
ACCESS SERVICES TARIFF

This tariff, CTC Communications Corp. d/b/a EarthLink Business Maryland Tariff No. 8, replaces in its entirety, CTC Communications Corp. d/b/a One Communications Maryland Tariff No. 4, which is currently on file with the Commission.

Tariff Schedule Applicable to
Intrastate Access Service

Telecommunications Services Furnished by

**CTC Communications Corp.
d/b/a EarthLink Business**

1375 Peachtree Street, Level A
Atlanta GA 30309

Between Points Within the State of Maryland

ISSUED: September 12, 2011

EFFECTIVE: October 13, 2011

By: Vice President - Tax
1375 Peachtree Street, Level A
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ACCESS SERVICES TARIFF

CHECK SHEET

Pages of this tariff, as indicated below, are effective as of the date shown at the bottom of the respective pages. Original and revised pages, as named below, comprise all changes from the original tariff and are currently in effect as of the date on the bottom of this page.

Page	Revision		Page	Revision	Page	Revision
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1	13 th Rev.	*	29	Original	57	Original
2	1st Rev.		30	Original	58	Original
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5	1 st Rev.		33	Original	61	Original
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23	Original		51	Original	79	10 th Rev. *
24	Original		52	Original	80	1 st Rev.
25	Original		53	Original	81	Original
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* - indicates those pages included with this filing

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By: Senior Regulatory Counsel
 4001 Rodney Parham Road
 Little Rock, Arkansas 72212

ACCESS SERVICES TARIFF

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TARIFF FORMAT

- A. Page Numbering - Page numbers appear in the upper right hand corner of the page. Pages are numbered sequentially. From time to time new pages may be added to the tariff. When a new page is added between existing pages a decimal is added to the preceding page number. For example, a new page added between Pages 3 and 4 would be numbered 3.1.
- B. Page Revision Numbers - Revision numbers also appear in the upper right corner of each page. These numbers are used to determine the most current page version on file with the Commission. For example, the 4th revised Page 14 cancels the 3rd revised Page 14.
- C. Paragraph Numbering Sequence - There are various levels of paragraph coding. Each level of coding is subservient to its next higher level:
- 2.
 - 2.1.
 - 2.1.1.
 - 2.1.1.A.
 - 2.1.1.A.1.
 - 2.1.1.A.1.(a)
- D. Check Sheets - When a tariff filing is made with the Commission, an updated Check Sheet accompanies the tariff filing. The Check Sheet lists the pages contained in the tariff, with a cross-reference to the current revision number. When new pages are added, the Check Sheet is changed to reflect the revision. An asterisk designates all revisions made in a given filing (*). There will be no other symbols used on this page if these are the only changes made to it (i.e., the format, etc. remain the same, just revised revision levels on some pages.) The tariff user should refer to the latest Check Sheet to find out if a particular page is the most current on file with the Commission.

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ACCESS SERVICES TARIFF

SECTION 1 - GENERAL

1.1 Explanation of Symbols

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

1.2 Application of the Tariff

- 1.2.1 This tariff governs the Carrier's services that originate and terminate in Maryland. Specific services and rates are described elsewhere in this tariff.
- 1.2.2 The Company's services are available to carrier Customers.
- 1.2.3 The Company's service territory is Consistent with Verizon Maryland's tariff.

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ACCESS SERVICES TARIFF

SECTION 1 - GENERAL (CONT'D.)

1.3 Definitions

1.3.1 "Carrier," "Company" or "Utility" refers to CTC Communications Corp. d/b/a EarthLink Business.

1.3.2 "Commission" means the Maryland Public Service Commission.

1.3.2.1 "Company Facilities (3rd Party Tandem Provider)" – Switched Transport rates apply to terminating traffic that traverses a tandem switch that is not owned by the Company (the terminating carrier) or its affiliates.

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1.3.3 "Completed call" is a call which the Company's network has determined has been answered by a person, answering machine, fax machine, computer modem device, or other answering device.

1.3.4 "Customer" means any person, firm, corporation, or governmental entity who has applied for and is granted service or who is responsible for payment of service.

1.3.5 "Residential" Customer is a Customer who has telephone service at a dwelling and who uses the service primarily for domestic or social purposes. All other Customers are non-residential Customers.

1.3.6 "Service" means any telecommunications service(s) provided by the Carrier under this tariff.

1.3.7 "Station" means a telephone instrument consisting of a connected transmitter, receiver, and associated apparatus to permit sending or receiving telephone messages.

1.3.8 "UNE-P Switched Transport" – Service that traverses a tandem switch that is not owned by the company or its affiliated but is connected through a UNE-P configuration.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS

2.1 Undertaking of the Company

2.2 Obligations of the Customer

2.2.1 The Customer shall be responsible for:

2.2.1.1 The payment of all applicable charges pursuant to this tariff;

2.2.1.2 Reimbursing the Company for damage to, or loss of, the Company's facilities or equipment caused by the acts or omissions of the Customer; or the noncompliance by the Customer, with these regulations, or by fire or theft or other casualty on the Customer's premises unless caused by the negligence or willful misconduct of the employees or agents of the Company.

2.2.1.3 Providing at no charge, as specified from time to time by the Company, any needed space and power to operate the Company's facilities and equipment installed on the Customer's premises.

2.2.1.4 Complying with all laws and regulations regarding the working conditions on the premises at which the Company's employees and agents shall be installing or maintaining the Company's facilities and equipment. The Customer may be required to install and maintain the Company's facilities and equipment within a hazardous area if, in the Company's opinion, injury or damage to the Company's employees or property might result from installation or maintenance by the Company. The Customer shall be responsible for identifying, monitoring, removing and disposing of any hazardous material prior to any construction or installation work.

2.2.1.5 Complying with all laws and regulations applicable to, and obtaining all consents, approvals, licenses and permits as may be required with respect to, the location of the Company's facilities and equipment in any Customer premises for the purpose of installing, inspecting, maintaining, repairing, or upon termination of service as stated herein, removing the facilities or equipment of the Company.

2.2.1.6 Making Company facilities and equipment available periodically for maintenance purposes at a time agreeable to both the Company and the Customer. No allowance for interruptions in service will be made for the period during which service is interrupted for such purposes.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.2 Obligations of the Customer (Cont'd.)

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

2.2.2.1 Any loss, destruction or damage to property of the Company or any third party, or injury to persons, including, but not limited to, employees or invitees of either the Company or the Customer, to the extent caused by or resulting from the negligent or intentional act or omission of the Customer, its employees, agents, representatives or invitees; or

2.2.2.2 Any claim, loss, damage, expense or liability for infringement of any copyright, patent, trade secret, or any proprietary infringement of any copyright, patent, trade secret, or any proprietary or intellectual property right of any third party, arising from any act or omission by the Customer.

2.2.3 The Customer is responsible for ensuring that Customer-provided equipment connected to Company equipment and facilities is compatible with such equipment and facilities. The connection, operation, testing, or maintenance of such equipment shall be such as not to cause damage to the Company-provided equipment and facilities or injury to the Company's employees or other persons. Any additional protective equipment required to prevent such damage or injury shall be provided by the Company at the Customer's expense.

2.2.4 The Company's services (as detailed in this tariff) may be connected to the services or facilities or other communications carriers only when authorized by, and in accordance with, the terms and conditions of the tariffs or contracts which are applicable to such connections.

2.2.5 Upon reasonable notification to the Customer, and at a reasonable time, the Company may make such tests and inspections as may be necessary to determine that the Customer is complying with the requirements set forth in this tariff for the installation, operation, and maintenance of Customer-provided facilities and equipment that is connected to Company-owned facilities and equipment.

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SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.3 Liability of the Company

2.3.1 In view of the fact that the Customer has exclusive control over the use of service and facilities furnished by the Company, and because certain errors incident to the services and to the use of such facilities of the Company are unavoidable, services and facilities are furnished by the Company subject to the terms, conditions and limitations herein specified:

2.3.2 Service Irregularities

2.3.2.1 The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays, errors or defects in transmission, or failures or defects in facilities furnished by the Company, occurring in the course of furnishing service or other facilities and not caused by the negligence of the Customer, shall in no event exceed an amount equivalent to the proportionate charge to the Customer for the service or facilities affected during the period such mistake, omission, interruption, delay, error or defect in transmission, or failure or defect in facilities continues after notice and demand to Company.

2.3.2.2 The Company shall not be liable for any act or omission of any connecting carrier, underlying carrier or local exchange Company except where Company contracts the other carrier; for acts or omission of any other providers of connections, facilities, or service; or for culpable conduct of the Customer or failure of equipment, facilities or connection provided by the Customer.

2.3.3 Claims of Misuse of Service

2.3.3.1 The Company shall be indemnified and saved harmless by the Customer against claims for libel, slander, fraudulent or misleading advertisements or infringement of copyright arising directly or indirectly from material transmitted over its facilities or the use thereof; against claims for infringement of patents arising from combining or using apparatus and systems of the Customer with facilities of the Company; and against all other claims arising out of any act or omission of the Customer in connection with the services and facilities provided by the Company.

2.3.3.2 The Company does not require indemnification from the Customer where the action for which it is seeking indemnification is based on a claim of negligence by the Company.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.3 Liability of the Company (Cont'd.)

2.3.4 Defacement of Premises

2.3.4.1 The Company is not liable for any defacement of, or damage to, the Customer's premises resulting from the furnishing of service or the attachment of equipment and facilities furnished by the Company on such premises or by the installation or removal thereof, when such defacement or damage is not the result of negligence of the Company. For the purpose of this paragraph, no agents or employees of the other participating carriers shall be deemed to be agents or employees of the Company except where contracted by the Company.

2.3.5 Facilities and Equipment in Explosive Atmosphere, Hazardous or Inaccessible Locations

2.3.5.1 The Company does not guarantee nor make any warranty with respect to installations provided by it for use in an explosive atmosphere. Company shall be indemnified, defended and held harmless by the Customer from and against any and all claims, loss, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted or asserted by the Customer or by any other party, for any personal injury to or death of any person or persons, and for any loss, damage or destruction of any property, including environmental contamination, whether owned by the Customer or by any other party, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, presence, condition, location, use or removal of any equipment or facilities or the service and not due to the gross negligence or willful misconduct of the Company.

2.3.6 Service at Outdoor Locations

2.3.6.1 The Company reserves the right to refuse to provide, maintain or restore service at outdoor locations unless the Customer agrees in writing to indemnify and save the Company harmless from and against any and all loss or damage that may result to equipment and facilities furnished by the Company at such locations. The Customer shall likewise indemnify and save the Company harmless from and against injury to or death of any person which may result from the location and use of such equipment and facilities.

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SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.3 Liability of the Company (Cont'd.)

2.3.7 Warranties

2.3.7.1 THE COMPANY MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EXCEPT THOSE EXPRESSLY SET FORTH HEREIN.

2.3.7.2 Acceptance of the provisions of Section 2.3 by the Commission does not constitute its determination that any disclaimer of warranties or representations imposed by the Company should be upheld in a court of law.

2.3.8 Limitation of Liability

2.3.8.1 Nothing in this tariff shall be construed to limit the Company's liability in cases of gross negligence or willful misconduct.

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SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.4 Application for Service

2.4.1 Minimum Contract Period

2.4.1.1 Except as otherwise provided, the minimum contract period is one month for all services furnished. However, if a Customer notifies the Company within twenty days after receipt of the first bill that certain services or equipment are not desired, the Company will delete such services or equipment from the Customer's account without a record keeping or service ordering charge. The Customer nonetheless shall be responsible for all monthly usage and installation charges incurred for the use of such service and equipment.

2.4.1.2 The Company may require a minimum contract period longer than one month in connection with special, non-standard types or arrangements of equipment, or for unusual construction, necessary to meet special demands for service.

2.4.2 Cancellation of Service

2.4.2.1 Where the applicant cancels an order for service prior to the start of the installation or special construction of facilities, no charge shall apply, except to the extent the Company incurs a service order or similar charge from a supplying carrier, if any, prior to the construction.

2.4.2.2 Where the installation of facilities, other than those provided by special construction, has been started prior to cancellation, the lower of the following charge applies;

2.4.2.2. A The total costs of installing and removing such facilities; or

2.4.2.2. B The monthly charges for the entire initial contract period of the service ordered by the Customer as provided in this tariff plus the full amount of any applicable installation and termination charges.

2.4.2.3 Where special construction of facilities has been started prior to the cancellation, and the Company has another requirement for the specially constructed facilities, no charge applies.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.5 Payment for Service

2.5.1 Service will be billed directly by the Company on a monthly basis and is due and payable upon receipt or as specified on the Customer's bill. Service will continue to be provided until canceled by the Customer or discontinued by the Company as set forth in COMAR 20.45.04.05 through COMAR 20.45.04.07.

2.5.2 The Customer is responsible for payment of all charges for service furnished to the Customer. Charges based on actual usage during a month will be billed monthly in the month following the month in which the service was used. All fixed monthly and nonrecurring charges for services ordered will be billed monthly in advance.

2.5.3 The Company reserves the right to require from an applicant for service advance payments of fixed charges and nonrecurring charges. The advance payment will not exceed an amount equal to the nonrecurring charge(s) and one month's charges for the service or facility. In addition, where special construction is involved, the advance payment may also include an amount equal to the estimated nonrecurring charges for the special construction. The advance payment will be applied to any indebtedness for the service and facilities for which the advance payment is made on the Customer's initial bill.

Advanced payments for installation costs or special construction will be credited on the first bill in their entirety.

2.5.4 The Company will not collect attorney fees or court costs from Customers.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.6 Allowance for Interruptions in Service

2.6.1 Credit for failure of service or equipment will be allowed only when failure is caused by or occurs in equipment owned, provided, or billed for, by the Company. The Carrier agrees to abide by the regulations associated with interruptions in service as specified by Code of Maryland Regulations 20.45.05.09 as amended from time to time.

2.7 Special Customer Arrangements

In cases where a Customer requests special or unique arrangements which may include but are not limited to engineering, conditioning, installation, construction, facilities, assembly, purchase or lease of facilities and/or other special services not offered under this tariff, the Company, may provide the requested services. Appropriate recurring charges and/or nonrecurring charges and other terms and conditions will be developed for the Customer for the provisioning of such arrangements.

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SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.8 Unlawful Use of Service

2.8.1 Service shall not be used for any purpose in violation of law or for any use as to which the Customer has not obtained all required governmental approvals, authorizations, licenses, consents, and permits. The Company shall refuse to furnish service to an applicant or shall disconnect the service without notice of a Customer when:

2.8.1.1 An order shall be issued, signed by a judge finding that probable cause exists to believe that the use made or to be made of the service is prohibited by law, or

2.8.1.2 The Company is notified in writing by a law enforcement agency acting within its jurisdiction that any facility furnished by the Company is being used or will be used for the purpose of transmitting or receiving gambling information in interstate or foreign commerce in violation of the law.

2.8.2 If service has been physically disconnected by law enforcement officials at the Customer's premises and if there is not presented to the Company the written finding of a judge, then upon written or verbal request of the subscriber, and agreement to pay restoral of service charges and other applicable service charges, the Company shall promptly restore such service.

2.9 Interference with or Impairment of Service

Service shall not be used in any manner that interferes with other persons in the use of their service, prevents other persons from using their service, or otherwise impairs the quality of service to other Customers. The Company may require a Customer to immediately shut down its transmission of signals if said transmission is causing interference to others or impairing the service of others.

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ACCESS SERVICES TARIFF

SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.10 Telephone Solicitation by Use of Recorded Messages

2.10.1 Service shall not be used for the purpose of solicitation by recorded messages when such solicitation occurs as a result of unrequested or unsolicited calls initiated by the solicitor by means of automatic dialing devices. Such devices, with storage capability of numbers to be called or a random or sequential number generator that produces numbers to be called and having the capability, working alone or in conjunction with other equipment, of disseminating a prerecorded message to the number called and which are calling party or called party controlled, are expressly prohibited.

2.11 Overcharge/Undercharge

2.11.1 Overcharge/undercharge provisions will be in accordance with COMAR 20.45.04.01.

2.11.2 When a Customer has been overcharged, the amount shall be refunded or credited to the Customer.

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SECTION 2 - RULES AND REGULATIONS (CONT'D.)

2.12 Calculation of Distance

Usage charges for all mileage sensitive products are based on the airline distance between serving wire centers associated with the originating and terminating points of the call.

The serving wire centers of a call are determined by the area codes and exchanges of the origination and destination points.

The distance between the Wire Center of the Customer's equipment and that of the destination point is calculated by using the "V" and "H" coordinates found in TelCordia's V&H Tape and NECA FCC Tariff No. 4.

Step 1 - Obtain the "V" and "H" coordinates for the Wire Centers serving the Customer and the destination point.

Step 2 - Obtain the difference between the "V" coordinates of each of the Wire Centers. Obtain the difference between the "H" coordinates.

Step 3 - Square the differences obtained in Step 2.

Step 4 - Add the squares of the "V" difference and "H" difference obtained in Step 3.

Step 5 - Divide the sum of the square obtained in Step 4 by ten (10). Round to the next higher whole number if any fraction results from the division.

Step 6 - Obtain the square root of the whole number obtained in Step 5. Round to the next higher whole number if any fraction is obtained. This is the distance between the Wire Centers.

Formula:

$$\sqrt{\frac{|V_1 - V_2|^2 + |H_1 - H_2|^2}{10}}$$

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES

3.1 Carrier Common Line

3.1.1 General

A Description

Where the Customer has obtained switched access service as set forth in Section 3.4, following, the use of end users' Company provided common lines is necessary in order for the Customer to access end users to furnish intrastate communications. Carrier Common Line Access Service provides that function. Carrier Common Line Access also provides for the use of switched access service originating from a WAL.

1. Where the Customer is provided with switched access service under this tariff, the Company will provide the use of Telephone Company common lines by a Customer for access to end users.
 - A. All line side connections provided in the same access group will be limited to the same features and operating characteristics.
 - B. All Trunk side connections provided in the same access group will be limited to the same features and operating characteristics.
 - C. A telephone number is not provided with carrier common line access.
 - D. Detail billing is not provided with carrier common line access.
 - E. Directory listings are not included in the rates and charges for carrier common line.
 - F. Intercept arrangements are not included in the rates and charges for carrier common line access.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.1 Carrier Common Line (Cont'd.)

3.1.2 Responsibility of the Customer

A. Reselling MTS / MTS Type Service

1. Where the Customer is reselling MTS and / or MTS type service(s) on which the carrier common line and switched access charges have been assessed, the Customer shall obtain FGB or FGD service for originating and / or terminating access in the local exchange.

a. Such access groups arrangements whether single lines or trunks or multiline hunt groups or trunk groups will have carrier common line access charges applied.

B. Customer Facilities

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

C. Billing Dispute

If a billing dispute arises concerning the Customer provided monthly of originating 800 and / or 900 access, as specified in Section 3.4.1; the Company will request not more than once a year, that the Customer provide the Telephone Company the data used to develop the report, within 30 days of the Company's request.

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.1 Carrier Common Line (Cont'd.)

3.1.3 Application of Rates of Charges

A. Description

1. The carrier common lines access rates and charges apply to intrastate switched access service access minutes in accordance with the rate regulations as set forth in this section. The access minutes for all switched access subject to carrier common line charges will be multiplied by the per minute rate to determine the charges.
 - a. The originated per minute charge(s) apply to all originating access minutes of use.
 - b. The terminating per minute charge(s) apply to all terminating access minutes of use.
2. When access to the local exchange is required to provide a Customer service (e.g., MTS / WATS - type, telex, Data, etc. . .) that uses resold Interexchange Carrier's private line service, switched access service rates and regulations will apply except when such access to the local exchange is required for the provision of an enhanced service. Carrier common line access rates and charges apply.
3. The common channel signaling access STP link termination and STP port, as set forth in Section 3.4, following, are not subject to a carrier common line charge.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.1 Carrier Common Line (Cont'd.)

3.1.3 Application of Rates of Charges (Cont'd.)

B. Determination of Charges,

1. When carrier common line access is provided in association with the FGB service in Company offices that are not equipped for measurement capabilities, assumed average intrastate access minutes will be used to determine carrier common line access charges.
2. When actual access minutes Are used to determine carrier common line chargers they will accumulated using call detail recorded by the Company equipment.
 - a. The Company measuring and recording equipment will be associated with end office or local tandem switching equipment and will record originating access minutes and terminating access minutes where answer supervision is received.
 - b. The accumulated access minutes will be summed in a line by line basis, by line group or end office, which ever type of account is used by the Company, for each Customer and then rounded to the nearest minute.
 - c. Apportionment - When the Customer reports interstate and intrastate use of switched access service, the carrier common line access minutes developed by the Company, will be multiplied by the originating and / or terminating intrastate percentages of use reported by the Customer, as specified in Section 4.2.1, following. The result will then be used to determine the carrier common line charges.
 - (i) The access minutes for all switched access service subject to carrier common line charges will be multiplied by the per minute rate to determine the charges.

3.1.4 Rates and Charges

Rates and Charges for Carrier Common Line are set forth in Section 4.1, following.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.2 Billing Name and Address Service

3.2.1 General

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 telephonic communications services to its end users and may not be resold or used for any other purpose, including marketing activity such as market surveys or direct marketing by mail or by telephone. The Customer may not use BNA information to bill for merchandise, gift certificates, catalogs or other services or products.

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

BNA information is furnished for sent-paid, 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.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.2 Billing Name and Address Service (Cont'd.)

3.2.2 Undertaking of the Company

- A. A request for information on telephone numbers should be mailed or faxed to the Company. The Company will provide the response by first class U.S. Mail within ten (10) business days, unless other arrangements are mutually agreed to between the Company and the Customer.
- B. The Company will specify the format in which requests are to be submitted.
- C. The BNA information will be provided for the calling number furnished to the extent a billing name and address exists in the Company's records, including non-published and non-listed numbers. 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.
- D. 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.
- E. The Company shall use reasonable efforts to provide accurate and complete lists. The Company makes not warranties, expressed or implied, as to the accuracy or completeness of these lists.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.2 Billing Name and Address Service (Cont'd.)

3.2.3 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 shall institute adequate internal procedures to insure that BNA information, including that related to non-published and non-listed telephone numbers, is used only for the purpose set forth in this Tariff and BNA information is available only to those Customer personnel or agents with a need to know the information. The Customer must handle all billing name and address information designated as confidential by the 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 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 the BNA Services.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.2 Billing Name and Address Service (Cont'd.)

3.2.4 Rate Regulations

- A. Service Establishment Charges apply for the initial establishment of BNA Service on a manual basis.
- B. 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.
- C. When a Customer cancels an order for BNA Service after the order date, the Service Establishment Charge applies.

3.2.5 Rate and Charges

Rates and Charges for Billing Name and Address Service is set forth in Section 4.1, following.

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service

3.3.1 Description

A. General

Switched access service, which is available to Customers for their use in originating and terminating communications, provides a two point electrical communications path between a Customer's premises and an end user's premises. It provides for the use of common terminating, switching and trunking facilities and both common subscriber plant and unshared subscriber plant (i.e., WALs) of the Telephone Company. Switched Access Service provides for the ability to originate calls from an user's premises to a Customer's premises, and to terminate calls from a Customer's premises to an end user's premises in the LATA where it is provided.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.1 Description (Cont'd.)

B. Service Structure

1. Switched access service is provided in service arrangements called Feature Groups (FG s) which are differentiated by their technical characteristics, (e.g., line side vs. trunk side connection at the Company entry switch), and in the manner in which end user accesses them in originating calling (e.g., with or without an access code). The FG s are identified as FGB and FGD. Each feature group requires local transport facilities and the appropriate local switching functions. 800 Database and 900 database access services are available through the use of the trunk side feature groups.

a. FGs are arranged for either originating, terminating or two-way calling, based on the Customer end office switching capacity ordered. The Company will determine the type of calling to be provided unless the Customer requests that a different of directional calling is to be provided. In such cases, the Company will work cooperatively with the Customer to determine the direction.

(i) Originating Calling - permits the delivery of calls from the telephone exchange service locations to Customer's premises

(ii) Terminating Calling - permits the delivery of calls from the Customer's premises to telephone exchange service locations.

(iii) Two-way calling - permits the delivery of calls in both directions, but not simultaneously

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.1 Description (Cont'd.)

C. Manner of Provision

1. Lines, Trunks and Busy Hours of Capacity (BHMCs) - Switched access is furnished in either quantities of lines or trunks, or, for tandem switched transport, in BHMCs. BHMCs and trunks are differentiated by type and directionality of traffic carried over a switched access service arrangement. Differentiation of traffic is necessary for the Company to properly design switched access service to meet the traffic carrying requirement of the Customer.
 - a. FGB is provided on a per trunk basis
 - b. FGD is provided on a BHMC basis for tandem switched transport only and may also be provided to Customers on a per trunk basis as set forth in Section 3.3.2, preceding.
2. Transmission Specifications - there are three transmission specifications (i.e., types A, B, or C) for the provision of feature groups. The specifications provided are dependent on the interface group and the routing of the service (i.e., whether the service is routed directly to the end office or via an access tandem), as specified in Sections 3.3.2, 3.3.3 and 3.3.4, following.
3. Facilities and Routing - any Customer may request that the facilities used to provide switched access service be specially routed.
4. Testing - At no additional charge, the Company will, at the Customer's request, cooperatively test, at the time of installation, loss, C-message noise, 3 tone slop, dc continuity and operational signaling. When the local transport is provided with interface group 2,6,7, and 9 and the local transport termination is two-wire (there is a four wire to two wire conversion in local transport), balance parameters (equal level echo path loss may also be tested).

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.1 Description (Cont'd.)

D. Traffic Type

1. The major traffic types are originating, terminating and directory assistance. When ordering capacity for FGB or FGD access, the Customer must at a minimum specify such access capacity in terms of originating traffic type and / or terminating traffic type.
2. Originating Traffic represents access capacity within a LATA for carrying traffic from the end user to the Customer. Because some Customers may want to further segregate their originating FGB and FGD traffic into separate trunk groups or because segregation may be required by technical limitations. When ordering the following originating traffic types of access capacity, FGD Customer's must specify the specific traffic type being ordered.
 - a. Domestic.
 - (i) Domestic traffic type represents access capacity for carrying only domestic traffic other than 800, 900 and operator traffic.
 - b. 800
 - c. 900
 - d. Operator
 - (i) 800, 900 and operator traffic types represent access capacity for carrying, respectively only 800, 900 or operator traffic.
3. Terminating Traffic - represents access capacity within a LATA for carrying traffic from the Customer to the end user.
4. Directory Assistance Traffic represents access capacity within a LATA for carrying directory assistance traffic from the Customer to a directory assistance location.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service

A. General

1. The functional components of switched access feature groups are local transport, local switching, and carrier common line, as described in Section 3, preceding.

B. Local Transport

1. Local Transport provides the transmission facilities between the Customer's premises and then end office switch(es) where the Customer's traffic is switched to originate or terminate its communications.
2. Local Transport is a two way voice frequency transmission path composed of facilities specified by the Customer or for tandem switched transport, determined by the Telephone Company.
 - a. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the Customer's premises) and in the terminating direction (from the Customer's premises to the end office switch) but not simultaneously.
 - b. The voice frequency transmission path may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hertz.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

3. The Company will work cooperatively with the Customer in order to determine the following.
 - a. Whether the service is to be directly routed to an end office switch or through an access tandem switch.
 - b. The directionality of service.
4. For purposes of determining local transport mileage, distance will be measured from the wire center that normally serves the Customer to the end office switch(es). Exceptions to the mileage measurement rules are set forth in Section 3.3.4(I), following.
 - a. Notwithstanding, Section 3.3.2.B.1, preceding, the local transport mileage for access minutes which originate (i.e., FGD) from or terminate (i.e., FGB or FGD), to a WAL service will be calculated in an airline basis, using V& H coordinates method, between the WCO at which the WAL service terminates and the Customer premises serving wire center for the FGB and FGD service provided. When the FGB usage originating from or terminating to a WAL service is transposed over a FGB trunk which assumed minutes of use are billed, the local transport mileage for such usage will be calculated in accordance with Section 3.3.4(I), following., as appropriate.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

5. Local Transport Rate Category

Local Transport Rate Category is comprised of the following:

a. Entrance Facility - the entrance facility is comprised of a standard channel termination rate for that portion of the voice frequency transmission path from the Customer premises to the serving wire center.

(i) The Customer must order or have in place an entrance facility from the Customer premises to the serving wire center of the Customer premises for direct trunked facility or tandem switched transport.

(ii) An office channel termination rate will apply in lieu of the standard channel termination for each local transport entrance facility terminated at the Customer's collocated premises. Company facilities or services will not be provided to connect collocated premises in different wire centers.

b) Interconnection Charge

The Interconnection charge provides for the interconnection with the Company switched access network.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

5. Local Transport Rate Category (Cont'd.)

c. Channel Mileage.

The local transport rate category, when provided as direct trunked transport, is comprised of channel a mileage rate. Channel mileage rate provides for that portion of the voice frequency transmission path from the serving wire center of the Customer premises directly to an end office or an access tandem.

d. When provided as tandem switched transport, local transport is comprised of local transport termination, local transport facility and local transport tandem switching..

(i) Local Transport Termination provides for that portion of the voice frequency transmission path at either the serving wire center of the Customer premises or at the access tandem and the end office switch for traffic that is switched at an access tandem. Local transport termination for that portion of the voice frequency transmission path at a host end office and a remote switching system or a remote switching module.

(ii) Local Transport Facility provides for that portion of the voice frequency transmission path from either the serving wire center of the Customer premises or the access tandem to an end office for traffic that is switched at an access tandem. It also provides for that portion of the voice frequency transmission path from the host end office to a remote switching system and a remote switching module.

(iii) Local Transport Tandem Switching provides for the use of the Company tandem switching facilities. An operator passthrough charge and multiplexer charge will apply as appropriate.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

5. Local Transport Rate Category (Cont'd.)

e. Operator Access - If the Customer provides operator services for end users for calls originating from a particular LATA and is capable of receiving calls passed through to it by the Company in that LATA, the Company will provide end users with access to the operators of a Customer for operator assisted call completion as desired. The Customer will be assessed an operator passthrough charge that will include the costs associated with handling the operator services passthrough

(i) If the Customer does not provide operator services for end users, at the option of the Customer, the Company will provide end users with access to a Customer designated operator services provider or to a Company provided announcement which will direct the end user to contact his or her pre-subscribed Interexchange Carrier for dialing instructions. For Customers who opt to designate an operator services provider, only one operator service provider may be designated within a specific LATA. In either case, the operator passthrough charge will be assessed. However, when an operator services provider is designated by the Customer to handle this traffic, the operator passthrough charge will be assessed on the operator services provider instead of the Customer.

(ii) CCSA provides for the interconnection to the Company common channel signaling network using dedicated STP links and STP ports.

(iii) Operator passthrough is provided on a mechanized and manual basis for intraLATA and interLATA calls.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

6. Interface Groups

Interface groups are provided for terminating the local transport at the Customer's premises. Five Interface groups are provided for terminating the local transport at the Customer's non-collocated premises and two interface groups are provided for terminating the local transport at the Customer's collocated premises, Each interface group provides a specified premises interface (e.g., two-wire, four-wire, DS1 etc. . .). Where transmission facilities permit, the individual transmission path between the Customer's premises and the first point of switching may, at the option of the Customer, be provided with optional features described herein.

- a. As a result of the Customer's access order and the type of entrance facilities serving the Customer's premises, the need for signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Company equipment be placed at the Customer's premises. For example, if a voice frequency interface is ordered by the Customer and the Company facilities serving the Customer's premises is digital, then Company channel bank equipment must be placed at the Customer's premises in order to provide the voice frequency entrance facility ordered by the Customer. For collocated arrangements, such equipment will be placed in Company space within the serving wire center, access tandem or remote node that serves the Customer's collocated premises.
- b. Only certain premises interfaces are available at the Customer's premises. The premises interfaces associated with the interface groups may vary among feature groups. The various premises interfaces which are available with the interface groups and the feature groups which may be used are shown in Exhibits 3.3.2.B.-1 through 3.3.2.B.-5.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

6. Interface Groups (Cont'd.)

- c. Transmission Specifications - Interface Group 1 is provided with Type C transmission specifications. Interface Groups 2, 6, 7 and 9 are provided Type A or B transmission specifications depending in the feature group and whether the access service is routed directly or through and access tandem. All interface groups are provided with data transmission parameters. Compatibility and interface requirements for use of switched access interface 9 are in accordance with the guidelines set forth in CB119 / TA34.
- d. Signaling - Interface groups 1 and 2 are provided with loop supervisory signaling. When the interface is associated with FGB or FGD, such signaling, except for two-way calling (which is E&M Signaling), will be reverse battery signaling. Interface groups 6,7 and 9 are provided with individual transmission path bit stream supervisory signaling.
- e. The SS7 signaling option is provided with FGD. These trunks may be provided using interface groups 1, 2, 6 and 9. CCSA signaling connections are provided using interface group 6.

(D)
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(D)

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

7. Optional Features

Where transmission facilities and parameters permit, and where signaling conversion is required by the Customer to meet its signaling needs capability, the Company will provide the Customer non-chargeable supervisory signaling arrangement for each transmission path as follows. The optional supervisory signaling arrangements are not available in combination with SS7 signaling option.

- a. For Interface Groups 1 and 2 - DX supervisory signaling, E&M Type 1 supervisory signaling, E&M Type 2 supervisory signaling or E&M Type 3 supervisory signaling.
- b. For Interface Group 2 - SF supervisory signaling or tandem supervisory signaling.
- c.. For Interface Groups 6,7, and 9. - these interface groups at the option of the Customer, may be provided with individual transmission path SF Supervisory Signaling where such signaling is available in Company central offices. Generally such signaling is available only where the entry switch provides analog, interface to the transport termination and a portion of the facility between the analog entry switch and the Customer's premises is analog.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

8. Other Non-Chargeable Local Transport Optional Features - are provided where transmission facilities permit, and are as follows.

- a. Customer specified Entry Switch Receive Level allows the Customer to specify the first point of switching. The range of transmission levels which may be specified as described in Technical Reference TR-NPL-000334. This available with interface groups 2,6,7, and 9 for FGB.
- b. Customer Specific Specification of Local Transport Termination allows the Customer to specify, for FGB routed directly to an end office or access tandem, a four wire termination of the local transport at the entry switch in lieu of a Company selected two-wire termination. This is available only when the FGB arrangement is provided with Type B transmission specifications.
- c. Signaling System 7 Signaling option allows the Customer to receive signals for a call setup out of band. This option is available with FGD. The option is provided with calling party number, charge number and carrier selection parameter as specified in Section 3.3.2(D)4, following

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

9. Chargeable Optional Features

a. Common Channel Signaling Access (CCSA) provides interconnection to the Company common channel signaling network using a dedicated STP link and STP port. The STP link provides the connection for the Customer designated premises to the Company STP. The STP port provides the connection from the Customer access to the Company SS7 Network. The STP link and STP Port are dedicated to the Customer. Shared Use may also be provided.

(i) Each CCSA STP link provides two-way digital transmission at a speed of 56 Kbps. The connection to the Company STP can be made from either the Customer's signaling point which requires two 56 Kbps circuits or from the Customer's STP which requires four 56 Kbps circuits. The design requirements for CCSA STP links are described in Technical Publication TR-TSV-000905.

(ii) The STP Locations are set forth in the NECA Tariff FCC No. 4.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

B. Local Transport (Cont'd.)

9. Chargeable Optional Features (Cont'd.)

a. (Cont'd.)

- (iv) Where the multiple STP pairs are deployed in a LATA, Company end offices or tandems are interconnected to only one STP pair. The Customer must route terminating traffic to the STP pair that serves the end office or tandem switch where the call is terminated. The Customer may request that all of its terminating traffic in a LATA be routed to a single STP Pair, using the Telephone Company's SS7 signaling network to provide connection to the other STP pair in the LATA. If available capacity exists within the Telephone Company's SS7 signaling network and where technically feasible, the Company and the Customer will mutually agree to the Customer's use of a single STP pair in the LATA. In the event that the Company's SS7 signaling network may be impaired as a result of changes in traffic requirements, the Customer will then be notified that its use of a single STP pair in the LATA is no longer permitted and that it must order CCSA links to each STP pair in the LATA.

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

C. Local Switching

1. Local Switching provides the functions necessary to complete the transmission of switched access communications to and from end users serviced by the local end offices. The functions included are listed as follows.
 - a. Local End Office Switching - The common switching functions associated with the various Switched Access feature groups.
 - b. Transport Termination - The line or trunk side arrangements which terminate the local transport facilities at end offices.
 - c. Intercept - The termination of a call at a Company intercept operator or recording.
 - d. Line Termination - The termination for the end user lines (common lines and WALs) terminating in the end office.
2. WAL Service terminations are differentiated by line side vs. trunk side terminations, the standard WAL service arrangement is available with line side termination.
 - a. There are various types of originating, terminating and two-way line side terminations depending on the type of signaling associated with the WAL service (i.e., loop start or ground start). Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.
 - b. There are also various types of originating only or terminating only WAL service trunk side termination that are available in lieu of standard line terminations. Trunk side terminations are provided only in association with certain WAL service termination optional features.

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching

1. Alternate Traffic Routing - End Office Alternate when Ordered in Trunks - provides an alternate routing arrangement for Customers who order in trunks and have access for a particular feature group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the Customer's originating traffic from an end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and available with FGB and FGD. It is not available with FGD provided from designated electro-mechanical end offices.
2. Alternate Traffic Routing - Multiple Customer Premises - provides the capability of directing 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 premises. The Customer shall specify the last trunk CCS desired for high usage group. It is provided in suitably equipped end office or access tandem switched and is available with FGB and FGD.

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

3. Automatic Number Identification (ANI) - Switched access service offering the optional feature, ANI, is provided under this tariff only to Cable TV companies for the sole purpose of facilitating billing for such companies and for Interexchange Carriers.

a. ANI provides the automatic transmission of a seven or a ten digit number and information digits to the Customer's premises for calls originating in the LATA, to identify the calling station. The ANI feature is an end office software function which is associated on a call by call basis with all individual transmission paths in a trunk group routed directly between an end office and a Customer's premises; or where technically feasible, with all individual transmission paths in a trunk group between an access tandem and a Customer's premises. Where ANI cannot be provided, (e.g., on calls from four-and party services), information digits will be provided to the Customer.

b. The seven digit ANI telephone number is available with FGB. With this feature group, 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 and public telephone service lines using FGB or when an ANI failure has occurred. The ten digit ANI telephone number is available with FGD provided multifrequency address signaling. The ten digit ANI telephone number consists of the NPA plus seven digit ANI Telephone number.

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

3. (Cont'd.)

- c. 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).
 - (i) The information digits identify
 - (ii) Telephone number is the station billing number
 - (iii) No special treatment is required.
 - (iv) Multiparty line telephone number is a four or eight party line and cannot be a identified number must be obtained by an operator or in some other manner.
 - (v) ANI failure has occurred in the end office switch which prevents identification of the calling telephone number. The Telephone number must be obtained via an operator or in some other manner.
 - (vi) Hotel / motel originated call which requires room identification.
 - (vii) Coinless station, hospital, inmate, etc. ., call which requires special screening or handling by the Customer
 - (viii) Call is an automatic identified outward dialed call from the Customer premises equipment. The ANI telephone number is listed telephone number of the Customer and is not the telephone number of the calling party. These ANI information digits are available with FGB and FGD.

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3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

3. (Cont'd.)

- d. Additional ANI information digits are available with FGD. They include interLATA restricted telephone number is identified; the ANI telephone number is the listed telephone number is identified line; InterLATA restricted hotel / motel line; InterLATA restricted Coinless line; hospital; inmate; etc., line. These information digits will be transmitted as agreed to by the Customer and the Telephone Company.
- e. When SS7 signaling option is specified, the Customer will be provided an ANI equivalent, the charge number feature, as specified in Section 3.3.2.G 2, following.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

4. Baud Advance Arrangement for Use with WAL Service - This option which is provided in association with two or more WAL service groups, provides for the automatic overflow of terminating calls to a WAL service group, when that group has exceeded its call capacity, to another WAL service group with a band designation equal to or greater than that of the overflowing WAL service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with FGD.
5. End Office End User Line Service Screening for Use with WAL Service - This option provides the ability to verify that a Customer has dialed a called party address (by screening the called NOA and / or NXX on the basis of the geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the Customer (i.e., WATS). This option is provided in all Company electronic end offices and where available, in electro-mechanical end offices in which WAL service is provided. It is available with FGD.
6. Hunt Group Arrangement for Use With WAL Service - this option provides the ability to sequentially access one or more WAL Services (i.e., 800 service access lines) in the terminating direction, when the hunting number of the WAL service group is forwarded from the Customer to the Telephone Company. This Feature is provided in the Telephone Company's end offices in which WAL service is provided. It is available with FGB and FGD.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

7. Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WAL Service - this option provides an arrangement for an individual WAL Service within a multiline hunt or uniform call distribution group that provides access to those WAL services within the Hunt or the uniform call distribution group when it is idle or provides busy tone when it is busy, when the non-hunting number is dialed. Where available, this feature is only provided in Company electronic end offices in which WAL service is provided. It is available with FGB and FGD.

8. Routing of IntraLATA Calls to the Company for Use with WAL Service - This option is available with either, originating only WAL service not equipped with the end office end user line service screening optional feature, or with two-way WAL service, provides that IntraLATA calls originating over such services by the end users dialing valid NXX codes in the LATA, time or weather announcement services of the Company, community information services of an information service provider, local operator assistance (0- and 0+), service codes (611 and 911), and directory assistance (411, 555-1212 and NPA 555-1212) will be routed to the facilities of the Company for completion. Calls placed by the end user's dialing the 950-0XXX or 950-1XXX will directed to the FGB Customer. This option provides that interLATA calls originating from such services by the end user's dialing 0- will be directed to the FGD service of the Customer providing the InterLATA operator services. This option is available with FGD.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

D. Local Switching Optional Features - Common Switching (Cont'd.)

9. 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 in the line class of service (e.g., coin, multiparty or hotel / motel), service prefix indicator (e.g., 0- or 0+) or service access code (e.g., 800). It is provided in suitably equipped end office or access tandem switches and is available with FGD.
10. Uniform Call Distribution Arrangement for Use with WAL Service - this option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available WAL services in the Hunt Group. Where available, this feature is only provided in Company electronic end offices in which WAL service is provided. It is available with FGB and FGD.
11. Up to Seven Digit Out-pulsing of Access Digits to Customer - this option provides for end office capability of providing up to seven digits of the uniform access code (950-XXX or 950 -1XXX) to the Customer premises. The Customer can request that only some of the access code be forwarded. The access code digits would be provided to the Customer's premises using multifrequency signaling, and transmission of the digits would precede the forwarding ANI if that feature were provided. It is available with FGB.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

E. Local Switching Optional Features - Transport Termination

1. Operator Trunk Assist Feature - this option provides the operator functions in the end office to the Customer's operator. These functions are operator released and operator attached. It is available with FGD and is provided as a trunk type of transport termination. This service is not available in combination with SS7 signaling option.
2. Operator Trunk Full Feature - this option provides the operator functions available in the end office to the Customer's operator for InterLATA use. These functions are, operator released, operator attached, coin collect, coin return and ringback. It is available with FGD and is provided as a trunk type of transport termination. This option is not available with SS7 signaling option.
3. Rotary Dial Station Signaling - this option provides for the transmission of called party addresses from rotary dial stations to the Customer's premises for originating calls. This option is provided in the form of a specific type of transport termination. It is available with FGB, only on a directly trunked basis.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

F. Local Switching Optional Features - WAL Service Terminations

1. WAL Service Terminations

WAL Service Terminations are available only on end offices designated as WSOs.

- a. Answer Supervision provides for equipment at the end user premises that indicates that the called end user has answered, when such indication is provided by the interexchange carrier. When answer supervision is provided with two-wire WAL service, reverse battery-type supervision is also provided. This option is available with originating only two-wire WAL service for use with FGB and FGD.
- b. E&M Supervisory Signaling - provides for E&M Type 1, Type 2, or Type 3 supervisory signaling in lieu of loop start or ground start supervisory signaling. When E&M supervisory signaling is provided, answer supervision is also provided for originating traffic. This option is available with four-wire originating, terminating and two-way only WAL service, for use with FGB and FGD.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

G. Local Switching Optional Features - SS7 Signaling Options

1. Calling Party Number (CPN) - CPN provides for the automatic transmission of the calling party's ten digit telephone number to the Customer's premises for calls originating in the LATA or from the Customer's premises for calls terminating in the LATA. The ten digit telephone number consist of the NPA plus seven digit telephone number, which may or may not be the same number as the calling stations charge number. The feature is provided with FGD when ordered with the SS7 signaling option. The specific protocols for these options are contained in TR-TSV-000905.
2. Charge Number (CN) - CN provides for the automatic transmission of the ten digit billing number of the calling station number and originating line information. This feature is provided with FGD when ordered with SS7 signaling option.
 - a. The information digits shall only be used for billing and collection, routing and screening and completion of the originating subscriber's call or transaction. The information provided shall not be reused or resold without first notifying the originating telephone subscriber and obtaining affirmative consent of the subscriber for reuse or resale.
 - (i) Performing the services or transaction that are the subject of the originating subscriber's call.
 - (ii) Ensuring network performance security, and the effectiveness of the call delivery.
 - (iii) Compiling, using and disclosing aggregate information.
 - (iv) Complying with applicable laws.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

G. Local Switching Optional Features - SS7 Signaling Options (Cont'd.)

2. (Cont'd.)

- b. Unless the originating subscriber has given consent for the reuse or resale, any information provided shall not be used for any purpose other than the following.
- c. The above restrictions shall not prevent the subscriber to the CN feature from using information acquired from a CN feature, such as the telephone number and billing information or information derived from analysis of the characteristics of calls received through the CN feature, to offer a product or service that is directly related to the products or services previously purchased by a Customer of the CN feature subscriber.

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.2 Functional Components of Service (Cont'd.)

G. Local Switching Optional Features - SS7 Signaling Options (Cont'd.)

3. Carrier Selection Parameter (CSP) - CSP provides for the automatic transmission of signaling indicator which signifies to the Customer whether the call being processed originated from a pre-subscribed end user of that Customer. This feature is provided with FGD when ordered with SS7 Signaling Option.
4. Carrier Identification Parameter (CIP) - provides for the transmission of CIC information to the Customers on originating FGD service. CIP is available from suitably equipped end offices and access tandems, when the SS7 signaling option is specified. When CIP is provided, the switch will transmit, to the Customer premises, the 3 or 4 digit CIC of the pre-subscribed line, or the CIC selected when the end user places a call using 10XXX or 101XXXX dialing. CIP is available on an originating basis as a chargeable optional feature with originating one or two way FGD trunk groups.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access

A. Feature Group B (FGB)

1. FGB which is available to all Customers, provides trunk side access to a Company end Office switched with an associated uniform 950B0XXX or 950-1XXX access code for non-900 access services traffic, for Customer's use in originating and terminating communications. FGB when directly routed to an end office (i.e., provided without the use of a tandem switch), is provided at appropriately equipped Company electronic end office switches. When provided via Company designated access tandem switches, FGB switching is provided at Company electronic and electro-mechanical end office switches.
2. FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
3. Uniform Access - Uniform Access is used for non-800 and non-900 access services FGB switching. The form of the code is 950-0XXX or 950-1XXX for carriers. One uniform access code will be assigned to the Customer for the Customer's domestic communications and another will be assigned to the Customer for their international communications, if required. These uniform access will be the assigned access numbers of all non-800 and non-900 access FGB service provided to the Customer by the Telephone Company. No access code is required for FGB switching to provide 800 and 900 access services where the Telephone numbers dialed by the Customer's end user are in the form of 1+800+NXX+XXXX or 1+900+NXX+XXXX., respectively.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

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

4. Terminating Access - FGB switching when used in the terminating direction, may be used to access valid NXXs in the LATA, time whether announcement services of the Telephone Company, community information services of an information service provider and other Customers' services (by dialing the appropriate digits).
 - a. When directly routed to an end office, only those valid NXX codes served by that end office may be accessed.
 - b. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.
 - c. Call in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes local operator assistance (0- or 0+), directory assistance (411 where available and 555-1212), service codes (611 and 911 where available) or 10XXX or 101XXX access codes.
 - d. FGB may not be switched, in the terminating direction, to FGB and FGD.
 - e. The Customer will also be billed additional non-access charges for calls to certain community information service for which rates are applicable under Company exchange service tariffs (e.g, 976 Dial-it Network Services).
 - f. Non-access charges will also be billed for calls from 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.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

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

5. Signaling - the trunk side switch equipment is provided with wink start pulsing signals, and answer and disconnect supervisory signaling. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with ANI or rotary dial station signaling arrangements as set forth in Section 3.3.2(D) and 3.3.2(D) 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.
6. Intercept Announcement - 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.
7. Transmission Specifications - FGB is provided with either Type B or Type C transmission specifications. The specifications for the associated parameter are guaranteed to the end office when routed directly or to the first point of switching routed via an access tandem.
 - a. Type C transmission specifications are provided with interface group 1
 - b. Type B is provided with interface groups 2, 6, 7 and 9
 - c. Type DB data transmission parameter are provided with FGB to the first point of switching.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

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

8. Testing Capabilities - FGB is provided, in terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, loop around test line, short circuit test line and open circuit test line.
9. Provisions of Other Services - The Interexchange Carrier will be provided with the routing of intraLATA calls to the Company for use of WAL service option, when a WAL service is provided in conjunction with FGB.
10. Common Switching Optional Features
 - a. Alternate Traffic Routing
 - b. Automatic Number Identification (ANI)
 - c. Hunt Group Arrangement for Use with WATS Access Line Service
 - d. Non-hunting Number for the Use with Hunt Group Arrangement
 - e. Uniform Call Distribution for Use with WATS Access Line Service
 - f. Uniform Call Distribution Arrangement for use with WATS Access Line Service
 - g. Up to 7 Digit Out- pulsing of Access Digits to Customer.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

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

11 Transport Termination Optional Features

a. Rotary Dial Station Signaling

12. Local Transport Optional Features

a. Customer Specific Entry Receive Level

b. Customer Specification of Local Transport termination and Supervisory Signaling, as specified in Section 3.3.2.2, preceding.

13. WATS Access Line Service termination Optional Features

a. Answer Supervision

b. E&M Supervisory Signaling

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD)

1. FGD Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated 10XXX or 101XXXX access code for non-800 database and non-900 access services traffic, for the Customer's use in originating and terminating communications. To originate non-800 data base and non-900 intraLATA calls the 10XXX or 101XXXX access code must be dialed. FGD is provided at the Company designated end office switch(es) whether routed directly or through an access tandem switches. For FGD with the SS7 signaling option, the CCSA signaling connection is provided to Company designated STPs.
2. FGD is provided with trunk side switching through the use of end office or access tandem switch trunk equipment. The Company will establish a trunk group or groups for the Customer at the 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 arrangement may be combined in a single trunk group at the option of the Telephone Company.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

3. Uniform Access - The uniform access code for FGD switching is in the form 10XXX or 101XXXX. A single access code will be the assigned number of all FGD access provided to the Customer by the Telephone Company. No access code is required for calls which originate from a WAL service.
 - a. Where no access is required or available, the number dialed by the end user shall be a ten or eleven digit number for calls in the NANP. The form of the numbers dialed by the end user is NXX-XXXX, 0 or 1+NXX-XXXX, NPA+NXX-XXXX or 0 or 1+NPA+NXX-XXXX.
 - b. When the 10XXX or 101XXXX access code is used, FGD switching also provides for dialing the digit A0" for access to the Customer's operator, 911 for access to the Telephone Company's emergency reporting service or the end of dialing digit (#) for cut through access to the Customer premises.
 - c. Calls originating over a WAL service by the end user's dialing 800 + NXX - XXXX, 900 + NXX - XXXX, 1 + 800 + NXX - XXXX or 1 + 900 + NXX - XXXX will be routed to the switched access service of the 800 or 900 service provider. Calls originating over a WAL service by the end user's dialing assigned NXXs, local operator assistance (0-), service codes (611 or 911), Directory Assistance (411 or 555-1212 or NPA+555-1212), 10XXX and 101XXXX access codes will not be completed. All other calls originating over a WAL service will be routed over the particular Customer's FGD service used to provision the WAL service. These dialing provisions apply for WAL service not equipped with the option of, routing of IntraLATA calls over the Company for use with the WAL service.

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SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

4. Terminating Access -

FGD switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time and weather announcement services of the Telephone Company, community information service of an Information Provider and other Customer's services (by dialing the appropriate codes) when the services can be reached using valid NXXs codes.

- a. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by offices subtending the access tandem may be assessed.
- b. The Customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under the Company exchange service tariffs.
- c. Non-access charges will also be billed for calls from the 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.
- d. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), service codes (611 and 911) and 10XXX or 101XXXX access codes. Calls will not be completed to directory assistance (411 and NPA+555-1212) unless the FGD switching is combined with directory assistance switching. FGD may not be switched in the terminating direction to FGB or FGD.

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3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

5. Redirection of End User Dialed Calls - When a Customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the Customer's request and where facilities permit, the Company will, for a period of ninety (90) days, direct the calls dialed by the Customer's end users using the Customer's previous FGB 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 require the Customer to receive additional address signaling from the end user. Such calls will be rates as FGD.
6. Signaling - The switch trunk is provided with wink-start pulsing signals and answer and disconnect supervisory signaling or without SS7 signaling option is specified. FGD may be provided, at the Customer's option, with multifrequency addressing or common channel signaling. With multifrequency address signaling, up to twelve digits of the called party number dialed by the Customer's end user 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.
 - a. With common channel signaling, up to 12 digits of the called party number dialed by the Customer's end user dual tone multifrequency or dial pulse address signals will be provided by the Company equipment to the Customer's designated premises via a CCSA connection. The SS7 signaling option requires the Customer to order CCSA links.

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3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

7. Transmission Specifications - FGD is provided with either Type A, B, or Type C transmission specifications. When routed directly to the end office, either Type B or C is provided. When routed to an access tandem, only Type A is provided.

- a. Types A and B are provided with interface groups 2, 6, 7 and 9. Type A is provided on the transmission path from the access tandem to the end office.
- b. Type C is provided with interface group 1
- c. Type DA data transmission parameters are provided for the transmission path between the premises and the access tandem and between the access tandem and the end office. Type DB data transmission parameters are provided with FGD for the transmission path between the Customer's premises and the end office when directly routed to the end office.

8. Testing Capabilities

FGD is provided, in terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line.

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3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

9. Common Switching Options

- a. Alternate Traffic Routing (not available in designated electro-mechanical end offices).
- b. Automatic Number Identification (ANI).
- c. Band Advance Arrangement for Use with WAL service.
- d. Carrier Identification Parameter
- e. End Office End User Line Service Screening for Use with WAL Service.
- f. Hunt Group Arrangement for Use with WAL Service
- g. Multiple Trunk Routing
- h. Non-Hunting Number for Use with Hunt Group Arrangement
- i). Routing of IntraLATA calls to the Company for Use with WAL service.
- j. Service Class Routing
- k. Uniform Call Distribution Arrangement for Use with WAL service
- l. Uniform Call Distribution for Use with WAL service.

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3.3 Switched Access Service (Cont'd.)

3.3.3 Description of Switched Access (Cont'd.)

B. Feature Group D (FGD) (Cont'd.)

10. Transport Termination Optional Features

- a. Operator Trunk Assist Feature Arrangement
- b. Operator trunk Full Feature Arrangement

11. Local Transport Optional Features

- a. Common Channel Signaling
- b. Signaling System 7
- c. Supervisory Signaling

12. WAL Service Termination

- a. Answer Supervision
- b. E&M Supervisory

13. Other Optional Features

- a. WAL Service 10XXX or 101XXXX Capability is available with either originating or terminating only or two-way WAL service not equipped with the optional Feature, end office end user line service.
 - (i) Screening provides the capability for end users of such service to originate calls to FGD by dialing the appropriate 10XXX or 101XXXX access code. These calls will be routed to the switched access service Customer so designated which provides FGD to the end office (WSO) form which WAL service is provided. When the 10XXX or 101XXXX is used, FGD switching also provides for the end-of-dialing (#) for cut through access to FGD Customer's premises.

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3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company

A. Transmission Specifications

1. The Company will, upon notification by the Customer that the data parameters are not being met, conduct tests independently or in cooperation with the Customer, and take any necessary action to insure that the data parameters are met.
2. Each switched access service transmission path is provided with standard transmission specifications (Types A, B, and C). There are three types of transmission specifications. The standard for a particular transmission path is dependent on the switched access service arrangement, the entrance facility, the interface group and whether the service is directly routed or via an access tandem. Data transmission parameters are also provided with each switched access transmission path.

B. Network Management

1. The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and Customers are able to establish connections with little or no delay encountered within the Telephone Company.

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

B. Network Management (Cont'd.)

2. The Company maintains the right to apply protective controls (i.e., those actions such as call gapping, which selectively cancel the completion of traffic), over any traffic carried over its network, including that associated with a Customer's Switched Access service. 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.

a. 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 credit allowance for service interruption as set forth in section 2.6.

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3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

C. Design and Traffic Routing of Tandem Switched Trunks

1. For tandem switched access service which is ordered on a BHMC basis, the Company shall design and determine the selection of facilities from the serving wire center of the Customer premises to the access tandem, and to the subtending end offices.
 - a. The Company shall also decide if the capacity is to be providing originating only, terminating only, or two-way trunk groups.
 - b. The Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.
2. Selection of facilities and equipment and traffic routing of the service are based in standard engineering methods, available facilities and equipment, and the Company traffic routing plans.
 - a. If the Customer desires routing and directionality different from that determined by the Telephone Company, the Company will work cooperatively with the Customer in determining whether the service is to be routed directly to an end office or through an access tandem and also in determining the directionality of the service.
3. For tandem switched access service which is ordered on a per trunk basis, the Customer desired trunk directionality and / or traffic routing of the switched access switch are specified on the Customer's order for service.
 - a. The Company will determine the optimal network configuration based on the capacity ordered.
 - b. If the Customer desires routing or directionality different from the optimal configuration determined by the Telephone Company, the Company will work cooperatively with the Customer in determining the routing directionality of the service before establishing a firm order.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

D. Design Layout Report

At the request of the Customer, the Company will provide to the Customer the makeup of the facilities and services provided from the Customer's premises to the first point of switching. This information will be provided in the form of a design layout report. Design layout reports will also be provided for WAL service when specifically requested by the Customer. The design layout report will be provided to the Customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

1. Subject to the 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 interval and format.
 - a. 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).
 - b. These data do not include service performance data which are provided under other tariff sections, (e.g., testing service results).
 - c. If data is to be provided in other than paper format, the charges for such provisions will determined on an individual case basis.

E. Trunk Group Measurements Reports

Subject to availability, trunk group data in the form of usage in CCS, peg count and overflow, will be made available to the Customer, based on previously agreed to intervals. Regulations pertaining to this report are also contained in Section 3.3.5.B., following.

F. Determination of Number of End Office Transport Terminations

For analog entry switches, a termination will be provided for each transmission path provided. For digital entry switches, an equivalent termination will be provided for each transmission path provided.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

G. Design Blocking Probability

The Company will monitor the facilities used in the provision of switched access service to meet the following blocking criteria.

1. For FGB, the design blocking objective will be no greater than one percent between the point of termination at the Customer's premises and the first point of switching when the traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking. In the event, of 900 access service media simulated calling, the design blocking objective of not greater than one percent cannot be guaranteed.
2. For FGD, the design blocking objective will be no greater than one percent between the point of termination at the Customer's premises and the end office switch, whether the is directly routed without an alternate route or routed via an access tandem. Standard traffic engineering methods as set forth in SR-EOP-000191, trunk traffic engineering concepts and applications will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.
 - a. In the event of 900 Access service media stimulated calling, the design blocking objective of no greater than one percent cannot be guaranteed.
 - b. All service configurations will conform to the blocking objectives in this tariff except where the Company facility conditions cannot support the blocking objectives contained in this tariff; in such cases, blocking objectives that can be supported will be uniformly applied to all Customers.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

G. Design Blocking Probability (Cont'd.)

3. The Company will perform routine measurement functions for the capacity ordered, whether ordered in lines, trunks or BHMCs, in accordance with Company design blocking criteria, to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., BHMC, lines or trunks), be ordered by the Customer when additional paths are required to reduce the measured blocking to the designed blocking level.

4. Excessive Trunk Group Blocking

For FGD 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 thresholds. Excessive trunk group blocking occurs when the blocking thresholds are exceeded. The Customer will be notified by the Company to increase its capacity (BHMC or quantities of trunks) when excessive trunk group occurs on groups carrying FGD traffic. If the order for sufficient additional capacity to handle the Customer's traffic has not been received by the Company within fifteen days of the notification, the Company will bill the Customer for each overflow in the excess of the following chargeable thresholds.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

H. Measuring Access Minutes

1. Feature Group B Usage Measurement (Cont'd.)

- a. The measurement of originating 800 or 900 service call usage over FGB ends when the originating FGB entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's first point of termination, whichever is recognized first by the entry switch.
- b. For terminating calls over FGB, usage measurements begins when the terminating FGB entry switch receives answer supervision for the Terminating end user's end office, indicating the terminating end user has answered.
- c. The measurement of terminating call usage over FGB ends when the terminating FGB entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the entry switch.
- d. When any or all the usage over an unmeasured FGB trunk originates from or terminates to a WAL service and the total FGB recorded at the WSO exceeds the assumed usage(s) set forth preceding, the recorded usage will be billed to the Customer in lieu of the assumed usage.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.4 Responsibility of the Telephone Company (Cont'd.)

H. Measuring Access Minutes (Cont'd.)

2. Feature Group D Usage Measurement

For originating calls over FGD, except calls utilizing SS7 signaling option, usage measurement begins when the originating FGD entry switch receives the first wink start supervisory signal forwarded from the Customer's point of termination. The measurement of originating call usage over FGD ends when the originating FGD entry switch receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's point of termination, which ever is recognized first by the entry switch.

- a. For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.
- b. The measurement of terminating calls usage over FGD ends when the terminating FGD entry switch receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the entry switch.
- c. For calls originating FGD with the SS7 signaling option, usage measurement for direct trunks begins when the FGD entry switch sends an initial address message. Usage measurement for tandem trunks begins when the FGD entry switch receives an exit message.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.5 Obligations of the Customer

A. Facility Requirements

1. When ordering switched access service, the Customer must, at a minimum, specify the local transport entrance facility, either existing or new, to be used and whether direct trunked transport or tandem switched transport is to be furnished. When direct trunked transport is to be furnished, the Customer must also specify the direct trunked transport to be used, either existing or new.

B. Report Requirements

1. Customers are responsible for providing the following reports or notification to Telephone Company, when applicable.
 - a. Jurisdictional Reports - When a Customer orders switched access service for both interstate and intrastate use, the Customer is responsible for providing Jurisdictional Reports, from which charges will be apportioned.
 - b. Code Screening Reports - When a Customer orders service class routing, the report must indicate the number of trunks and / or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.
 - c. Trunk Group Measurement Reports - With the agreement of the Customer, trunk group data in the form of usage in CCS, peg count and overflow for its end of all access trunk groups, where technologically feasible, will be made available to the Telephone Company. This data will be used to monitor trunk group utilization and service performance and will be based in previously arranged intervals and format. Regulations pertaining to this report are also contained in Section 3.3.4.E., preceding.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.5 Obligations of the Customer (Cont'd.)

C. Supervisory Signals

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

D. Design of Switched Access Services

1. When a Customer orders switched access service on a per line basis, the Customer shall take reasonable steps to assure that sufficient access services have been ordered to handle traffic.

E. Determination of Number of Transmission Paths

1. For FGB and FGD when ordered on a per line or pre trunk basis the Customer must specify the number of transmission paths in the order for service.
 - a. A transmission path is a communications path with the frequency bandwidth of approximately 300 to 3000 Hertz or a derived communications path of frequency bandwidth of approximately 300 to 3000 Hertz provided over a high frequency analog facility or a high speed digital facility between a Customer's premises and a Company location.
 - b. The number of transmission paths will be developed using the total BHMC by traffic type (as described in Section 3.3.2.B., preceding) for the end offices for each feature group ordered from a Customer's premises. The total BHMC by type for the feature group 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 in the use of access tandem switches and end office switches, or the use of end office switches only, or the use of tandem switches only.

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.6 Rates Regulations

A. Monthly Rates

Monthly rates are flat recurring 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 apply only when a specific rate element is used. They are applied on a per access minute basis. Usage rates are accumulated over a monthly period.

C. Reserved

D. Reserved

ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.6 Rates Regulations (Cont'd.)

[Reserved for future use]

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.6 Rates Regulations (Cont'd.)

[Reserved for future use]

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ACCESS SERVICES TARIFF

SECTION 3 - DESCRIPTION OF SERVICES (CONT'D.)

3.3 Switched Access Service (Cont'd.)

3.3.6 Rates Regulations (Cont'd.)

E. Application of Rates and Charges (Cont'd.)

4. Application of Local Switching Rates and Charges

a. Usage

Local Switching rate is applied in a per minute of use.

“3rd Party” Switched Transport rates apply to terminating traffic that traverses a tandem switch that is not owned by the Company (the terminating carrier) or its affiliates. “End Office” Switched Transport rates apply to terminating traffic that traverses a tandem switch owned by the Company (the terminating carrier) or its affiliate. (N)

b. Dedicated Ports

(i) Dedicated End Office Trunk Port - a monthly rate applies per activated trunk for all trunk side services terminating at either analog or digital end offices.

(ii) A monthly rate applies per port for the point of termination to the signal switching capability of the STP.

3.4 800 Database Access Service

For purposes of administering the rules and regulations set forth in this tariff regarding the provision of 800 Data Base Access Service, except as otherwise specified, the term 800 Data Base Access Service shall include any of the following NPAs: 888, 877, 866, 855, 844, 833 and 822 as they become available to the industry.

800 Data Base Access Service is a service offering utilizing originating trunk side Switched Access Service. The Service provides for the forwarding of end user dialed 800 calls to a Company service Switching Point which will initiate a query to the data base to perform the Customer identification function. The call is forwarded to the appropriate Customer based in the dialed 800 number. The Customer has the option of having the dialed 800 number (e.g., 800-NXX-XXXX) or, if the 800 to POTS Number Translation feature is specified, a translated ten digit POTS number (i.e., NPA-NXX-XXXX) delivered to the Customer premises.

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By: Senior Regulatory Counsel
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ACCESS SERVICES TARIFF

SECTION 4 - RATES AND CHARGES

4.1 Billing Name and Address Service

4.1.1	Service Establishment Charge	Nonrecurring Charge \$150.00
4.1.2	Per Telephone Number by	Per Request
	Verbal Request	\$0.58
	Written Request	\$0.58

4.2 Switched Access Service, per access minute

	Originating 8YY	Originating Non-8YY	Terminating via UNE-P	Terminating via Company Facilities (3 rd Party Tandem Provider)	(C)
4.2.1	Local Switching				
	Local Switched Transport				
	Termination	*	\$0.000000	\$0.000000	
	Local Transport Facility, per mile	*	\$0.000002	\$0.000002	
	Tandem Switching	\$0.00100 (R)	\$0.001574	N/A	
	Transport Multiplexing (DS3 to DS1)	*	\$0.000000	\$0.000000	(C)
4.2.2	Local Switching				
	End Office Switching	\$0.002406	\$0.002406	\$0.000000	\$0.000000
	July 1, 2022 – June 30, 2023	\$0.001203 (R)			
	On and after July 1, 2023	\$0.000000 (R)			
	Shared End Office Trunk Port	\$0.001688	\$0.001688	\$0.000000	\$0.000000
	July 1, 2022 – June 30, 2023	\$0.008440 (R)			
	On and after July 1, 2023	\$0.000000 (R)			(C)
4.2.3	800 Database Access Service - Rate				
	Customer Identification Charge, per query		Rate		
	July 1, 2022 – June 30, 2023		\$0.00308		
	On and after July 1, 2023		\$0.0016400 (R)		(C)
			\$0.0002000 (R)		(C)
*	Rate included in 8YY Tandem Switching rate.				(C)

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ACCESS SERVICES TARIFF

SECTION 5 – VOIP-PSTN TRAFFIC

5.1 Identification and Rating of VoIP-PSTN Traffic

- 5.1.1 Scope - This section governs the identification of VoIP-PSTN Traffic that is required to be compensated at interstate access rates (unless the parties have agreed otherwise) by the Federal Communications Commission in its Report and Order in WC Docket Nos. 10-90, etc., FCC Release No. 11-161 (Nov. 18, 2011), as Amended or Revised ("FCC Order"). Specifically, this section establishes the method of separating such traffic (referred to in this tariff as "Relevant VoIP-PSTN Traffic") from the Customer's traditional intrastate access traffic, so that such Relevant VoIP-PSTN Traffic can be billed in accordance with the FCC Order. (T)
- 5.1.2 Rating of VoIP-PSTN Traffic - The Relevant VoIP-PSTN Traffic identified in accordance with this Section will be billed at rates equal to those tariffed for the Company's interstate switched access services as described in Section 6 and 13 of the Company's FCC access services tariff. Consistent with the FCC Order, charges are assessed by the Company for services provided by the Company and/or by any of its VoIP Provider Partner(s).
- 5.1.3 Calculation and Application of Percent-VoIP-Usage Factor – the Company will determine the number of Relevant VoIP-PSTN Traffic minutes of use ("MOU") to which interstate rates will be applied under subsection (B), above, by applying a Percent VoIP Usage ("PVU") factor to the total intrastate access MOU (however determined – either based on call detail information or PIU) exchanged between the Company and the Customer.

The PVU for traffic will be derived and applied as follows:

- A. The Customer will calculate and furnish to the Company a factor (the "PVU-A") representing the percentage of the total intrastate and interstate access MOU for traffic that the Customer exchanges with the Company in the State, that (a) is sent to the Company and that originates in IP format; or (b) is received from the Company and terminates in IP format. This PVU-A shall be based on information such as the number of the Customer's retail VoIP subscriptions in the state (e.g., as reported on FCC Form 477), traffic studies, actual call detail, or other relevant and verifiable information consistent with the FCC Order.
- B. Company will, likewise, calculate a factor (the "PVU-B") representing the percentage of the Company's total access MOU for traffic in the State that the Company originates or terminates in IP format. This PVU-B shall be based on information such as the number of the Company's retail VoIP subscriptions in the state (e.g., as reported on FCC Form 477), traffic studies, actual call detail, or other relevant and verifiable information consistent with the FCC Order.

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MDa1202

ACCESS SERVICES TARIFF

SECTION 5 – VOIP-PSTN TRAFFIC (CONT'D.)

(N)

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

5.1.3 (Cont'd.)

- C. The Company will use the PVU-A and PVU-B factors to calculate an over-all PVU factor that represents the percentage of total access MOU for service exchanged between the Company and the Customer that is originated or terminated in IP format, whether at the Company's end, at the Customer's end, or at both ends. The PVU factor will be calculated as the sum of: (A) the PVU-A factor and (B) the PVU-B factor times (1.0 minus the PVU-A factor).
- D. The Company will apply the over-all PVU factor to the total service intrastate access MOU exchanged with the Customer to determine the number of Relevant VoIP-PSTN Traffic MOUs for service.

Examples for PVU Factor Calculations:

(The calculation elements in these examples are generic.)

Example 1: The PVU-B is 10% and the PVU-A is 40%. The over-all PVU factor is equal to $40\% + (10\% \times 60\%) = 46\%$. The Company will bill 46% of the Customer's intrastate access MOU as VoIP-PSTN Traffic, pursuant to this Section of this Tariff.

Example 2: The PVU-B is 10% and the PVU-A is 0%. The over-all PVU factor is $0\% + (100\% \times 10\%) = 10\%$. The Company will bill 10% of the Customer's intrastate access MOU as VoIP-PSTN Traffic, pursuant to this Section of this Tariff.

Example 3: The PVU-A is 100%. No matter what the PVU-B factor is, the over-all PVU is 100%. The Company will bill 100% of the Customer's intrastate access MOU as VoIP-PSTN Traffic, pursuant to this Section of this Tariff.

(N)

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ACCESS SERVICES TARIFF

SECTION 5 – VOIP-PSTN TRAFFIC (CONT'D.)

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

5.1.3 (Cont'd.)

D. (Cont'd.)

Use of Default Percentages - Company

Where the Company's PVU-B is equal to the percentage of VoIP subscribers in the state based on the FCC's *Local Competition Report*, as released periodically, as set forth in paragraph 963 of the FCC Order (the "Default Percentage"), and the Customer's PVU-A is also equal to the Default Percentage, the PVU factor applicable to traffic exchanged between the Company and the Customer shall be the Default Percentage.

(T)

(T/D)

Default PVU Factors - Customer

If the Customer does not furnish the Company with a PVU factor pursuant to the preceding paragraph 5.1.3.A of this Section, the Company will utilize a PVU equal to the Company's PVU-B factor.

- 5.1.4 Initial PVU Factors - If the PVU factors are not available and/or cannot be implemented in the Company's billing systems by January 1, 2012, once the factors are available and can be implemented the Company will adjust the Customer's bills to reflect the PVUs retroactively to January 1, 2012. In calculating the initial PVUs, the Company will take the Customer-specified PVU-A into account retroactively to December 29, 2011, provided that the Customer provides the factor to the Company no later than July 31, 2012; otherwise, it will set the initial PVU equal to the PVU-B, as specified in subsection 5.1.3.B, above.

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ACCESS SERVICES TARIFF

SECTION 5 – VOIP-PSTN TRAFFIC (CONT'D.)

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

5.1.5 PVU Factor Updates - The Customer may update the PVU-A factor quarterly using the method set forth in subsection 5.1.3.A, above. If the Customer chooses to submit such updates, it shall forward to the Company, no later than 15 days after the first day of January, April, July and/or October of each year, a revised PVU-A factor based on data for the prior three months, ending the last day of December, March, June and September, respectively. The Company will use the revised PVU-A to calculate a revised PVU. The revised PVU factor will apply prospectively and serve as the basis for billing until superseded by a new PVU.

5.1.6 PVU Factor Verification - Not more than twice in any year, the Company may ask the Customer to verify the PVU-A factor furnished to the Company and Customer may ask the Company to verify the PVU-B factor and the calculation of the PVU factor. The party so requested shall comply, and shall reasonably provide the records and other information used to determine the respective PVU-A and PVU-B factor.

(N)

(N)

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