

SUPPLEMENT NO. 8
to
PA P.U.C. Tariff No. 4

PENN TELECOM, INC.

SWITCHED ACCESS SERVICES

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This Tariff Establishes Rates and Regulations
for Switched Access Services

CHANGES MADE BY THIS SUPPLEMENT

This tariff supplement is being filed to:

- Introduce tariff language and rates for Switched Access Rearrangement Charge
 - Section 6 - Page 112
 - Section 9 - Pages 140 and 142

- Revise the recurring and non-recurring rates for:
 - DS-1 Entrance Facility-Standard Channel Termination
 - Section 9 - Page 140

 - DS-3 Entrance Facility-Standard Channel Termination
 - Section 9 - Page 141

 - Direct Trunked Transport-Standard Channel Termination and Multiplexing
 - Section 9 - Page 142

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE6.1 General

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

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

6.1.1 Description and Provision of Switched Access Service Arrangements(A) Description

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

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.1 General6.1.1 Description and Provision of Switched Access Service Arrangements (cont'd.)(A) Description (cont'd.)(1) Feature Group B (FGB)

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

(2) Feature Group D (FGD)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.1 General (cont'd.)6.1.1 Description and Provision of Switched Access Service Arrangements (cont'd.)(B) Manner of Provision

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

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

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

(B) Manner of Provision (cont'd.)

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

6.1.2 Rate Categories

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

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

(A) Local Transport

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction and in the terminating direction, but not simultaneously.

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

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

- Entrance Facility
- Direct Trunked Transport
- Tandem Switched Transport

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.1 General (cont'd.)6.1.2 Rate Categories (cont'd.)(A) Local Transport (cont'd.)(1) Entrance Facility

The Entrance Facility rate element provides for the use of a communications path between a Customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Customer designated premises and the type of signaling capability, if any. Entrance Facility is available as High Capacity service.

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(2) Direct Trunked Transport

The Direct Trunked Transport rate elements provides for the use of a communications path between a serving wire center and an end office or serving wire center and a tandem on circuits dedicated to the use of a single Customer.

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(3) Tandem Switched Transport

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(3) Tandem Switched Transport (cont'd.)

(a) The Tandem Transport Facility component, if applicable, is contained in Section 9 following.

(b) The Tandem Transport Termination component, if applicable, is contained in Section 9 following.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(4) Interface Groups

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

- (a) Interface Group 6 provides DS1 level digital transmission at the point of termination at the Customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.2 Rate Categories (cont'd.)

(A) Local Transport (cont'd.)

(5) Optional Features

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

- Supervisory Signaling
- Customer Specified Entry Switch Receive Level
- Customer Specification of Local Transport Termination
- Multiplexing

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.1 General (cont'd.)6.1.2 Rate Categories (cont'd.)(B) End Office

The End Office rate category establishes the charges related to the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category consists of the Local Switching rate element.

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

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

The Local Switching component is contained in Section 9 following.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.1 General (cont'd.)6.1.2 Rate Categories (cont'd.)(C) Chargeable Optional Features

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

(1) Toll Free 800 Series Data Base Access Service

Toll Free 800 Series Data Base Access Service is provided to Customers in conjunction with originating FGD switched access service. When a 1+800+NXX-XXXX call is originated by an end user, the Company will utilize the Signaling System 7 (SS7) network to query an 800 data base to identify the Customer to whom the call will be delivered, time of day routing, day of week routing, specific date routing, geographic routing, and emergency routing. The Customer has the option of having the dialed 800 number (i.e., 800-NXX-XXXX) or, if the 800 Optional Features service is specified, a translated intralata 10 digit POTS number (i.e., NPA-NXX-XXXX) delivered to the Customer. Rates for Customer Identification and Delivery Charge, and 800 Optional Features are as set forth in Section 9 following.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.1 General (cont'd.)

6.1.3 Design Layout Report

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.2 Undertaking of the Company

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

6.2.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and Customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a Customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or Customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of service by the Customer, the Customer will be granted a Credit Allowance for Service Interruption as set forth in 3.8.1 preceding.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.2 Undertaking of the Company (cont'd.)6.2.2 Provision of Service Performance Data

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

6.2.3 Determination of Number of Transmission Paths

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.2 Undertaking of the Company (cont'd.)6.2.3 Determination of Number of Transmission Paths (cont'd.)

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

6.2.4 (Reserved for Future Use)6.2.5 (Reserved for Future Use)6.2.6 Trunk Group Measurement Reports

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.2 Undertaking of the Company (cont'd.)6.2.7 Design Blocking Probability

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

- (A) For Feature Group D, the design blocking objective will be no greater than one percent (.01) between the point of termination at the Customer's designated premises and the end office switch, whether the traffic is directly routed without an alternate route or routed via an access tandem.

Standard traffic engineering methods will be used by the Company to determine the number of transmission paths required to achieve this level of blocking.

- (B) The Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Company will recommend that additional capacity (i.e., busy hour minutes of capacity or trunks) be ordered by the Customer when additional paths are required to reduce the measured blocking to the designed blocking level. For the capacity ordered, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the threshold listed in the following tables.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.2 Undertaking of the Company (cont'd.)

6.2.7 Design Blocking Probability (cont'd.)

(B) (cont'd.)

- (1) For transmission paths carrying only first routed traffic direct between an end office and Customer's designated premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.2 Undertaking of the Company (cont'd.)

6.2.7 Design Blocking Probability (cont'd.)

(B) (cont'd.)

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.3 Obligations of the Customer

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

6.3.1 Report Requirements

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

(A) Jurisdictional Reports

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

6.3.2 Trunk Group Measurement Reports

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.3 Obligations of the Customer

6.3.3 Supervisory Signaling

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

6.3.4 Short Duration Mass Calling Requirements

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

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

6.3.5 Design of Switched Access Services

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups

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

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

6.4.1 Feature Group B (FGB)(A) Description

- (1) FGB Access, which is available to all Customers, provides trunk side access to Company end office switches with an associated uniform 950-XXXX access code. FGB trunk side access is provided for the Customer's use in originating communications from and terminating communications to an Interexchange Carrier's intrastate service or a Customer provided intrastate communications capability. The Customer must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communications is transported to another state.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)

- (2) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Company electronic end office switches. When provided via Company designated electronic access tandem switches, FGB switching is provided at Company electronic and electromechanical end office switches.
- (3) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start-pulsing signals and answer and disconnect supervisory signaling.
- (4) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.5, any other address signaling in the originating direction, if required by the Customer, must be provided by the Customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.1 Feature Group B (FGB) (cont'd.)

(A) Description (cont'd.)

- (5) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX. A uniform access code(s) will be assigned to the Customer for the Customer's domestic communications and another will be assigned to the Customer for its international communications, if required. These access codes will be the assigned access numbers of all FGB switched access service provided to the Customer by the Company.
- (6) The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGB switching is ordered. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Company.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.1 Feature Group B (FGB) (cont'd.)(A) Description (cont'd.)(7) (cont'd.)

Calls in the terminating direction will not be completed to the 950-XXXX access code, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), services codes 611 and 911 or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGB switching is combined with Directory Assistance (DA) switching. The combination of FGB Switched Access Service with DA service is provided as set forth in Section 9 following. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B and D.

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.1 Feature Group B (FGB) (cont'd.)(B) Optional Features

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

(1) Common Switching Options

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

(2) Transport Terminations Options

- (a) Rotary Dial Station Signaling

(3) Local Transport Options

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.1 Feature Group B (FGB) (cont'd.)

(B) Optional Features (cont'd.)

(4) Optional Features Provided in Local Tariffs

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

- Bill Number Screening

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.2 Feature Group D (FGD)(A) Description

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.2 Feature Group D (FGD) (cont'd.)

(A) Description (cont'd.)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.4 Provision and Description of Switched Access Service Feature Groups (cont'd.)6.4.2 Feature Group D (FGD) (cont'd.)(A) Description (cont'd.)(5) (cont'd.)

Additionally, non-access charges will also be billed for calls from a FGD trunk to another Customer's service in accordance with that Customer's applicable service rates when the Company performs the billing function for that Customer. Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGD switching is combined with Directory Assistance switching. The combination of FGD Switched Access Service with DA Service is provided as set forth in Section 9 following. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Group B.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.2 Feature Group D (FGD) (cont'd.)

(A) Description (cont'd.)

- (6) The Company will establish a trunk group or groups for the Customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Company.
- (7) The access code for FGD switching is a uniform access code of the form 101XXXX. A uniform access code(s) will be the assigned number of all FGD access provided to the Customer by the Company. No access code is required for calls to a Customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that Customer, as set forth in 7.4 following.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.2 Feature Group D (FGD) (cont'd.)

(A) Description (cont'd.)

(7) (cont'd.)

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

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

- (8) FGD switching will be arranged to accept calls or 101XXXX from exchange service locations without the need for dialing the 101XXXX uniform access code. Each exchange service line may be marked with a code to identify which 101XXXX code its calls will be directed to for interLATA service.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.2 Feature Group D (FGD) (cont'd.)

(A) Description (cont'd.)

- (9) When a Customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the Customer and the Company, the Company will direct calls dialed by the Customer's end users using the Customer's previous FGB access code to the Customer's FGD access service. The Customer must be prepared to handle normally dialed FGD calls, as well as calls dialed with the FGB access code which requires the Customer to receive additional address signaling from the end user. Such calls will be rated as FGD. The Company may, with 90 days' written notice to the Customer, discontinue this arrangement.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

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

6.4.2 Feature Group D (FGD) (cont'd.)

(B) Optional Features

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

(1) Common Switching Options

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

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement

(3) Local Transport Options

- (a) Supervisory Signaling
- (b) Signaling System 7 (SS7) Signaling
- (c) Toll Free 800 Series Data Base Access

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features

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

6.5.1 Common Switching Optional Features(A) Automatic Number Identification (ANI)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.1 Common Switching Optional Features (cont'd.)(A) Automatic Number Identification (ANI) (cont'd.)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.1 Common Switching Optional Features (cont'd.)(B) Up to 7 Digit Outpulsing of Access Digits to Customer

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

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

(C) Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a Customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or Service Access Code (e.g., 900). It is provided in suitably equipped end office or access tandem switches. It is available with Feature Group D.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.1 Common Switching Optional Features (cont'd.)(D) Alternate Traffic Routing

When the Customer orders both Direct Trunked Transport and Common Transport at the same end office, this option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a Customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. The Customer shall specify the last trunk CCS desired for the high usage group. It is provided in suitably equipped end office or access tandem switches. It is available with Feature Groups B and D.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.5 Optional Features

6.5.1 Common Switching Optional Features (cont'd.)

(E) International Carrier Option

This option allows for Feature Group D end offices or access tandem switches equipped for International Direct Distance Dialing to be arranged to forward the international calls of one or more international carriers to the Customer (i.e., the Company is able to route originating international calls to a Customer other than the one designated by the end user either through presubscription or 101XXXX dialing). This arrangement requires provision of written verification to the Company that the Customer is authorized to forward such calls. The written verification must be in the form of a letter of agency authorizing the Customer to order the option on behalf of the international carrier. This option is only provided at Company end offices or access tandems equipped for International Direct Distance Dialing and is available only with Feature Group D.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.5 Optional Features

6.5.1 Common Switching Optional Features (cont'd.)

(F) Flexible Automatic Number Identification

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

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.5 Optional Features

6.5.2 Transport Termination Optional Features

(A) Rotary Dial Station Signaling

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

(B) Operator Trunk, Full Feature Arrangement

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

6.5.3 Local Transport Option Features

(A) Customer Specified Entry Switch Receive Level

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.3 Local Transport Option Features (cont'd.)(B) Customer Specification of Local Transport Termination

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

(C) Supervisory Signaling

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

(D) Signaling System 7 (SS7) Signaling

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signaling information between the end office switch or the tandem office switching system and the Customer's designated premises. The signaling information is transmitted over facilities provided with the Signaling Transfer Point (STP) Access as specified in 6.5.3(E) following. This feature is available with FGD.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.3 Local Transport Option Features (cont'd.)(E) Toll Free 800 Series Data Base Access Service

Toll Free 800 Series Data Base Access Service is provided with FGD Switched Access Signaling Transfer Point (STP) Access is comprised of two parts; an STP Link and an STP Port. The STP Link is provided as a dedicated 56 Kbps out-of-band signaling connecting between the Customer's Signaling Point of Interface (SPOI) and the STP port on the STP.

The STP Access service is provisioned by a mated pair of STPs to ensure network availability and reliability. The Company shall not be held liable for service outages if the Customer employs technology related to the interconnection of signaling networks that does not adhere to generally accepted industry technical standards.

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

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

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.5 Optional Features

6.5.3 Local Transport Option Features (cont'd.)

(E) Toll Free 800 Series Data Base Access Service (cont'd.)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.3 Local Transport Option Features (cont'd.)(F) Multiplexing

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

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

Chargeable multiplexing arrangements may be ordered with an Entrance Facility at a SWC or a Direct Trunked Transport Facility at an end office of higher capacity or bandwidth.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.5 Optional Features6.5.3 Local Transport Option Features (cont'd.)(F) Multiplexing (cont'd.)(1) DS3 to DS1

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.6 Rate Regulations

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

6.6.1 Rate Zones

Rate zones are applicable to all Switched Access Service rate categories. In a given state, each Company wire center has been assigned to a rate zone as described in Section 3.7.2 preceding.

- Entrance Facility rates are dependent upon the zone assignment of the Serving Wire Center.
- Direct Trunked Termination and Tandem Transport Termination rates are dependent upon the assignment of the Serving Wire Center and the Company access tandem or the end office.
- Direct Trunked Transport and Tandem Transport that is computed between wire centers in different rate zones will be assigned the rates in the higher rate zone.
- Local Switching and Network Blocking rates will be determined by the designation of the end office.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.6 Rate Regulations (cont'd.)

6.6.2 Description and Application of Rates and Charges

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

(A) Recurring Rates

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

(B) Usage Rates

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.6 Rate Regulations (cont'd.)

6.6.2 Description and Application of Rates and Charges (cont'd.)

(C) Nonrecurring Charges

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

(1) Installation of Service

(a) A nonrecurring charge applies for each initial installation of an Entrance Facility. For each Entrance Facility of the same type, ordered at the same time, for the same date and from the same Customer premises to the same serving wire center, the applicable Entrance Facility nonrecurring charge will apply for each installation.

(b) A nonrecurring Installation Charge, as set forth in Section 9 following, applies to each Tandem Switched Transport Facility and Direct Trunked Facility installed. For Switched Services ordered on a busy hour minutes of capacity basis, the charge is applied only when the capacity ordered requires the installation of an additional trunk(s).

(2) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in change in physical location of the point of termination at a customer's premises or a customer's end user's premises.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves an actual physical change to the service.

(C)
|
(C)

(C) Indicates Change

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.6 Rate Regulations (cont'd.)

6.6.2 Description and Application of Rates and Charges (cont'd.)

(D) Application of Rates

(1) Entrance Facility Rates

One flat monthly Entrance Facility charge applies per Customer designated premises at which an Entrance Facility channel is terminated. This charge will apply even if the Customer designated premises and the serving wire center are located in the same building.

(2) Customer Identification Charge

The Toll Free 800 Series Data Base Access Service Customer Identification Charge applies for the identification of the appropriate Customer for Toll Free 800 Series Data Base Access Service. The charge is assessed to the Customer on a per query basis.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.6 Rate Regulations (cont'd.)6.6.3 Measuring Access Minutes

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

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

FGB and FGD access minutes or fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest access minute for each end office.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.6 Rate Regulations (cont'd.)6.6.3 Measuring Access Minutes (cont'd.)

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

The measurement of originating call usage over FGB ends when the originating FGB first point of switching receives disconnect supervision from either the originating end user's office, indicating the originating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

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

The measurement of terminating call usage over FGB ends when the terminating FGB first point of switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.6 Rate Regulations (cont'd.)6.6.3 Measuring Access Minutes (cont'd.)(B) Feature Group D Usage MeasurementOriginating Usage

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

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

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

The measurement of originating call usage over FGD provided with Multi-Frequency Signaling ends when the originating FGD first point of switching receives disconnect supervision from either the originating end user's end office, indicating the originating end user has disconnected, or the Customer's point of termination, whichever is recognized first by the first point of switching.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.6 Rate Regulations (cont'd.)6.6.3 Measuring Access Minutes (cont'd.)(B) Feature Group D Usage Measurement (cont'd.)Originating Usage (cont'd.)

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

Terminating Usage

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

For terminating calls over FGD, where measurement capability does not exist, terminating FGD usage is derived from originating usage.

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)

6.6 Rate Regulations (cont'd.)

6.6.3 Measuring Access Minutes (cont'd.)

(B) Feature Group D Usage Measurement (cont'd.)

Terminating Usage (cont'd.)

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

SWITCHED ACCESS SERVICES

Section 6 -- SWITCHED ACCESS SERVICE (Cont'd.)6.6 Rate Regulations (cont'd.)6.6.4 Network Blocking Charge

The Customer will be notified by the Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic. Excessive trunk group blocking occurs when the blocking thresholds as described in below are exceeded. If the order for additional capacity has not been received by the Company within 15 days of the notification, the Company will bill the Customer, at the rate set forth in Section 9 following:

BLOCKING THRESHOLDS

<u>Trunks in Service</u>	<u>1%</u>	<u>1/2%</u>
1-2	7.0%	4.5%
3-4	5.0%	3.5%
5-6	4.0%	2.5%
7 or greater	3.0%	2.0%

The 1% blocking threshold is for transmission paths carrying traffic direct (without an alternate route) between an end office and a Customer's premises. The 1/2% blocking threshold is for transmission paths carrying first routed traffic between an end office and a Customer's premises via an access tandem.