) preceding. Further, the Customer will not receive a disputed amount penalty credit.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements (Cont'd)

3.6.2 Discontinuance of Service for Cause

The Company may discontinue service or cancel an application for service without incurring any liability for any of the following reasons:

- (A) Upon non-payment of any sum owed to the Company for more than 30 days beyond the date of rendition of the bill service or upon violation of any of the terms or conditions governing the furnishing of service under this tariff, the Company may, on 30 days advance notice in writing to the Customer discontinue the furnishing of service under this tariff.
- (B) Without notice, in the event of a violation of any regulation governing the service under this tariff;
- (C) Without notice, in the event of a violation of any law, rule, or regulation of any government authority having jurisdiction over the service; or
- (D) The Company is prohibited from furnishing services by order of a court or other government authority having jurisdiction.
- (E) In the event of fraudulent use of the Company's network, the Company will discontinue service without notice and/ or seek legal recourse to recover all costs involved in enforcement of this provision.

3.6.3 Notice to Company for Cancellation of Service

Customers desiring to terminate service shall provide Company thirty (30) days written notice of desire to terminate service.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements (Cont'd)

3.6.4 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved

The provisions of meet point billing are applicable to Switched Transport Termination and Facility recurring charges only. All other recurring and nonrecurring charges for services provided by each Exchange Telephone Company are billed under each company's applicable rates as set forth in Section 3.6.4 (A) and (B) following.

The Company accepts and adheres to the Ordering and Billing Forum guidelines, Multiple Exchange Carrier Access Billing (MECAB) and Multiple Exchange Carrier Ordering and Design (MECOD). These guidelines apply to the Access Services as set forth in Section 3.6.4 (A) and (B) following.

The Company will handle ordering, rating and billing of Access Services under this tariff where more than one Exchange Telephone Company is involved in the provision of Access Service as follows.

- (A) When a Feature Group B Switched Access Service is ordered by a Customer where one end of the Switched Transport element is in the Company operating territory and the other end is in another Exchange Telephone Company operating territory, and when notified by the Company which accepts the order that the involved Exchange Telephone Companies cannot implement multi company billing (meet point billing), then the following ordering, provisioning, rating, and billing regulations will apply to Feature Group B Switched Access Service.

When a Feature Group B Switched Access Service is ordered by a Customer where one end of the Switched Transport element is in the Company operating territory and the other end is in another Exchange Telephone Company operating territory, the Exchange Telephone Company in whose territory the first point of switching is located will accept the order. In addition, the Exchange Telephone Company in whose operating territory the Customer point of termination is located must also receive a copy of the order from the Customer. The Exchange Telephone Company that accepts the order will then determine the charges involved, arrange to provide the Access Service ordered and bill the charges in accordance with its Access Service tariff.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.6 Payment Arrangements (Cont'd)

3.6.4 Ordering, Rating and Billing of Access Services Where More Than One Exchange Telephone Company is Involved (Cont'd)

(B) Except as set forth in Section 3.6.4(A) preceding, Feature Group B or D Switched Access Service and/or Directory Assistance Service is ordered by a Customer where one end of the Switched Transport element is in the Company operating territory and the other end is in another Exchange Telephone Company operating territory, the order shall be received as follows:

- (1) For Feature Group B or D Switched Access Service ordered to an end office, the Exchange Telephone Company in whose operating territory the end office is located must receive the order from the Customer.
- (2) For Feature Group B or D Switched Access Service ordered to an access tandem, the Exchange Telephone Company in whose operating territory the access tandem is located must receive the order from the Customer.
- (3) For the Service ordered set forth in Section 3.6.4 (B) (1) and (2) preceding, the Exchange Telephone Company in whose operating territory the Customer premises is located must also receive a copy of the order from the Customer.

The other Exchange Telephone Company involved will provide the portion of the Switched Transport element in its operating territory to an interconnection point (IP) with the Company and will bill the charges in accordance with its Access Service tariff. All other appropriate charges in each Exchange Telephone Company tariff are applicable.

(C) The interconnection points will be determined by the Exchange Telephone Companies involved. The billing percentage (BP) factor for the Company for the service between the two involved offices will be listed in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.7 Application of Rates

The regulations set forth in this section govern the application of rates for services contained in other sections of this tariff.

3.7.1 Charges Based on Duration of Use

Customer traffic to end offices will be measured by the Company at end office switches. Originating and terminating calls will be measured by the Company to determine the basis for computing chargeable access minutes, as set forth in Section 6.6.3 following.

3.7.2 Rates Based Upon Distance

Where the charges for service are specified based upon distance, the following rules apply:

- (A) Distance between two points is measured as airline distance between the wire centers of the originating and terminating telephone lines. The wire center is set of geographic coordinates as referenced in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC NO. 4. Associated with each wire center are NPA NXX combinations where NPA is the area code and NXX is the first three digits of a seven digit telephone number.
- (B) The airline distance between any two wire centers is determined as follows:
 - (1) Obtain the "V" and "H" coordinates for each wire center from the above referenced NECA tariff.
 - (2) Compute the difference between the "V" coordinates of the two wire centers; and the difference between the two "H" coordinates.
 - (3) Square each difference obtained in step (2) above.
 - (4) Add the square of the "V" difference and the square of the "H" difference obtained in step (3).
 - (5) Divide the sum of the squares by 10. Round to the next higher whole number if any fraction is obtained.
 - (6) Obtain the square root of the whole number result obtained above. Round to the next higher whole number if any fraction is obtained. This is the airline mileage.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.8 Allowances for Interruptions in Service

Interruptions in service, which are not due to the negligence of, or noncompliance with the provisions of this tariff by, the Customer or the operation or malfunction of the facilities, power or equipment provided by the Customer, will be credited to the Customer as set forth in 3.8.1 for the part of the service that the interruption affects.

3.8.1 Credit for Interruptions

- (A) A credit allowance will be made when an interruption occurs because of a failure of any component furnished by the Company under this tariff. An interruption period begins when the Customer reports a service, facility or circuit to be interrupted and releases it for testing and repair. An interruption period ends when the service, facility or circuit is operative. If the Customer reports a service, facility or circuit to be inoperative but declines to release it for testing and repair, it is considered to be impaired, but not interrupted.
- (B) For calculating credit allowances, every month is considered to have 30 days. A credit allowance is applied on a pro rata basis against the rates specified hereunder and is dependent upon the length of the interruption. Only those facilities on the interrupted portion of the circuit will receive a credit.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.8 Allowances for Interruptions in Service (Cont'd)

3.8.1 Credit for Interruptions (Cont'd)

(B) (Cont'd)

A credit allowance will be given for interruptions of 30 minutes or more. Credit allowances shall be calculated as follows:

Interruptions of 24 Hours or Less

<i>Length of Interruption</i>	<u>Interruption Period To Be Credited</u>
Less than 30 minutes	None
30 minutes up to but not including 3 hours	1/10 Day
3 hours up to but not including 6 hours	1/5 Day
6 hours up to but not including 9 hours	2/5 Day
9 hours up to but not including 12 hours	3/5 Day
12 hours up to but not including 15 hours	4/5 Day
15 hours up to but not including 24 hours	One Day

Two or more interruptions of 15 minutes or more during any one 24 hour period shall be considered as one interruption.

Interruptions Over 24 Hours and Less Than 72 Hours.

Interruptions over 24 hours and less than 72 hours will be credited 1/5 day for each 3 hour period or fraction thereof. No more than one full day's credit will be allowed for any period of 24 hours.

Interruptions Over 72 Hours.

Interruptions over 72 hours will be credited 2 days for each full 24 hour period. No more than 30 days credit will be allowed for any one month period.

ACCESS SERVICES

3. REGULATIONS (Cont'd)

3.8 Allowances for Interruptions in Service (Cont'd)

3.8.2 Limitations on Allowances

No credit allowance will be made for:

- (A) interruptions due to the negligence of, or noncompliance with the provisions of this tariff by, the Customer, authorized user, joint user, or other common carrier providing service connected to the service of the Company;
- (B) interruptions due to the negligence of any person other than the Company, including but not limited to the Customer or other common carriers connected to the Company's facilities;
- (C) interruptions due to the failure or malfunction of non-Company equipment;
- (D) interruptions of service during any period in which the Company is not given full and free access to its facilities and equipment for the purpose of investigating and correcting interruptions;
- (E) interruptions of service during a period in which the Customer continues to use the service on an impaired basis;
- (F) interruptions of service during any period when the Customer has released service to the Company for maintenance purposes or for implementation of a Customer order for a change in service arrangements; and
- (G) interruption of service due to circumstances or causes beyond the control of Company.

ACCESS SERVICES

4. CARRIER COMMON LINE

The Company will provide Carrier Common Line Access Service (Carrier Common Line Access) to Customers in conjunction with Switched Access Service provided in Section 6. of this tariff or the appropriate Switched Access Service section of other Access Service tariffs.

Carrier Common Line Access provides for the use of Company provided end users' common lines by Customers for access to such end users to furnish Interstate Communications.

There is no charge for Carrier Common Line Access Service.

ACCESS SERVICES

5. ACCESS SERVICE ORDER

5.1 General

An Access Service Order is used by the Company to provide a Customer Access Service. A Customer may order any number of services of the same type and between the same premises on a single Access Order. All details for services for a particular order must be identical except for those for multipoint service.

When placing an order for Access Service, the Customer shall provide to the Company the order information required in Section 5.2 in addition to the following:

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

5.2 Ordering Requirements

When ordering Switched Access service, the Customer must specify whether the service is to be provided as:

- (1) Direct Trunked Transport to the end office,
- (2) Direct Trunked Transport to a tandem which connects with Common Transport from the tandem to the end office or
- (3) Common Transport to the end office.

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 (i.e., High Capacity DS1).

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.

- (A) For Feature Group B Switched Access Service, the Customer shall specify the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Switched Transport and Local Switching options desired. When ordering FGB trunks to an access tandem, the Customer must also provide the Company an estimate of the amount of traffic to be generated to and/or from each end office subtending the access tandem to assist the Company in the effort to project further facility requirements.

In addition, the Customer shall also specify for terminating only access, whether the trunks are to be arranged in trunk group arrangements or provided as single trunks.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.2 Ordering Requirements (Cont'd)

- (B) For Feature Group D Switched Access Service, the Customer shall specify the number of busy hour minutes of capacity (BHMC) from the Customer's premises to the end office by traffic type. This information is used to determine the number of transmission paths. The Customer shall also specify the Switched Transport and Local Switching options. Customers may, at their option, order FGD by specifying the number of trunks and the end office when direct routing to the end office is desired or the access tandem switch when routing is desired via an access tandem switch and the Switched Transport and Local Switching options desired. When ordering by trunk quantities rather than BHMC quantities to an access tandem, the Customer must also provide the Company 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.

In addition, for Feature Group D with the SS7 signaling option, the Customer shall specify the switching point codes and trunk circuit identification codes for trunks with the SS7 signaling option, and the STP point codes, signaling link codes and link type for each Signaling Transfer Point (STP) connection ordered.

When a Customer orders FGD in trunks, the Customer is responsible to assure that sufficient access facilities have been ordered to handle its traffic.

- (C) For Toll Free 800 Series Data Base Access Service, the Customer shall order the service in accordance with the preceding provisions set forth for Feature Group D. If the Customer desires any of the optional features available with Toll Free 800 Series Data Base Service, the Customer shall so specify on the order for service.
- (D) When a Customer orders collocation in an end office and/or access tandem with Company provided Switched Access Service(s), the Customer must specify the collocated fiber optic facilities or microwave interconnection location involved. The Customer must also specify the particular end office or access tandem location involved, which must be the end office in which the Switched Access Service(s) originate or terminate, or an Access Tandem in which such service(s) are switched.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.3 Access Order Service Date Intervals

Access Service is provided with one of the following Service Date Intervals:

- Standard Interval
- Negotiated Interval
- Advance Order Interval

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

(A) Standard Interval

A schedule of Standard Intervals applicable for Switched Access Services and is as follows:

<u>Feature Groups B and D</u>	<u>Standard Interval</u>
1 to 4 Trunks	28 Days
5 to 8 Trunks	30 Days

If a Customer requests that installation be done outside of normal 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 9 following.

A Service Date Change Charge as set forth in Section 9 following will apply for the change in service date on a pending Standard Interval Access Order.

(B) Negotiated Interval

The Company will negotiate a service date interval with the Customer when:

- (1) There is no Standard Interval for the service, or;
- (2) The quantity of Access Services orders exceeds the quantities specified in the Standard Intervals, or;
- (3) The Customer requests a service date beyond the applicable Standard Interval service date except as set forth in (C) following.

The Company will offer a service date based on the type and quantity of Access Services the Customer has requested. The Negotiated Interval may not exceed by more than six months the Standard Interval service date, or, when there is no Standard Interval, the Company offered service date. All services for which rates are applied on an individual case basis are provided with a Negotiated Interval.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.3 Access Order Service Date Intervals (Cont'd)

(C) Advance Order Interval

When placing an Access Order, a Customer may request an Advance Order Interval for a service date of 12 to 24 months from the Application Date for the following services:

- A minimum of 24 voice grade equivalent Switched Access Service lines or trunks or 720 BHMCs

Orders for less than the minimum quantities will be accommodated under Standard or Negotiated Interval provisions.

Advance Order Interval Access Orders are subject to all ordering conditions of Standard and Negotiated Interval Access Orders except for the following:

(1) Advance Payment

A nonrefundable Advance Payment will be calculated as follows:

Advance Payment (Nonrefundable) the minimum (Nonrefundable) monthly charge for the minimum period plus the applicable Nonrecurring Charges for the services ordered.

This Advance Payment is due 10 working days from the date the Company confirms acceptance of the order, or on the Application Date, whichever date is the later date. If the Advance Payment is not received by such payment date, the order will be cancelled.

When the Access Services are connected on the service date, the Advance Payment will be applied, as a credit, to the Customer's billed service charges. When there has been a decrease in the number of services originally ordered, as set forth in (2) following, only the portion of the Advance Payment for services actually installed will be credited.

(2) Cancellation or Partial Cancellation of an Advance Order Interval Access Order

When the Customer cancels an Access Order, the order will be withdrawn. The Advance Payment will not be credited or refunded.

Any decrease in the number of ordered Access Services will be treated as a partial cancellation, and the portion of the Advance Payment for the services cancelled will not be credited or refunded.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.4 Access Order Modifications

The Customer may request a modification of its Access Order at any time prior to notification by the Company that service is available for the Customer's use or prior to the service date, whichever is later.

Any increase in the number of Switched Access Service lines, trunks or busy hour minutes of capacity or STP Access signaling connections will be treated as a new Access Order (for the increased amount only).

(A) Service Date Change Charge

Access Order service dates for the installation of new services or rearrangements of existing services may be changed, but the new service date may not exceed the original service date by more than 30 calendar days. When, for any reason, the Customer indicates that service cannot be accepted for a period not to exceed 30 calendar days, and the Company accordingly delays the start of service, a Service Date Change Charge will apply. If the Customer requested service date is more than 30 calendar days after the original service date, the order will be cancelled by the Company and reissued with the appropriate cancellation charges applied.

A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The applicable charge is as set forth in Section 9 following.

(B) Partial Cancellation Charge

Any decrease in the number of ordered Switched Access Service lines, trunks or busy hour minutes of capacity ordered with a Standard or Negotiated Interval Access Order will be treated as a partial cancellation and the charges as set forth in Section 5.5(B)(1) following will apply. Partial cancellation charges do not apply to Advance Order Interval Access Orders.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.4 Access Order Modifications (Cont'd)

(C) Design Change Charge

The Customer may request a design change to the service ordered. A design change is any change to an Access Order which requires engineering review. Design changes do not include a change of Customer premises, end user premises, end office switch, Feature Group type except for changes to Feature Group D. Changes of this nature will require the issuance of a new order and the cancellation of the original order with appropriate cancellation charges applied.

The Design Change Charge will apply on a per order per occurrence basis, for each order requiring a design change. The applicable charge is set forth in Section 9 following in addition to Additional Engineering as set forth in Section 9 following. If a change of service date is required, the Service Date Change Charge will also apply.

(D) Expedited Order Charge

When placing an Access Order for services(s) for which Standard Intervals exist, a Customer may request a service date that is prior to the Standard Interval service date. A Customer may also request an earlier service date on a pending Standard, Negotiated or Advance Order Interval Access Order. If the Company agrees to provide service on an expedited basis, an Expedited Order Charge will apply, as set forth in Section 9 following.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.5 Cancellation of an Access Order

- (A) A Customer may cancel an Access Order for the installation of service at any time prior to notification by the Company that service is available for the Customer's use or prior to the service date, whichever is later. The cancellation date is the date the Company receives written or verbal notice from the Customer that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days. If a Customer or an 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:

The Access Order shall be cancelled and charges set forth in (B) following will apply, or

Billing for the service will commence.

If no cancellation request is received within the specified 30 calendar days, billing for the service will commence. In any event, the cancellation date or the date billing is to commence, as applicable, shall be the 31st day beyond the original service date of the Access Order.

- (B) When a Customer cancels a Standard or Negotiated Interval Access Order for the installation of service, a Cancellation Charge will apply as follows:
- (1) When the Customer cancels an Access Order, a charge equal to the estimated provisioning costs incurred at a particular date for the service ordered by the Company shall apply.
 - (2) If the Company misses a service date for a Standard or Negotiated Interval Access Order by more than 30 days, due to circumstances such as acts of God, governmental requirements, work stoppages and civil commotions, the Customer may cancel the Access Order without incurring cancellation charges.

ACCESS SERVICES

5. ACCESS SERVICE ORDER (Cont'd)

5.6 Minimum Period

- (A) The minimum period for which Access Service is provided and for which charges are applicable, is one month.
- (B) The following changes will be treated as a discontinuance of the existing service and an installation of a new service. All associated nonrecurring charges will apply for the new service.

The changes listed below are those which will be treated as a discontinuance and installation of service and for which a new minimum period will be established.

- (1) A move to a different building.
 - (2) A change in type of service.
 - (3) A change in Switched Access Service Interface Group.
 - (4) Change in Switched Access Service traffic type.
 - (5) A change in STP Link.
 - (6) A change in STP Port.
 - (7) Change in Company provided Switched Access Service to a Collocated Interconnection arrangement or vice versa.
 - (8) Change to an existing Feature Group D Service to include the provision of 64 kbps Clear Channel Capability.
- (C) When Access Service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the minimum period.

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

For Switched Access Service, the charge for a month or fraction thereof is equal to the applicable minimum monthly charge for the capacity.

All applicable nonrecurring charges for the service will be billed in addition to the Minimum Period Charge.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two point communications path between a Customer designated premises and an end user's premises. It provides for the use of common terminating, switching, and trunking facilities and for the use of common subscriber plant of the 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 in the LATA where it is provided.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the Customer. Rates and charges for Switched Access Service are set forth in Section 9 following. The application of rates for Switched Access Service is described in 6.6 following.

6.1.1 Description and Provision of Switched Access Service Arrangements

(A) Description

Switched Access Service is provided in two different Feature Group arrangements which are service categories of standard and optional features. These are differentiated by their technical characteristics. They are also differentiated by optional feature availability and the manner in which the end user accesses them in originating calling.

The provision of each Feature Group requires Switched Transport facilities, including an Entrance Facility where required, and the appropriate End Office functions.

Following is a brief description of each type of service arrangement.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

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

(A) Description (Cont'd)

(1) Feature Group B (FGB)

FGB Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated uniform 950 XXXX access code for the Customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer provided interstate communications capability. The Customer, upon request by the Company, must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communication is transported to another state. A more detailed description of FGB Access is provided in 6.4.1 following.

(2) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Company end office switches with an associated uniform 10XXX or 101XXXX access code for the Customer's use in originating and terminating communications. End users may also originate and terminate calls to a selected FGD Access customer without dialing the 10XXX or 101XXXX access code by using the Company's presubscription service. A more detailed description of FGD Access is provided in 6.4.2 following.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

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

(B) Manner of Provision

Switched Access is furnished in quantities of trunks or in busy hour minutes of capacity (BHMCs). FGB Access is furnished on a per trunk basis. FGD Access is furnished on a BHMC and on a per trunk basis as set forth in 5.2 preceding.

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

There are three major BHMC categories identified as: Originating, Terminating and Directory Assistance. Originating BHMCs represent access capacity within a LATA for carrying traffic from the end user to the Customer; Terminating BHMCs represent access capacity within a LATA for carrying traffic from the Customer to the end user; and, Directory Assistance BHMCs represent access capacity within a LATA for carrying Directory Assistance traffic from the Customer to a Directory Assistance location. When ordering capacity for FGD Access in BHMCs, the Customer must at a minimum specify such access capacity in terms of Originating BHMCs and/or Terminating BHMCs.

Because some Customers will wish to further segregate their originating traffic into separate trunk groups, or because segregation may be required by network considerations, originating BHMCs are further categorized into Domestic, 700, 800, 900, Operator, IDDD and Operator Transfer Services.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories

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

- Switched Transport (described in 6.1.2(A) following)
- End Office (described in 6.1.2(B) following)
- Chargeable Optional Features (described in 6.1.2(C) following)
- Common Line (described in Section 4. preceding)

(A) Switched Transport

The Switched Transport rate category provides for transmission facilities between the Customer's premises or collocated interconnection location and the Company's end office switch(es) where the Customer's traffic is switched to originate or terminate its communications.

Switched 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 and in the terminating direction, but not simultaneously.

Switched Transport rates are set forth in Section 9 following. The application of these rates with respect to individual Feature Groups is as set forth in 6.6 following.

The Switched Transport Rate Category includes four classifications of rate elements:

- Entrance Facility
- Direct Trunked Transport
- Tandem Switched Transport
- Host-Remote Transport

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Entrance Facility

The Entrance Facility rate element provides for the use of 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. Entrance Facility is available as Voice Grade and High Capacity service.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in Section 9 following will apply even if the customer designated premises and the serving wire center are collocated in a Company building.

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements provides for the use of a 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.

Direct Trunked Transport is available in High Capacity DS1 and DS3 circuits only.

Direct Trunked Transport rates are set forth in Section 9 following.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(3) Tandem Switched Transport

The Tandem Switched Transport rate elements provides for the use of a communications path between a serving wire center and an end office or between a tandem and an end office on circuits that are switched at a tandem.

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

- a) The Tandem Switched Transport Facility rate, if applicable, is contained in Section 9 following.
- (b) The Tandem Switched Transport Termination rate, if applicable, is contained in Section 9 following.
- (c) The Tandem Switching rate provides for tandem switching facilities. If applicable, it is contained in Section 9 following.

(4) Host/Remote Transport

Host/Remote Transmission is composed of a fixed MOU rate and per mile/per MOU rate. The fixed rate provides for the circuit equipment at the end of the interoffice transmission. The per mile rate provides the transmission facilities between the end points of the interoffice circuit between the host and the remote. For purposes of determining the per mile rate, mileage will be measured as airline mileage using the V&H coordinates method. Mileage measurement rules are set forth in 6.6.3 following.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(5) Interface Groups

Three Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Technical specifications concerning the available interface groups are set forth in (a) through (c) following.

- (a) Interface Group 1 provides two wire voice frequency transmission at the point of termination at the Customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.
- (b) Interface Group 2 provides four wire voice frequency transmission at the point of termination at the Customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.
- (c) Interface Group 6 provides DS1 level digital transmission at the point of termination at the Customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths.

(6) Optional Features

Where transmission facilities permit, the individual transmission paths between the Customer's designated premises and the first point of switching may, at the option of the Customer, be provided with the following optional features as set forth and described in 6.5 following.

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Switched Transport Termination
- Signaling System 7 (SS7) Signaling
- Multiplexing
- Data Base Access Service

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) 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 consists of the Local Switching rate element.

(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 Company Intercept Operators or recordings. The Local Switching rate element includes three rates plus optional features.

The Local Switching rate provides local dial switching functions for all feature groups.

The Shared End Office Trunk Port minutes-of-use rate provides for the use of the shared end office trunk ports for termination of common transport trunk, and/or FGA access minutes at an end office.

The Local Switching Dedicated End Office Trunk Port monthly rate provides for termination of a dedicated trunk in the end office port. The rate is assessed per activated trunk for all trunkside services, per analog or digital end office.

Where end offices are appropriately equipped, international dialing may be provided with Feature Groups D service. 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.

The Local Switching rates are shown in Section 9 following.

There are four types of functions included in the Local Switching rate element:

- Common Switching
- Transport Termination
- Line Termination
- Intercept

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(a) Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group) switching arrangements.

Included as part of Common Switching are various nonchargeable optional features which the Customer can order to meet the Customer's specific communications requirements. These optional features are described in 6.5.1 following.

(b) Transport Termination

Transport Termination functions provide for the line or trunk side arrangements which terminate the Switched Transport facilities. Included as part of these functions are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.5.2 following.

(c) Line Termination

Line Termination provides for the terminations of end user lines in the local end office.

(d) Intercept

The Intercept function provides for the termination of a call at a Company Intercept operator or recording. The operator or recording tells a caller why a call, as dialed, could not be completed, and if possible, provides the correct number.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Chargeable Optional Features

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

(1) Signaling Transfer Point (STP) Access

Signaling Transfer Point (STP) Access provides interconnection to the Common Channel Signaling (CCS) network using an STP link and an STP port. The STP link, as described in Section 6.5.3(E) following, provides the connection from the Customer designated premises to the Company STP.

The STP Access rate category consists of an STP Link rate, an STP Termination rate and an STP Port Termination rate.

- The STP Link rate element provides for the use of transmission facilities between the Customer's designated Signaling Point Of Interface (SPOI) and the Company's STP.
- The STP Termination rate provides for the use of circuit equipment necessary for the termination of the STP Link.

The STP Port Termination rate element provides for the use of the Signaling Transfer Point.

Applicable rates for STP Access service are as set for in Section 9 following.

(2) Data Base Access Service

Data Base Access Service is provided to Customers in conjunction with originating FGD switched access service. When a 1+8XX+NXX XXXX call is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query a data base to identify the Customer to whom the call will be delivered, time of day routing, day of week routing, specific date routing, geographic routing, and emergency routing. The Customer has the option of having the dialed number (i.e., 8XX NXX XXXX) or, if the Vertical Feature service is specified, a translated 10 digit POTS number (i.e., NPA NXX XXXX) delivered to the Customer. Rates for the 8XX Basic Query Charge, Vertical Feature Package, and 500 Access Query Charge are as set forth in Section 9 following.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Chargeable Optional Features (Cont'd)

(3) 900 Access Service Nonrecurring Charge

The 1+900 Access Service nonrecurring charge is assessed to the customer based on NXX codes activated, or deactivated, in conjunction with 900 Access Service. The charge varies depending on how the customer orders NXXs activated or deactivated, i.e., by State or LATA. When ordered on a LATA basis, for both NXXs activated and deactivated, each NXX in the LATA is subject to the charge. If subsequent orders activate or deactivate NXX codes previously ordered in a different LATA, the nonrecurring charge still applies to the NXX codes activated or deactivated on the subsequent order.

The 0+900 Access Service nonrecurring charge is assessed to the customer based on end offices activated in conjunction with 900 Access Service.

(4) Operator Transfer Service Charge

The Operator Transfer Service charge is assessed the customer based on the number of 0 minus calls transferred to the customer by the Telephone Company operator, i.e., the customer's end user dials only the 0 digit with no additional digits. Rates and charges are set forth in Section 6.9.8 following.

The Operator Transfer Service charge recovers the costs associated with operator functions required to transfer end users to the customer of choice for operator services.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Chargeable Optional Features (Cont'd)

(5) 950 on FGD Optional Feature

Feature Group D (FGD) Access Service may be ordered to route calls from a designated 950-XXXX access code to FGD access service. When a customer has FGD access service and does not have Feature Group B access service from a particular end office, 950 on FGD may be ordered to activate a customer's designated 950-XXXX access code in that end office. This will allow the Company to direct those designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service.

When a customer has both FGB and FGD access service and orders 950 on FGD in a particular end office, the Telephone Company will direct those designated 950-XXXX calls dialed by the customer's end users to the customer's FGD access service at that end office.

In both methods, 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.

950 on FGD will be provided from Telephone Company end offices and tandems, where technically feasible. 950 on FGD is only available to customers utilizing a four digit CIC. The customer must specify the end office where 950 on FGD is to be activated to allow calls from a designated 950-XXXX access code to be routed over FGD access service. The customer is precluded from having originating 950 on FGD and originating FGB in the same end office utilizing the same 950-XXXX CIC.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(C) Chargeable Optional Features (Cont'd)

(6) Flexible Automatic Number Identification Optional Feature

Flexible ANI is a network enhancement to the Local Switching Optional Feature offering of Automatic Number Identification (ANI). The enhancement is a software based activation that will provide new and future information indicator (ii) digits activated through switched software program updates.

Customers subscribing to the Flexible ANI Optional Feature will receive all currently available Automatic Number Identification digits within the Telephone Company Central Office. As the technology becomes available, central offices will be upgraded to provide additional digits for all users.

A nonrecurring charge will apply as set forth in section 9 following, except when this option is used to identify calls originating from payphone access service lines for per-call compensation.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Undertaking of the Company

In addition to the obligations of the Company set forth in Section 3. preceding, the Company has certain other obligations concerning the provision of Switched Access Service. These obligations are as follows:

6.2.1 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 which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a Customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of 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 3.8.1 preceding.

6.2.2 Provision of Service Performance Data

Subject to availability, end to end service performance data available to the Company through its own service evaluation routines, may also be made available to the Customer based on previously arranged intervals and format. These data provide information on overall end to end call completion and non-completion performance, e.g., Customer equipment blockage, failure results and transmission performance. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. If data are to be provided in other than paper format, the charges for such exchange will be determined on an individual case basis.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Undertaking of the Company (Cont'd)

6.2.3 Determination of Number of Transmission Paths

For Feature Group B, which is ordered on a per line or per trunk basis respectively, and Feature Group D when ordered on a per trunk basis the Customer specifies the type of transport facilities and the number of channels in the order for service.

For Common Transport, the Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group D busy hour minutes of capacity ordered. The number of transmission paths will be developed using the total busy hour minutes of capacity by type (as described in 6.1.1(B) preceding) for the end offices for each Feature Group ordered from a Customer's designated premises. The total busy hour minutes of capacity by type (e.g., originating, terminating, IDDD, Operator) for the end office will be converted to transmission paths using standard Company traffic engineering methods. The number of transmission paths provided shall be the number required based on (1) the use of access tandem switches and end office switches, (2) the use of the end office switches only, or (3) the use of the tandem switches only.

6.2.4 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.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Undertaking of the Company (Cont'd)

6.2.5 Design Blocking Probability

The Company will design the facilities used in the provision of Switched Access Service FGD to meet the blocking probability criteria as set forth in (A) and (B) following.

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the Customer's designated premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.
- (B) The Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the Customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.
- (1) For transmission paths carrying only first routed traffic direct between an end office and Customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20 Measurement	11-14 Measurement	7-10 Measurement	3-6 Measurement
2	7%	8.0%	9%	14.0%
3	5%	6.0%	7%	9.0%
4	5%	6.0%	7%	8.0%
5-6	4%	5.0%	6%	7.0%
7 or more	3%	3.5%	4%	6.0%

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.2 Undertaking of the Company (Cont'd)

6.2.5 Design Blocking Probability (Cont'd)

(B) (Cont'd)

- (2) For transmission paths carrying first routed traffic between an end office and Customer's premises via an access tandem, the measured blocking thresholds are as follows:

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Taken Between 8:00 a.m. and 11:00 p.m. Per Trunk Group			
	15-20 Measurement	11-14 Measurement	7-10 Measurement	3-6 Measurement
2	4.5%	5.5%	6.0%	9.5%
3	3.5%	4.0%	4.5%	6.0%
4	3.5%	4.0%	4.5%	5.5%
5-6	2.5%	3.5%	4.0%	4.5%
7 or more	2.0%	2.5%	3.0%	4.0%

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.3 Obligations of the Customer

In addition to the obligations of the Customer set forth in Section 3. preceding, the Customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.3.1 Report Requirements

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

(A) Jurisdictional Reports

When a Customer orders Switched Access Service for both interstate and intrastate use, the Customer is responsible for providing reports as set forth in 3.3.3 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 3.3.3 preceding.

6.3.2 Trunk Group Measurement Reports

With the agreement of the Customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Company. These data will be used to monitor trunk group utilization and service performance and will be based on previously arranged intervals and format.

6.3.3 Supervisory Signaling

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

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.3 Obligations of the Customer (Cont'd)

6.3.4 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 gaping 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.

6.3.5 Design Of Switched Access Services

When a Customer orders Switched Access Service on a per line or per trunk basis, it is the Customer's responsibility to assure that sufficient access services have been ordered to handle its traffic.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.4 Provision and Description of Switched Access Service Feature Groups

Switched Access Service is provided in various arrangements including two different Feature Group arrangements. The provision of each Feature Group requires Switched Transport services and the appropriate Local Switching Functions. In addition, Switched Transport and Local Switching optional features are available as options with the various Feature Groups.

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

6.4.1 Feature Group B (FGB)

(A) Description

- (1) FGB Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated uniform 950 XXXX access code. FGB trunk side access is provided for the Customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a Customer provided interstate communications capability. The Customer must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communications is transported to another state.
- (2) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic and electromechanical end office switches.
- (3) FGB 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 pulsing signals and answer and disconnect supervisory signaling.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(A) Description (Cont'd)

- (4) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.5, any other address signaling in the originating direction, if required by the Customer, must be provided by the Customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.
- (5) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950 XXXX. A uniform access code(s) will be assigned to the Customer for the Customer's domestic communications and another will be assigned to the Customer for its international communications, if required. These access codes will be the assigned access numbers of all FGB switched access service provided to the Customer by the Company.
- (6) The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGB switching is ordered. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Company.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(A) Description (Cont'd)

- (7) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider and other Customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

The Customer will also be billed additional non access charges for calls to certain community information services for which rates are applicable under Company exchange service tariffs, e.g., 976 (DIAL IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGB trunk to another Customer's service in accordance with that Customer's applicable service rates when the Company performs the billing function for that Customer.

Calls in the terminating direction will not be completed to the 950 XXXX access code, local operator assistance (0 and 0+), Directory Assistance (411 and 555 1212), service codes 611 and 911 or 10XXX access codes. Calls will be completed to Directory Assistance (NPA 555 1212 or 555 1212) when FGB switching is combined with Directory Assistance (DA) switching. The combination of FGB Switched Access Service with DA service is provided as set forth in Section 9. following. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B and D.

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

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(B) Optional Features

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group B. They are set forth in (1), (2) and (3) following and are provided as Common Switching, Transport Termination and Local Transport options. Additionally, other optional features provided in local tariffs are set forth in (4) following.

(1) Common Switching Options

- (a) Automatic Number Identification
- (b) Alternate Traffic Routing
- (c) Up to 7 Digit Outpulsing of access Digits to Customers

(2) Transport Terminations Options

- (a) Rotary Dial Station Signaling

(3) Local Transport Options

- (a) Customer Specification of Local Transport Termination
- (b) Supervisory Signaling
- (c) Customer Specified Entry Switch Receive Level

(4) Optional Features Provided In Local Tariffs

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

- Bill Number Screening

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

6.4.2 Feature Group D (FGD)

(A) Description

- (1) FGD Access, which is available to all Customers, provides trunk side access to Company end office switches.
- (2) FGD is provided at Company designated end office switches whether routed directly or via Company designated electronic access tandem switches.
- (3) 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 pulsing signals and answer and disconnect supervisory signaling.
- (4) FGD switching is provided with multifrequency address signaling or out of band SS7 signaling. With multifrequency address signaling and SS7 signaling, up to 12 digits of the called party number dialed by the Customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Company equipment to the Customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

The SS7 Signaling option requires the Customer to purchase Signaling Transfer Point Access described in 6.1.2(C)(1).

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(A) Description (Cont'd)

- (5) FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Company, community information services of an information service provider, and other Customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The Customer will also be billed additional non access charges for calls to certain community information services, for which rates are applicable under Company exchange service tariffs, e.g., 976 (DIAL IT) Network Service.

Additionally, non-access charges will also be billed for calls from a FGD trunk to another Customer's service in accordance with that Customer's applicable service rates when the Company performs the billing function for that Customer. Calls in the terminating direction will not be completed to 950 XXXX access codes, local operator assistance (0 and 0+), Directory Assistance (411 and 555 1212), service codes 611 and 911 and 10XXX access codes. Calls will be completed to Directory Assistance (NPA 555 1212 or 555 1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in Section 9 following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B.

- (6) 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 trunk group at the option of the Company.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(A) Description (Cont'd)

- (7) The access code for FGD switching is a uniform access code of the form 101XXXX. A uniform access code(s) will be the assigned number 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 exchange service is arranged for presubscription to that Customer, as set forth in 7.4 following.

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 or 1 + NXX XXXX, NPA + NXX XXXX, 0 or 1 + NPA + NXX XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

When the 101XXXX access code is used, FGD switching also provides for dialing the digit 0 for access to the Customer's operator, 911 for access to the Company's emergency reporting service, or the end of dialing digit (#) for cut through access to the Customer designated premises.

- (8) FGD switching will be arranged to accept calls or 101XXXX from exchange service locations without the need for dialing the 101XXXX uniform access code. Each exchange service line may be marked with a code to identify which 101XXXX code its calls will be directed to for interLATA service.
- (9) When a Customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the Customer and the Company, the Company will direct calls dialed by the Customer's end users using the Customer's previous FGB access code to the Customer's FGD access service. The Customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the FGB access code which requires the Customer to receive additional address signaling from the end user. Such calls will be rated as FGD. The Company may, with 90 days' written notice to the Customer, discontinue this arrangement.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

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

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

(B) Optional Features

Following are the various optional features that are available in lieu of, or in addition to, the standard features provided with Feature Group D. Optional Features are provided as Common Switching, Transport Termination and Local Transport options as set forth in (1) through (3) following.

(1) Common Switching Options

- (a) Alternate Traffic Routing
- (b) Automatic Number Identification ANI
- (c) Flexible Automatic Number Identification
- (d) International Carrier Option
- (e) Service Class Routing

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Options

- (a) Supervisory Signaling
- (b) Signaling System 7 (SS7) Signaling
- (c) 64 Clear Channel Capability
- (d) Toll Free 8XX Series Data Base Access

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features

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

6.5.1 Common Switching Optional Features

(A) Automatic Number Identification (ANI)

- (1) 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. The ANI feature is an end office software function which is associated on a call by call basis with:
 - (a) all individual transmission paths in a trunk group routed directly between an end office and a Customer designated premises or, where technically feasible, with
 - (b) all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a Customer designated premises.
- (2) The seven digit ANI number is generally available with Feature Group B. Technical limitations may exist in Company switching facilities which require ANI to be provided only on a directly trunked basis. ANI will be transmitted on all calls except those originating from multiparty lines, coin stations and coinless pay telephones using Feature Group B, or when an ANI failure has occurred. Seven digit ANI is not available with SS7 Signaling.
- (3) The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Number Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). Ten digit ANI is provided with multifrequency address signaling or SS7 signaling.
- (4) Where complete ANI detail cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the Customer. These ANI information digits are generally available with Feature Groups B and D.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.1 Common Switching Optional Features (Cont'd)

(B) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950 XXXX) to the Customer designated premises.

The Customer can request that only some of the digits in the access code be forwarded. The access code digits would be provided to the Customer designated premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. This feature is available with Feature Group B.

(C) 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., 900). It is provided in suitably equipped end office or access tandem switches. It is available with Feature Group D.

(D) Alternate Traffic Routing

When the Customer orders both Direct Trunked Transport and Common 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. It is available with Feature Groups B and D.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.1 Common Switching Optional Features (Cont'd)

(E) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the Customer (i.e., the Company is able to route originating international calls to a Customer other than the one designated by the end user either through presubscription or 101XXXX 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 and is available only with Feature Group D.

(F) Flexible Automatic Number Identification

This feature provides enhanced Automatic Number Identification service by providing additional information indicator (ii) digits. Flexible Automatic Number Identification will provide additional values for these ii digits over and above the values currently available with the ANI Feature, and will be used to identify additional call types.

Customers who have the ANI feature, but do not order Flexible Automatic Number Identification, will continue to receive the standard ii digits or originating line information. Flexible Automatic Number Identification ii digits will be assigned by the North American Numbering Plan Administrator.

This service is only available with Feature Group D served by suitably equipped Company central offices and will be subject to a charge as specified in Section 9 following.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.2 Transport Termination Optional Features

(A) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the Customer designated premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only on a directly trunked basis.

(B) Operator Trunk, Full Feature Arrangement

This option provides the initial coin return control function to the Customer's operator. It is available with Feature Group D.

6.5.3 Local Transport Option Features

(A) Customer Specified Entry Switch Receive Level

Customer Specified Entry Switch Receive Level allows the Customer to specify the receive transmission level at the first point of switching. This feature is available with Interface Groups 2, 3 and 6 for Feature Group B.

(B) Customer Specification of Local Transport Termination

Customer Specification of Local Transport Termination allows the Customer to specify, for Feature Group B routed directly to an end office or access tandem, a four wire termination of the Local Transport at the first point of switching in lieu of a Telephone Company selected two wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications.

(C) Supervisory Signaling

Supervisory Signaling allows the Customer to order an optional supervisory signaling arrangement for each transmission path provided where the transmission parameters permit, and where signaling conversion is required by the Customer to meet its signaling capability.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.3 Local Transport Option Features (Cont'd)

(D) Signaling System 7 (SS7) Signaling

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. The signaling information is transmitted over facilities provided with the Signaling Transfer Point (STP) Access as specified in 6.5.3(E)(3) following. This feature is available with FGD.

(E) Signaling Transfer Point (STP) Access

Signaling Transfer Point (STP) Access is comprised of two parts; STP mileage and an STP Port. The STP mileage is provided as a dedicated 56 Kbps out-of-band signaling connection between the Customer's Signaling Point of Interface (SPOI) and the STP port on the STP.

The STP Access service is provisioned by a mated pair of STPs 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 STP Access service is provision for use with SS7 Signaling, interconnection between signalling networks must occur at an STP.

Rates and charges for STP Access are contained in Section 9.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.3 Local Transport Option Features (Cont'd)

(F) Data Base Access Service

When a 1+8XX+NX XXXX call is originated by an end user, the Company will utilize the Signalling System 7 (SS7) network to query an 800 data base to perform the Customer identification function. The call will then be routed to the identified Customer over FGD switched access.

The manner in which 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 Toll Free 800 Series Data Base Access service originates at an end office equipped with Service Switching Point (SSP) capability for querying centralized data bases, all such service will be provisioned from that end office.
- When Toll Free 800 Series Data Base Access service originates at an end office not equipped with SSP Customer identification capability, the 800 call will be delivered to the access tandem on which the end office is homed for 800 service and which is equipped with the SSP feature to query centralized data bases.
- Query charges as set forth in Section 9 following are in addition to those charges applicable for the Feature Group D switched access service.

(G) 64 Clear Channel Capability

The 64 Clear Channel Capability (64 CCC) option employs the Bipolar 8 Zero Suppression (B8ZS) technique to permit Customers to use the full 64 Kbps bandwidth of a DS0 channel. 64 CCC is available with Interface Group 6 for Feature Group D with Signaling System 7 signaling.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.5 Optional Features (Cont'd)

6.5.3 Local Transport Option Features (Cont'd)

(H) Multiplexing

Multiplexing provides the capability of converting the capacity or bandwidth of a facility from a higher level to a lower level or from a lower level to a higher level. Multiplexing arrangements are available for Entrance Facilities and Direct Trunked Transport facilities. Rates for Entrance Facility are set forth in Section 9. Rates for Direct Trunked Transport are set forth in Section 9 following.

When the customer requests Tandem Switched Transport and Direct Trunked Transport to connect to the same Entrance Facility, multiplexing may be ordered by the customer as a chargeable optional feature of the Entrance Facility.

Chargeable multiplexing arrangements may be ordered with an Entrance Facility at a SWC or a Direct Trunked Transport facility at an end office of higher capacity or bandwidth (eg., DS3 to DS1 multiplexing arrangement in associated with the facility using a DS3 connection).

The Company offers DS3 to DS1 multiplexing, an arrangement which converts a DS3 channel to twenty-eight DS1 channels utilizing time division multiplexing. The twenty-eight channels may be further multiplexed utilizing DS1 to Voice Grade multiplexer. DS3 to DS1 multiplexing is available as a chargeable optional feature for Entrance Facilities and Direct Trunked Transport facilities. DS3 to DS1 multiplexing is always required at the SWC of the customer's premises when a DS3 Entrance Facility is to connect to a lower level of capacity.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations

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

6.6.1 Description and Application of Rates and Charges

There are three types of rates and charges that apply to Switched Access Service. These are recurring rates, usage rates and nonrecurring charges. These rates and charges are applied directly to various rate elements as set forth following.

(A) Recurring Rates

Recurring rates are flat rates that apply each month or fraction thereof that a specific rate element is provided. For billing purposes, each month is considered to have 30 days.

(B) Usage Rates

Usage rates are rates that apply only when a specific rate element is used. These are applied on a per occurrence (e.g., access minute, message call or query) basis. Usage rates are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are on time charges that apply for a specific work activity (i.e., installation of new services or rearrangements of installed services).

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations (Cont'd)

6.6.2 Measuring Access Minutes

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

For terminating calls over FGB and FGD Access Service, the measured minutes are chargeable access minutes. Where assumed minutes are used, the assumed minutes are the chargeable access minutes.

FGB and 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.

(A) Feature Group B Usage Measurement

For originating calls over FGB, usage measurement begins when the originating FGB first point of switching receives answer supervision forwarded from the Customer's point of termination, indicating the Customer's equipment has answered.

The measurement of originating call usage over FGB ends when the originating FGB first point of switching receives disconnect supervision from either the originating end user's 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.

For terminating calls over FGB, usage measurement begins when the terminating FGB first point of switching receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

The measurement of terminating call usage over FGB ends when the terminating FGB 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.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations (Cont'd)

6.6.2 Measuring Access Minutes (Cont'd)

(B) Feature Group D Usage Measurement

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 Signal 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.

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.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations (Cont'd)

6.6.2 Measuring Access Minutes (Cont'd)

(B) Feature Group D Usage Measurement (Cont'd)

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.

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 Company switch receives answer supervision and send 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.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations (Cont'd)

6.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for Switched Transport is calculated on the airline distance between wire centers, generally in segments dictated by how the customer orders transport. For SS7 signaling, the mileage to be used to determine the monthly rate for the Signaling Mileage Facility is calculated on the airline distance between the serving wire center associated with the customer's designated premises (Signaling Point of Interface) and the Telephone Company wire center providing the STP port.

Where applicable, the V&H coordinates method is used to determine mileage. This method is set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

Mileage rates are as set forth in Section 9 following. To determine the rate to be billed, first compute the airline mileage using the V&H coordinates method. If the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. Then multiply the mileage by the appropriate rate.

(A) Direct Trunked Transport

Direct Trunked Transport mileage is generally measured between the offices specified by the customer when ordering. Segments of Direct Trunked Transport are defined by how the customer chooses to utilize Hub Offices. For example, the customer may order Direct Trunked Transport at the DS3 level from the serving wire center to a Hub Office, where it is multiplexed to the DS1 level, and Direct Trunked Transport at the DS1 level from the Hub Office to other offices. In this case, mileage for the DS3 Direct Trunked Transport is measured from the Serving Wire Center to the Hub Office, and mileage for the DS1 Direct Trunked Transport is measured from the Hub Office to the Tandem Office or End Office where the DS1 Direct Trunked Transport terminates. In some cases, the customer will order Direct Trunked Transport in only one segment. In this case, the mileage is measured for that segment, e.g. from the Serving Wire Center to the Tandem Office or End Office where the Direct Trunked Transport terminates. In cases where the two points for mileage measurement are the same (e.g., direct trunks to the tandem where the Serving Wire Center is the same as the Tandem Office), no charges for Direct Trunked Termination or Direct Trunked Facility will apply.

ACCESS SERVICES

6. SWITCHED ACCESS SERVICE (Cont'd)

6.6 Rate Regulations (Cont'd)

6.6.3 Mileage Measurement (Cont'd)

(B) Tandem Switched Transport and Host-Remote Transport

Tandem Switched Transport and Host-Remote Transport mileage are measured in two segments. One segment is measured from the Tandem Office to the Host Office, and the other segment is measured from the Host Office to the Remote Office. For traffic to end users served directly out of a Host Office (or stand-alone office with no remotes), no charge applies for the segment from the Host Office to the Remote Office. When traffic is routed over direct trunks to the Host Office, no charge is applied for the segment from the Tandem Office to the Host Office. In cases where the two points for mileage measurement are the same (e.g., the Host Office is located in the same Wire Center as the Tandem), no charges for Tandem Switched Facility or Tandem Switched Termination will apply for that segment.

ACCESS SERVICES

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES

7.1 General

In this section, normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

7.2 Additional Engineering

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

- A Customer requests additional technical information after the Company has already proved the technical information included on the Design Layout Report as set forth in 6.1.3 preceding.

The Company will notify the Customer that additional engineering charges, as set forth in Section 9 following, will apply before any additional engineering is undertaken.

ACCESS SERVICES

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

7.3 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 7.3.1 through 7.3.5 following. The Company will notify the Customer that additional labor charges as set forth in Section 9 following will apply before any additional labor is undertaken.

7.3.1 Overtime Installation

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

7.3.2 Overtime Repair

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

7.3.3 Stand by

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

7.3.4 Testing and Maintenance with Other Companies

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

7.3.5 Other Labor

Other labor is that additional labor not included in 7.3.1 through 7.3.4 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.

ACCESS SERVICES

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

7.4 Presubscription

7.4.1 Presubscription is an arrangement whereby an end user may select and designate to the Company an interexchange carrier (IC) to access, without an access code, for interLATA, interstate calls. This IC is referred to as the end user's Primary Interexchange Carrier (PIC). The end user may select the Company as its PIC, or may select any other IC that orders originating Feature Group D Switched Access Service at the end office that serves the end user. After the end user's initial selection of a predesignated IC, for any additional change in selection, a non-recurring charge, as set forth in Section 9, applies.

7.4.2 New end users who are served by end offices equipped with Feature Group D, will be asked to presubscribe to an IC at the time they place an order with the company for Exchange Access Service. They may select either of the following options. There will be no additional charge for this initial selection.

- Designate an IC as a PIC and dial 10XXX or 101XXXX to reach other ICs.
- Designate that they do not want to be presubscribed to any IC and choose to dial 10XXX or 101XXXX for all calls to all ICs.

Subsequent to the installation of Exchange Access Service, and after the end user's initial selection of a PIC, for any additional change in selection, a nonrecurring charge as set forth in Section 9, applies. This charge is billed to the end user which is the subscriber to the Exchange Access Service and applies only for selection of an IC which provides only interLATA, interstate calling.

7.5 Unauthorized PIC Change

If an IC requests a Primary Interexchange Carrier (PIC) change on behalf of a billed party (e.g., an end user), and the billed party subsequently denied requesting the change, and the IC is unable to substantiate the change with a letter of authorization signed by the billed party, then:

- The billed party will be reassigned to their previously selected IC. No charge will apply to the billed party for this reassignment.
- The Unauthorized Presubscription Change Charge as set forth in Section 9 will apply to the IC that requested the unauthorized PIC change. This charge is applied in addition to the PIC switchback charge set forth in Section 9 following.

ACCESS SERVICES

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

7.6 Billing Name and Address Service

Billing Name and Address (BNA) Service is the provision of the complete billing name, street address, city or town, state and zip code for a telephone number assigned by the Company. BNA Service is provided for the sole purpose of permitting the customer to bill its telephone communications service to its end users and may not be resold or used for any other purpose, including marketing activity such as market surveys or direct marketing by mail or by telephone.

The customer may not use BNA information to bill for merchandise, gift certificates, catalogs or other services or products.

BNA Service is provided on a manual basis only. Information will be provided by voice telecommunications, fax or mail, as appropriate.

BNA information is furnished for 101XXXX dialing, collect, bill to third party, 700 and 900 messages and messages charged to a calling card that is resident in the Company's data base.

7.6.1 Undertaking of the Company

- (A) A request for information on telephone numbers should be mailed or faxed to the Company. The Company will respond within ten (10) business days of receipt of a customer's request for end user BNA information, unless other arrangements are mutually agreed to between the Company and the Customer.
- (B) The Company will provide the most current BNA information resident in its data base. Due to normal end user account activity, there may be instances where the BNA information provided is not the BNA that was applicable at the time the message was originated.
- (C) The Company shall use reasonable efforts to provide accurate and complete BNA information. The Company makes no warranties, expressed or implied, as to the accuracy or completeness of this BNA information.
- (D) If the billing name and address information for a specific calling number is confidential due to legal, national security, end user or regulatory imposed requirements, the Company will provide an indicator on the confidential records.

ACCESS SERVICES

7. ADDITIONAL ENGINEERING, ADDITIONAL LABOR AND MISCELLANEOUS SERVICES (Cont'd)

7.6 Billing Name and Address Service (Cont'd)

7.6.2 Obligations of the Customer

- (A) With each order for BNA Service, the customer shall identify the authorized individual and address to receive the BNA information.
- (B) The Customer must handle all billing name and address information designated as confidential by the Company in accordance with the Company's procedures concerning confidential information. The Company will provide to the Customer a statement of its procedures concerning confidential information upon request.
- (C) The customer shall institute adequate internal procedures to insure that BNA information, including that related to "confidential" non-published and non-listed telephone numbers, is used only for the purpose set forth in this tariff and that BNA information is available only to those customer personnel or agents with a need to know the information.
- (D) The customer shall not publicize or represent to others that the Company jointly participates with the customer in the development of the customer's end user records, accounts, data bases or market data, records, files and data bases or other systems it assembles through the use of BNA service.
- (E) When the customer orders BNA Service for both interstate and intrastate messages, the Jurisdictional Reporting Requirements listed in Section 3.3.3 will be applicable.

7.6.3 Rate Regulations

- (A) This section contains the specific regulations governing the rates and charges that apply for BNA Service. Specific rates and charges are set forth in Section 9.
- (B) Service Establishment Charges apply for the initial establishment of BNA Service on a manual basis.
- (C) A charge applies for each request for BNA information for a telephone number on a manual basis. The Company will keep a count of the requests processed, and will bill the Customer in accordance with these counts whether or not the Company was able to provide BNA information for all requests.
- (D) When a customer cancels an order for BNA Service after the order date, the Service Establishment Charge applies.

ACCESS SERVICES

8. END USER ACCESS SERVICE

The Company will provide End User Access Service (End User Access) to End Users who obtain local exchange service from the Company under its general and/or local exchange tariffs.

8.1 General Description

End User Access provides for the use of an End User Common Line. End User Access Service consists of the End User Common Line (EUCL) rate element.

8.2 Limitations

Telephone number detail billing, directory listings and intercept arrangements are not included with End User Access.

8.3 Undertaking of the Company

The Company will provide End User Common Line (EUCL) at rates and charges as set forth in Section 9 as follows:

- Use of an End User Common Line (EUCL) for interstate Access Services provided under this tariff. Such use will be provided when the end user obtains local exchange service.
- The Company will be responsible for contacts and arrangements with customers for the billing of End User Common Line charges.

ACCESS SERVICES

8. END USER ACCESS SERVICE (Cont'd)

8.4 Payment Arrangements and Credit Allowances

8.4.1 End User Common Line

- (A) Minimum Period. The minimum period for which EUCL End User Access is provided to an end user and for which charges are applicable is the same as that in the general and/or local exchange tariffs for the associated local exchange service.
- (B) Cancellation of Orders. End User Access is canceled when the order for the associated local telephone exchange service is canceled. No cancellation charges apply.
- (C) Changes to Orders. When changes are made to orders for the local exchange service associated with End User Access, any necessary changes will be made for End User Access. No charges will apply.
- (D) Allowance for Interruptions. When there is an interruption to an EUCL, requested End User Access credit allowances for interruptions will be provided as set forth for credit allowance for interruptions in Section 3.8.1 preceding.
- (E) Temporary Suspension of Service. When an end user temporarily suspends its local exchange service which is associated with EUCL, one-half of the EUCL per month charge will be temporarily suspended for the time period the local exchange service is suspended.

ACCESS SERVICES

8. END USER ACCESS SERVICE (Cont'd)

8.5 Rate Regulations

8.5.1 End User Common Line

- (A) EUCL per month charges will be billed to the end user of the associated Local Exchange Service.
- (B) Business Services

Single Line Service

When an end user is provided a single local business exchange service in a state, multi-party and centrex services included, and when the local business exchange service is provided under the general or local exchange or centrex service tariffs, the EUCL Single Line Business -- Individual line or trunk rate service in Section 9 following, applies to each such business individual line or trunk. In the case of multiparty service each party is deemed to be a user of an EUCL.

Multiline Service

When an end user is provided more than one local business exchange service in a state by the Company, multiparty and centrex services included, and when the local exchange service is provided under the general and/or local exchange tariffs, the EUCL Multiline Business - Individual line or trunk rate as set forth in Section 9 following applies to each such Multiline Business individual line or trunk. In the case of Multiparty service each party is deemed to be a user of an EUCL.

When a pay telephone service provider is provided one or more pay telephone lines the EUCL Multiline Business -- Individual line or trunk rate as set forth in Section 9 applies to each pay telephone line.

Centrex Central Office Services

Centrex service provided to a college or university or school may service both the college, university or school offices and the student or faculty dormitory (residential) quarters. When provided to residential quarters, the residential portion of the service is commonly known as dormitory service. Residential charges will apply to lines to the student or faculty dormitory (residential) quarters as set forth in Section 9 following. Business charges for lines to the university, college, or school offices will apply as set forth in Section 9 following. Charges shall be based on the number of residence and business lines reported to the Company by the end user.

ACCESS SERVICES

8. END USER ACCESS SERVICE (Cont'd)

8.5 Rate Regulations (Cont'd)

8.5.1 End User Common Line (Cont'd)

(C) Residence Services

Single Line and Multiline Service

When an end user is provided local residence exchange service(s) in a state, multiparty and Centrex service is included, and when the local residence exchange or centrex service is provided under the general and/or local exchange tariffs, the EUCL Residence - Individual line or trunk rate as set forth in Section 9 following, applies to each such local residence exchange trunk.

The EUCL Residence Subscriber rate regulations are designated as either Primary or Non-Primary. The Primary rate is assessed to the residential subscriber line which is any or all of the following: (1) the only line provided at that service location; (2) the line designated as Primary by the billed party or parties at that service location at the point of ordering service; or (3) the first line installed at that location. Any additional residence exchange lines at the same service location, regardless of the named subscriber, will be assessed the Non-Primary rate. If the Primary line disconnects, the Non-Primary line with the greatest length of service will become the Primary line. Only one line per local exchange service provider at a service location can be classified as Primary, and all others are considered to be Non-Primary, whether provided by the Company under the general and/or local exchange service tariffs or provided by other telecommunications providers. A service location is defined as the Service Address identified by the Company using its billing and service records.

The Company will also use its own service records in the designation of an exchange residence line as Primary or Non-Primary. Such service records typically contain Customer Class of Service, Universal Service Order Codes (USOCs), Field Identifiers (FIDs), Service Address and other information which will assist the Company in the designation.

For each Local Exchange Service provided as remote call forwarding residential service or remote call forwarding business service under the local general services tariffs, the EUCL rates do not apply

ACCESS SERVICES

8. END USER ACCESS SERVICE (Cont'd)

8.5 Rate Regulations (Cont'd)

8.5.2 Presubscription

Presubscription is a procedure whereby an end user or an agent of a Payphone Service provider, may select and designate an IC to access, without dialing an access code, for interLATA and intraLATA calls. The end user or agent of a Payphone Service provider may designate an IC for interLATA calls, a different IC for intraLATA calls, or the same IC for both, provided the IC furnishes interLATA and intraLATA service. The predesignated IC chosen for intraLATA service will be used to carry all of the end user's intraLATA calls. This IC is referred to as the end user's or agent's designated IC.

A customer may indicate that he does not want to be presubscribed to any IC, or an IC may submit a request to remove their PIC from a customer's line when the IC's service to that customer is terminated for non-payment or other IC tariff violation. When this happens, the customer will be required to dial 101XXXX or other access code (i.e. 950-XXXX) for all calls to all ICs. This line condition, designated NO PIC, is considered a PIC for purposes of administering the rates contained in this tariff. When a customer's line is changed to NO PIC at the request of an IC, a Presubscription change charge does not apply.

An IC may have one or more access codes assigned to it for various types of service. When an end user, or an agent of a Payphone Service provider, selects an IC as its predesignated IC, only one access code of that IC may be incorporated into the switching system of the Company permitting access to that IC by the end user or Payphone Service provider without dialing an access code. Should the same end user or Payphone Service provider wish to use other services of the same IC, it will be necessary for the end user or Payphone Service provider to dial the necessary access code(s) to reach that IC's other service(s).

If an IC chooses to terminate service of a customer for nonpayment or other tariff violation, the IC must comply with the Federal Communications Commission requirement to notify its customer of the termination and explain to its customer the need to select a new Presubscribed Interexchange Carrier. The IC must also provide notice to the Company that it has discontinued service to that customer.

Upon receipt of notification, the Company will verify that the customer line is currently presubscribed to the IC. If the customer line is currently presubscribed to the IC, the Company will change the customer line PIC designation to NO PIC.

The Company is not liable for any dispute of the change in PIC selection to NO PIC resulting from an IC's notification to the Company. The IC shall furnish the Company with a copy of its customer notification upon request in order to resolve any customer PIC disputes.

ACCESS SERVICES

9. RATES

9.1 Common Line Access Service

9.1.1 End User Common Line Access

	Rate per Month
Residence	
- Primary Individual line or trunk, each	\$6.92
- Non Primary Individual line or trunk, each	\$6.92
Business, Single Line	
- Individual line or trunk, each	\$6.92
Business, Multiline	
- Individual line or trunk, each	\$6.92
BRI ISDN Subscriber, each service	\$6.92
PRI ISDN Subscriber, each service	\$34.60
T1s carrying dialtone lines, per T1	\$34.60

ACCESS SERVICES

9. RATES (Cont'd)

9.2 Switched Transport

9.2.1 Entrance Facility

	Rate
DS1, per Point of Termination	
Monthly Rate	\$190.00
Installation Charge	
-First	\$355.00
-Additional	\$220.00
Rearrangement nonrecurring	
-First	\$0.90
-Additional	\$0.60
DS3, per Point of Termination	
Monthly Rate	\$2,310.00
Nonrecurring Charge	\$1.00

9.2.2 Direct Trunked Transport

	Rate
DS1, per facility	
Fixed rate, per month	\$85.00
Rate per mile, per month	\$24.25
DS3, per facility	
Fixed rate, per month	\$950.00
Rate per mile, per month	\$185.00
Multiplexing	
DS3 to DS1, per month	\$900.00
DS3 to DS1, Nonrecurring Charge	\$1.00

ACCESS SERVICES

9. RATES (Cont'd)

9.2 Switched Transport (Cont'd)

9.2.3 Tandem Switched Transport

	Rate
Tandem Switched Transport Termination, per minute	
Originating	\$0.000000
Terminating	\$0.000000
Tandem Switched Transport Facility, per minute per mile	
Originating	\$0.000002
Terminating	\$0.000002
Host-Remote Transport, per minute	
Originating	\$0.000000
Terminating	\$0.000000
Host-Remote Transport, per minute per mile	
Originating	\$0.000000
Terminating	\$0.000000
Tandem Trunk Port, per trunk per month	\$12.50
Shared Multiplexing, per minute	
Originating	\$0.000000
Terminating	\$0.000000

ACCESS SERVICES

9. RATES (Cont'd)

9.2 Switched Transport (Cont'd)

9.2.4 Other Switched Transport Rates

	Rate
Switched access Connection Charge per line or trunk, nonrecurring charge	\$1.00
Service Order Charge per service order	\$1.00
STP access mileage per month, per mile	\$3.50
Billing Validation Service	
Query Transport, per query	\$0.000200
Query Validation, per query	\$0.040000
Service Establishment, per originating point code	\$125.00
Data Base Access Service	
Toll Free Basic Query Charge, per query	\$0.004356
Vertical Feature Package, per query	\$0.001989
500 Access Query Charge, per query	\$0.008500
Carrier Identification Parameter (CIP) per trunk, per month	\$0.46

 ACCESS SERVICES

9. RATES (Cont'd)

9.3 End Office

	Rate	
Local Switching, per minute		
Originating	\$0.002406	
Terminating	\$0.003162	(I)
Dedicated Trunk Port, per trunk per month#	\$11.25	(C)
Shared End Office Trunk Port, per minute		
Originating	\$0.001688	
Terminating	\$0.000000	(R)
Common Channel Signaling Access Service		
STP Port, per port per month	\$900.00	
Flexible Automatic Number Identification		
Nonrecurring Charge per End Office, per CIC	\$1,100.00	
950 Service on Feature Group D		
Nonrecurring Charge per End Office, per CIC	\$270.00	
Operator Transfer Service, per call transferred	\$0.06282	
0+ 900 Access Service or 1+ 900 Access Service		
Activation Nonrecurring Charge per End Office	\$400.00	

Rate will only apply to the portion associated with originating usage.

(N)