

ACCESS SERVICE

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 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 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's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2 following.

6.1.1 Switched Access Service Arrangements and Manner of Provision

Switched Access Services are differentiated by their technical characteristics, e.g., line side vs. trunk side connection at the Company entry switch, and the manner in which an end user accesses them in originating calling, e.g., with or without an access code. Following is a brief description of each type of service arrangement.

(A) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Company end office switches with an associated uniform 10XXX or 10XXXX access code for the customer's use in originating and terminating communications.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Switched Access Service Arrangements and Manner of Provision(Cont'd)(B) 800 Access Service

800 Access Service, which is available to all customers, is an originating offering utilizing PGD Switched Access Service. The service provides a customer identification function based on the dialed 800 Series number. The 800 Series includes 800, 888, 877, 866, 855, 844, 833, 822. This customer identification function could include additional call handling and destination features, such as; alternate carrier(s) and/or alternate destination(s), time-of-day, day-of-week, specific dates, originating NPA-NXX-XXXX, percent allocation, routing to a single carrier and destination from an area of service which is smaller than an area defined by an NPA-NXX.

When a 1 + 800 Series + NXX + XXXX call is originated by an end user, the Company will perform the customer identification function based on the dialed 1 + 800 Series + NXX + XXXX (ten digit screening) to determine the customer location to which the call is to be routed. Where 800 Series prefixes are not part of ten digit screening, the customer identification function will be performed based on the 800 Series + NXX digits only (e.g., Canada). If an 800 Series call originates from an end office not equipped to provide the SSP Data Base Query function, the call will be routed to an office at which the function is available. The SSP Data Base Query function will be available at the tandem and select end offices. Once customer identification has been established, the call will be routed to the customer.

Unless prohibited by technical limitations (e.g., different dialing plans), the customer's 800 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-800 Access Service traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for 800 Access Service.

When 800 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 800 Access Service traffic may be aggregated with or shown separately from the other traffic for billing purposes. When separate trunk groups are provided for 800 Access Service, usage will be billed separately.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories

The rate categories which apply to Switched Access Service are:

- Switched Transport (described in 6.1.2(B) following)
- Local Switching (described in 6.1.2(C) following)

(A) Switched Transport

The Switched Transport rate category establishes the charges related to the transmission and tandem facilities between the customer's premises and the end office switch(es) which may be a Remote Switching Module, where the customer's traffic is switched to originate or terminate the customer's communications. Mileage measurement rules are set forth in 6.5.7 following.

Switched Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user's end office switch to the customer's premises) and in the terminating direction (from the customer's premises to the end office switch), but not simultaneously. The voice frequency transmission path may comprise any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through the Company's access tandem switch or a TSP's access tandem switch, (2) the type of Direct-Trunked Transport and whether it will overflow to the Company's or a TSP's access tandem switch when service is directly routed to an end office, (3) the type of Entrance Facility, (4) the directionality of the service, and (6) when multiplexing is required, the hub(s) at which the multiplexing will be provided.

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6. Switched Access Service (Cont'd)6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)

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

Switched Transport is provided at the rates and charges set forth in 6.6.1 following. The description of these rates with respect to the different types of service is as set forth in 6.5.1 following.

(1) Switched Transport Facilities(a) Entrance Facility

An Entrance Facility provides the communication path between a customer's premises and the Company's serving wire center for that premises. The Entrance Facility is provided to a single customer and is available for use with all line side and trunk side Switched Access services. An Entrance Facility is provided even if the customer's premises and the serving wire center are located in the same building

(b) Direct-Trunked Transport Facility

A Direct-Trunked Transport facility provides the communications path between the serving wire center of a customer's premises and an end office, between the serving wire center of a customer's premises and the Company's Access tandem. Direct-Trunked Transport facilities are provided to a single customer. Direct-Trunked Transport facilities are available for use with all line side and trunk side Switched Access services.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)(1) Switched Transport Facilities (Cont'd)(c) Tandem-Switched Transport Facility

The Tandem-Switched Transport facility provides the communications path between the customer's serving wire center and the end office or between the tandem and the end office on circuits that are switched at an access tandem. Tandem-Switched Transport facilities are available for use with all trunk side Switched Access Services.

Tandem-Switched Transport charges consist of a Tandem-Switched Transmission charge (fixed and per mile minute of use charges) and a Tandem-Switching charge (per minute charge) where elements may apply independently of one another as described herein.

(d) Access Tandem Trunk Port

The Access Tandem Trunk Port is a monthly per port rate that provides a port for each dedicated trunk on the Serving Wire Center side of the access tandem.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)(2) Switched Transport Connections (Cont'd)

Switched Transport is comprised of specific connection types. These connections may be either analog or digital. Analog connections are differentiated by spectrum and bandwidth; digital connections are differentiated by bit rate. Depending on the spectrum, bandwidth or bit rate selected by the customer, multiplexing, as described in 6.1.2(B) (3), may also be required to allow interconnection with other Switched Transport facilities or to a Company switch.

With one exception, the customer may choose the Switched Transport connection comprising the Switched Transport facility. For the tandem to end office portion of Tandem-Switched Transport, the Company will determine the type of connection used.

Each type of connection is composed of specific channels which are provided for use with a Switched Access service. Each channel in a Switched Transport following types of connections are available for all Switched Transport facilities.

(a) Mercury 1.544 (DS1)

A Mercury 1.544 (DS1) provides 24 channels for the transmission of nominal 64.0 kbps or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)(b) Mercury 45 (DS3)

Mercury 45 (DS3) provides 28 Mercury 1.544s (DS1) or 672 DSO channels and provides for transmission of nominal 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. With Mercury 45 (DS3), customers may request to have an electrical interface installed at their customer premises. For DS3 connections utilizing an electrical interface, the customer will receive an electrical signal with a transmission speed of 44.736 Mbps per channel

(3) Multiplexing

Multiplexing provides the capability of converting the capacity or bandwidth of a Switched Transport facility from a higher level to a lower level or from a lower level to a higher level. Multiplexing is required when the customer requests to interconnect Entrance facilities, or Direct - Trunked Transport facilities of different capacities or bandwidths, i.e., DS1 to Voice Grade or DS3 to DS1.

When customers request to interconnect DS3 facilities with Company switches, DS3 to DS1 multiplexing is required at appropriately equipped end offices. Locations where multiplexing is available are specified in the NECA Tariff F.C.C. No. 4.

Customers ordering Tandem Switched Transport will incur a multiplexing charge for multiplexing on the Serving Wire Center side of the Access Tandem and a multiplexing charge for multiplexing on the End Office side of the Access Tandem.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)

(3) Multiplexing

Rates and charges for multiplexing are set forth in 6.6.1.

For each of the multiplexing options listed below, the multiplexer is associated with the Switched Transport facility with the higher capacity or bandwidth (e.g., a DS3 to DS1 multiplexer is associated with the facility DS3 connection).

(a) Mercury 45 (DS3) to Mercury 1.544 (DS1)

Available with all Switched Transport facilities using DS3 connections. Provides an arrangement that converts a DS3 signal to or from 28 DS1 channels. Conversion is accomplished using digital time division multiplexing.

(b) Mercury 1.544 (DS1) to Voice Grade

Available with all Switched Transport facilities using DS1 connections. Provides an arrangement that converts a DS1 connection to or from 24 voice grade channels. Conversion is accomplished using digital time division multiplexing.

(c) Common Multiplexing

Common Multiplexing is provided on a usage sensitive basis in conjunction with Tandem Switched Transport. Switched Access facilities are connected to the Tandem as DS1 circuits. Multiplexing is required to connect common switched facilities from DS3 to DS1.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)

(4) Chargeable Optional Features

(a) Common Channel Signaling Access Capability (CCSAC)

This option allows the customer to receive signals for call setup out-of-band. This option is only available with Feature Group D.

The Company will provide the CCSAC option in accordance with the technical specifications set forth in Technical Reference TR-TSV-000905 from properly equipped signaling elements in the Telephone Company CCS network.

This option requires the establishment of the required number of CCSAC signaling links between the customer's signaling point of interconnection and each of the Telephone Company's designated Signaling Transfer Points (STPs) and STP Port Terminations. The STP locations are set forth in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. The customer will have the option of ordering a Signaling Link provisioned over a dedicated Mercury 1.544 (DS1) Facility or over a 56 Kbps DDS channel.

(b) Carrier Identification Parameter (CIP)

The CIP Optional Feature provides for the delivery of the Carrier Identification Code (CIC) within the Initial Address Message (IAM) SS7 call setup protocol. CIP is available with originating Feature Group D Switched Access Service from certain end offices and from the access tandem. Customers should contact the Company

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)

(4) Chargeable Optional Features

(b) Carrier Identification Parameter (CIP) (Cont'd)

to determine where CIP is available. This feature requires the customer to purchase or use already established CCSAC signaling links between the customer's signaling point of interconnection and each of the Company's designated STPs and STP Port Terminations, as described in Section 6.1.2(B)(4)(a). The rates for the CIP Optional Feature are described in Section 6.6.1(I).

(c) Signaling for Tandem Switching

This option allows any interested third party, including competitive access providers (CAPS), interexchange carriers (IXCs), and end users, to receive signaling information necessary to provide tandem signaling. Signaling for tandem switching provides the carrier identification code (CIC) and the OZZ code (or the CRTD code for SS7) to the Tandem Switch Provider (TSP). The CIC identifies the IXC to receive the call, and the OZZ identifies the IXC trunk group to which traffic should be routed. This option is available only with Feature Group D (FGD).

The customer may choose to have this option provided with Multifrequency or Common Channel Signaling.

When tandem switching is provided by a TSP, the TSP will be required to order one-way

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(B) Switched Transport (Cont'd)

(4) Chargeable Optional Features

(c) Signaling for Tandem Switching (Cont'd)

direct-trunks between the desired Company end offices and the TSP's access tandem switch. These one-way trunks will be billed as direct-trunks to the TSP.

Either the TSP or the IXC using the TSP as its access tandem provider, may be the customer for the remaining FGD usage charges i.e., carrier common line, local switching, information surcharge and the interconnection charge. The signaling nonrecurring charge, described in Section 6.5.1(C), will be assessed to the TSP. Any link between the TSP's access tandem switch and an IXC Point of Presence (POP) location may be purchased from the Company's special access section in this tariff.

If an IXC wishes to move their traffic to a TSP's access tandem switch, the TSP must provide the Company with a written letter of authorization (LOA). If a TSP contacts the Company on behalf of an IXC to move the IXC traffic from the Company access tandem switch to a TSP access tandem switch, the IXC must provide the Company an LOA.

If the IXC is the customer of record, for terminating usage, the IXC's TSP of choice is obligated to provide the Telephone Company with all billing detail needed to accurately count and bill usage. The requirements for providing this billing data are described in the following paragraphs.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2 Rate Categories (Cont'd)(C) Local Switching

This rate category provides for (1) local end office switching, i.e., the common switching functions associated with the various Switched Access Service arrangements, (2) the termination of switched transport at end offices, and (3) 800 Data Base Queries. This category includes usage sensitive rates and both chargeable and nonchargeable optional features.

- (a) Local Switching applies on a per minute of use basis, providing local switching functions for FGD, and 800 Access Service. Where end offices are appropriately equipped, international dialing may also be provided a capability of Local Switching, i.e., the capability of switching international calls with service prefix and address codes having more digits than can be switched through a standard FGD end office.
- (b) 800 Access Service, Data Base Query Charge and Routing Options Capability apply on a per query basis and are originating offerings utilizing FGD. These services provide customer identification and additional call handling and destination features (i.e., time of day, day of week, etc.).

(1) Usage Sensitive Rates (Cont'd)

The description of these rates is set forth in 6.75 following.

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.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.4 Acceptance Testing

At no additional charge, the Company will, at the customer's request, cooperatively test, at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling.

At no additional charge, the Company will, at the time of installation of Feature Group D with the 64CCC Local Transport option trunks, perform the Digital Trunk Acceptance Tests described in TR-TSV-000905.

6.1.5 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 5 (Ordering Options For Switched and Special Access. Rate elements for Switched Access Services are defined in 6.6.

6.1.6 CCSAC Testing Requirements

When Feature Group D with CCSAC option is ordered, network compatibility and other operational tests will be performed cooperatively by the Company and the customer. These tests are as specified in Technical Reference TR-TSV-000905.

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6. Switched Access Service (Cont'd)6.2 Local Switching6.2.1 Common Switching Optional features(A) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls within the LATA, and for the completion only of calls to 611, 911, 800, 555-1212, and a Telephone Company specified set of NXXs within the Telephone Company local exchange calling area of the dial tone office in which the arrangement is provided. All other "toll" calls are routed to a reorder tone or recorded announcement.

(B) Uniform Call Distribution Arrangement

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

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

This option provides an arrangement for an individual line within a multiline hunt or uniform call distribution group that provides access to that line within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is provided in Company electronic end offices only.

(D) Automatic Number Identification (ANI)

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

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6. Switched Access Service (Cont'd)6.2 Local Switching (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(E) Automatic Number Identification (ANI) (Cont'd)

The ten digit ANI telephone number is only available with Feature Group D with multifrequency address signaling. When the CCSAC optional feature is specified, the customer may obtain an ANI equivalent by ordering the charge number (CN) optional feature as specified in 6.3.1 (K) following. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as ANI failure, in which case only the NPA will be transmitted (in addition to the information digits described below).

Also, ANI Information Indicator (ANI II) digits or Flexible ANI information digits will be provided to the customer along with the ten digit ANI telephone number.

- (1) The ANI Information Indicator (ANI II) digits identify: (1) telephone number is the station billing number - no special treatment required, (2) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (3) hotel/motel originated call which requires room number identification, (4) coinless station, hospital, inmate, etc., call which requires special screening or handling by the customer, and (5) Local Exchange Company Coin.

ANI information digits are either 00, 01, 02, 06, 07, 20, or 27.

Customers who subscribe to ANI, may also elect to obtain expanded ANI digits, 52 for WATS, at no additional charge. Expanded ANI digits, 52 for WATS was previously provided in this tariff under the name Flexible ANI.

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6. Switched Access Service (Cont'd)6.2 Local Switching Optional Features (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(E) Automatic Number Identification (ANI) (Cont'd)

- (2) Flexible Automatic Number Identification (Flex-ANI)
The Flex-ANI feature is an Optional Switching Feature and enhancement to ANI. The feature is available on inband signaling or in the Originating Line Information Parameter in the Basic Initial Address Message (IAM) Delivery optional feature for SS7 signaling. Flex-ANI provides additional values for the Information Indicator (ii) digits that are associated with various classes of service not available with the standard ANI digits. The customer must have ANI in order to have Flex-ANI or may order the features simultaneously.

The following Flex-ANI are currently available:
29 Confinement/Detention Facility
70 Private Pay stations

All ii codes will be delivered to the customer when Flex ANI is ordered.

Flexible ANI information digits must be ordered per Carrier Identification Code (CIC), per End Office and must be provisioned in conjunction with the ANI optional feature.

(F) Cut-Through

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 10XXX or 10XXXX code upon receipt of the end of dialing digit (#). The Company will not record any other dialed digits for these calls. This option is available with Feature Group D.

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6. Switched Access Service (Cont'd)6.2 Local Switching Optional Features (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(G) 900/976 Call Blocking

This option, where available, allows for the screening of terminating calls within the LATA for the purpose of blocking 900/976 or "dial-it" type calls only. 900/976 calls are routed to a reorder tone or to a recorded announcement. This option is available with Feature Group A. 900/976 Call Blocking, Call Denial and Service Code Denial are mutually exclusive. 900/976 Call Blocking blocks 1+900 and 976 dialed calls.

(H) Calling Party Number (CPN)

This option 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. The ten digit telephone number consists of the NPA plus the seven digit telephone number, which may or may not be the same number as the calling station's charge number. The ten digit telephone number will be coded as presented, or restricted via a "Privacy Indicator" for delivery to the called end user. The specific protocol for CPN is contained in Technical Reference TR-TSV-000905. This feature is available with Feature Group D when the CCSAC option is specified.

(I) Charge Number (CN)

This option provides for the automatic transmission of the ten digit billing number of the calling station number and originating line information. The specific protocol for CN is contained in Technical Reference TR-TSV-000905. This feature is available with Feature Group D when CCSAC is specified.

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6. Switched Access Service (Cont'd)6.2 Local Switching Optional Features (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(J) Carrier Selection Parameter (CSP)

This option provides for the automatic transmission of a signaling indicator which signifies to the customer whether the call being processed originated from a presubscribed end user of that customer. The specific protocol for CSP is contained in Technical Reference TR-TSV-000905. This feature is available with Feature Group D when CCSAC is specified.

(K) 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 or hotel/motel), service prefix indicator (e.g., 0-, 0+, 01+ or 011+) or service access code (e.g., 800). It is provided in suitably equipped end office or access tandem switches and is available with Feature Group D.

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6. Switched Access Service (Cont'd)6.2 Local Switching (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(1) Alternate Traffic Routing(1) Multiple Customer Premises Alternate Routing

This option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to a second customer designated premises. It is provided in suitably equipped end office or access tandem switches and is available with Feature Group D.

(2) End Office Alternate Routing

This option provides an alternate routing arrangement for customers who 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 customers originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group or to a TSP's access tandem group. It is provided in suitably equipped end offices and is available with Feature Group D.

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6. Switched Access Service (Cont'd)6.2 Local Switching (Cont'd)6.2.1 Common Switching Optional Features (Cont'd)(M) Originating Line Number Screening Service (OLNS)

OLNS Service provides information concerning the nature of the subscriber's line from which a call originates. OLNS service sends a two digit code with the Automatic Number Identification (ANI) at the beginning of a call to the Interexchange Carrier (IXC) and Operator Service Provider (OSP). When an IXC or OSP receives a call, it can use the information about the nature of the originating location (i.e., whether prison inmate or private payphone) to determine whether to allow the call to be billed to the originating line or require another form of payment, such as a calling card.

The two digits sent are either Automatic Number Identification Information Indicators (ANI II) or Flexible Automatic Number Identification (Flex-ANI). The charge for OLNS is recovered from the IXC and OSP through the Flex-ANI charge.

(N) 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 10XXX or 10XXXX 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. It is available with Feature Group D.

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6. Switched Access Service (Cont'd)6.3 Obligations of the Company

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

6.3.1 Network Management

The Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Company network. The Company maintains the right to apply protective controls, i.e., those actions, such as call gapping, which selectively cancel the completion of traffic, over any traffic carried over its network, including that associated with a customer's Switched Access Service. Generally, such protective measures would only be taken as a result of occurrences such as failure or overload of Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of service by the customer, the customer will be granted a Credit Allowance for Service Interruption as set forth in 2.4.3 preceding.

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6. Switched Access Service (Cont'd)6.3 Obligations of the Company (Cont'd)6.3.2 Design and Traffic Routing of Switched Access Service

For Switched Access Service, ordered on a per line or per trunk basis, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are specified on the customer's order for service. Also, the customer must specify the Switched Transport facilities to be used (i.e., Entrance Facility, or Electronic Cross-Connect, Direct-Trunked Transport facility, and Tandem-Switched Transport facility). When specifying the Switched Transport facilities to be used, the customer must indicate if the facilities are existing or new.

The Company will be responsible for selection of facilities from the interface to any switching point and to the end offices where capacity is ordered.

6.3.3 Determination of Number of Transmission Paths

The following applies to switched access voice transmission paths, and does not apply to CCSAC signaling links and STP Port Terminations provided with the CCSAC option. For determination of the number of CCSAC signaling links and STP Port Terminations required to handle its signaling traffic, the customer shall work cooperatively with the Company.

For Switched Access Service which is ordered on a per line or per trunk basis, the customer specifies the number of transmission paths in the order for service. A transmission path is a communication path within the frequency bandwidth of approximately 300 to 3000 Hz or a derived communication path of a frequency bandwidth of approximately 300 Hz to 3000 Hz provided over a high frequency analog facility or a high speed digital facility between a customer's premises and a Company location.

6.3.4 Determination of Number of End Office Transport Terminations

For analog entry switches, a termination will be provided for each feature group line or trunk requested. For digital entry switches, an equivalent termination will be provided for each feature group line or trunk requested.

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6. Switched Access Service (Cont'd)6.4 Obligations of the Customer

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

(A) Substantial Call Volume

When a customer offers services for which a substantial call volume is expected during a short period of time (e.g., media stimulated events), the customer must notify the Company of the anticipated demand for each peak period. For events scheduled during weekends or holidays, the Company must be notified no later than 5:00 p.m. local time the second prior business day. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the NPA NXX line number(s) to be used.

On the basis of the information provided, the Company may invoke network management controls if required to reduce the probability of excessive network congestion. The Company will work cooperatively with the customer to determine the appropriate level of such control.

Failure to provide prescribed notification may result in customer caused network congestion, which could result in discontinuation of service under section 2.2 and/or damages under paragraph 2.3.1.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Obligations of the Customer (Cont'd)

6.4.1 Supervisory Signaling

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

6.4.2 Trunk Group Measurement Reports

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

6.4.3 Design of Switched Access Services

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

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Regulation (cont'd)

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

6.5.1 Description of Rates and Charges

There are four types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, Usage rates, nonrecurring charges, and payment plans for Mercury 1.544 (DS1) service. These rates and charges are applied differently to the various rate elements as set forth following.

(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 are rates that apply only when a specific rate element is used. These are applied on a per occurrence (e.g., query, access minute, access minute fixed and per mile basis. Usage rate charges are accumulated over a monthly period.

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, service rearrangements, and Signaling for Tandem Switching

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6. Switched Access Service (Cont'd)

6.5 Rate Regulation (cont'd)

6.5.1 Description of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

Nonrecurring charges apply to each Switched Access Service installed as follows:

- Per Line or Per Trunk
- Per Entrance Facility (DS1 or DS3)
- Per Multiplexer ordered

(D) Payment Plans for Mercury 1.544 (DS1) Service

The Optional Payment Plan (OPP) is a provision that allows a customer to pay a fixed rate for specific Mercury 1.544 (DS1) Service over a 36 or 60 month payment period. During the effective term, monthly rates for services installed under this arrangement will not be subject to Company initiated rate changes.

Mercury 1.544 (DS1) rates and charges for which the OPP is available are listed in 6.8.2 following.

During a customer's OPP term, the customer shall pay current rates provided they do not exceed the original rate contracted for by the customer, and conversion may be made to a new OPP term of the same or different length. If the expiration date for the new service or OPP term is beyond the end of the original OPP term, the remaining OPP charges for the original term will not apply.

At the expiration of the OPP term and if the customer wishes to continue Mercury 1:544 (DS1) Service the customer may elect:

- Prevailing month-to-month tariff rates
- A new OPP at the prevailing OPP rate, if available

The customer continues to receive the OPP rate on a month-to-month basis for a period of up to six months following the completion of the term. After the six months, the rates will automatically revert to the month-to-month rates.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Regulation (cont'd)6.5.1 Description and Application of Rates and Charges (Cont'd)(D) Payment Plan for Mercury 1.544 (DS1s) Service (Cont'd)

During an OPP term, a customer may move one Entrance Facility service to another location while keeping the OPP in force, provided the customer and customer's end user remain the same and no lapse in service occurs.

The Minimum Period for service provided under an OPP is the same as the OPP term selected by the customer (i.e. 36 or 60 month payment period). The Minimum Period for service provided under the month-to-month payment arrangement is 1 month for Mercury 1.544 (DS1).

Customers requesting termination of service prior to the expiration date of the Minimum Period will be liable for payment of a Minimum Period Charge. The Minimum Period Charge for all OPP terms will be calculated as follows:

- The service that is in place less than 12 months the customer would pay the monthly rate for the service.
- The dollar difference between (a) the current OPP rate for the OPP term that could have been completed during the time the service was actually in service, and (b) the customer's current OPP rate for each month the service was provided.

For example, a customer subscribed to a 60 month OPP term and disconnected service during the 39th month. This customer's minimum period charge would be:

[36 month OPP rate - 60 month OPP rate] X 39 = Minimum Period Charge.

The 36 month OPP term could have been completed during the months the service was actually in service.

All minimum period charges will be based on the OPP rates in effect at the time of termination.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.1 Description of Rates and Charges (Cont'd)(E) Nonrecurring Charges (Cont'd)(1) Service Rearrangements

Service rearrangements are changes to existing services installed which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding or a change in the physical location of the point of termination at a customer's premises or a customer's end user's premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 6.5.7 following.

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.

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name.

ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.1 Description of Rates and Charges (Cont'd)(E) Nonrecurring Charges (Cont'd)(2) Service Rearrangements (Cont'd)

- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If, due to technical limitations of the Company, a customer could not combine its 800 Access Service traffic with its other trunk side Switched Access Service, no charge will apply to combine these trunk groups when it becomes technically possible.
- If the change involves the conversion of existing Feature Group D service with multifrequency address signaling to Feature Group D with the CCSAC option, a service rearrangement charge, as set forth in 6.6.2, will apply for the first trunk converted in a trunk group, and an additional trunk rearrangement charge, as set forth in 6.6.2, will apply for each additional trunk in the same trunk group.
- For all other changes, including the addition of, or modifications to, optional features a charge equal to the Switched Transport nonrecurring (i.e., installation) charge will apply. When an optional feature is not required on each transmission path, but rather for an entire transmission path group,

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.1 Description of Rates and Charges (Cont'd)(E) Nonrecurring Charges (Cont'd)(1) Service Rearrangements (Cont'd)

an end office or an access tandem switch, only one such charge will apply (i.e., it will not apply per transmission path). When the CCSAC option is elected, the customer may add Calling Party Number (CPN), Charge Number (CN), and Carrier Selection Parameter (CSP) at no additional charge if these features are specified at the time the CCSAC option is ordered for existing switched access trunks.

- In compliance with FCC Docket No. 91-213 Report and Order, Adopted September 17, 1992, no Switched Transport nonrecurring charges will apply for service connection when an interexchange carrier converts trunks from tandem-switched transport to direct-trunked transport or from direct-trunked transport to tandem-switched transport, or for movement between Voice Grade, DS1 or DS3 facilities. The customer, however, must maintain the same Point of Termination (POT) location to receive the waiver. This waiving of Switched Transport nonrecurring charges remains in effect until six months from the effective date of the Local Transport Restructure tariff.

(2) Signaling for Tandem Switching

A nonrecurring charge as specified in 6.6.2 following applies when a TSP request signaling information for the provision of tandem switching. The nonrecurring signaling charge applies per CIC routed over a TSP's trunk group, by Telephone Company end office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.1 Description of Rates and Charges (Cont'd)(F) Local Switching Ports

(1) Local Switching Common Port

The Local Switching Common Trunk Port minutes-of-use rate provides for the use of the shared end office trunk ports for termination of common transport trunks for tandem routed traffic.

(2) Local Switching Dedicated Trunk Port

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

6.5.2 Minimum Periods

Switched Access Service is provided for a minimum period of one month.

6.5.3 Minimum Monthly Charge

Switched Access Service is subject to a minimum monthly charge. The minimum charge applies for the total capacity provided. The minimum monthly charge consists of the following elements:

The minimum monthly charge for the Tandem-Switched Transmission and Tandem-Switching rate elements is the sum of the charges set forth in 6.6.2 following for the measured usage for the month.

The minimum monthly charge for Entrance Facilities and Direct-Trunked Transport rate elements is the sum of the charges set forth in 6.6.1 following.

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6. Switched Access Service (Cont'd)

6.5 Rate Regulations (Cont'd)

6.5.4 Moves

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

- The point of termination at the customer's premises
- The customer's premises

The charges for the move are identical whether the move is to a new location within the same building or to a different building.

All Moves will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued services.

6.5.5 Measuring Access Minutes

Customer traffic to end offices will be measured by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured by the Company to determine the basis for computing chargeable access minutes.

For terminating calls over FGD, where the off-hook supervisory signal is provided by the customer's equipment the measured minutes are the chargeable access minutes.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.5 Measuring Access Minutes (Cont'd)

- Step 1: Obtain recorded originating minutes and messages (measured as set forth in (A) following for FGA where the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers) from the appropriate recording data.
- Step 2: Obtain the total attempts by dividing the originating measured messages by the completion ratio. Completion ratios (CR) are obtained separately for the major call categories such as DDD, 800, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgement from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.
- Step 3: Obtain the total non-conversation time additive (NCTA) by multiplying the total attempts (obtained in Step 2) by the NCTA per attempt ratio. The NCTA per attempt ratio is obtained from the sample study identified in Step 2 by measuring the non-conversation time associated with both completed and uncompleted attempts. The total NCTA is the time on a completed attempt from customer acknowledgment of receipt of call to called party answer (set up and ringing) plus the time on an uncompleted attempt from customer acknowledgment of call until the access tandem or end office receives a disconnect signal (ring - no answer, busy or network blockage). That is, Total Attempts times Non-Conversation Time per Attempt Ratio equals Total NCTA.
- Step 4: Obtain total chargeable originating access minutes by adding the total NCTA (obtained in Step 3) to the recorded originating measured minutes (obtained in Step 1). That is, Measured Minutes plus NCTA equals Chargeable Originating Access Minutes.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.5 Measuring Access Minutes (Cont'd)

Following is an example which illustrates how the chargeable originating access minutes are derived from the measured originating minutes using this formula.

Where: Measured Minutes (M. Min.) = 7,000
 Measured Messages (M. Mes.) = 1,000
 Completion Ratio (CR) = .75
 NCTA per Attempt = .4

$$(1) \text{ Total Attempts} = \frac{1,000(\text{M. Mes.})}{.75 (\text{CR})} = 1,333.33$$

$$(2) \text{ Total NCTA} = .4 (\text{NCTA per Attempt}) \times 1,333.33 = 533.33$$

$$(3) \text{ Total Chargeable Originating Access Minutes} = 7,000(\text{M. Min}) + 533.33(\text{NCTA}) = 7,533.33$$

FGD access minutes or fractions thereof are accumulated over the billing period. The exact value of the fraction is a function of the switch technology where the measurement is made. FGD access minutes are accumulated for each end office.

When determining chargeable access minutes the accumulated access minutes or fractions thereof are rounded up to the nearest access minute.

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6. Switched Access Service (Cont'd)6.7 Rate Regulations (Cont'd)6.5.5 Measuring Access Minutes (Cont'd)(A) Feature Group D Usage Measurement

For originating calls over FGD with multifrequency address signaling, usage measurement begins when the originating FGD entry switch receives the first wink supervisory signal forwarded from the customer's point of termination. For originating calls over FGD with CCSAC, usage measurement begins when the last point of switching sends the initial address message to the customer.

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

For terminating calls over FGD, the measurement of access minutes begins when the terminating FGD entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

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

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.6 Network Blocking Charge for Feature Group D

The customer will be notified by the Company to increase its capacity (quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group D traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated below are exceeded. They are predicated on time consistent, hourly measurements over a 30 day period excluding Saturdays, Sundays and national holidays. If the order for additional capacity has not been received by the Company within 15 days of the notification, the Company will bill the customer, at the rate set forth in 6.6.1(D) following, for each overflow in excess of the blocking threshold when (1) the average "30 day period" overflow exceeds the threshold level for any particular hour and (2) the "30 day period" measured average originating or two-way usage for the same clock hour exceeds the capacity purchased.

Blocking Thresholds

| <u>Trunks in Service</u> | <u>1%</u> | <u>1/2%</u> |
|--------------------------|-----------|-------------|
| 1-2 | .070 | .045 |
| 3-4 | .050 | .035 |
| 5-6 | .040 | .025 |
| 7 or greater | .030 | .020 |

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

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.7 Mileage Measurement

The mileage to be used to determine monthly rates for Switched Transport rate elements is calculated on the airline distance between the end office switch where the call carried by Switched Transport originates or terminates and the customer's serving wire center, except as set forth in (A) through (E) following. The V&H coordinates method is used to determine mileage. This method is set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4 for Wire Center Information (V&H coordinates).

Exceptions to the mileage measurement rules are as follows:

- (A) When Switched Transport facilities of different capacities or bandwidths are interconnected by a multiplexer at a location other than the serving wire center, mileage is determined using the V&H coordinates method following:
 - (1) When only one multiplexer is involved, mileage for Direct-Trunked Transport is measured separately from the serving wire center to the hub where multiplexing occurs and then measured from the hub to the end office where the call is switched to originate or terminate.
 - (2) When more than one multiplexer is used, mileage for Direct-Trunked Transport is measured successively from the serving wire center to the first hub, from the first hub to the second hub and then from the second hub to the end office where the call is switched to originate or terminate.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.7 Mileage Measurement (Cont'd)

- (B) When Direct-Trunked Transport is provided to a Host/Remote arrangement, Direct-Trunked Transport rates apply and mileage is calculated using the V & H coordinate method between the customer's serving wire center and the Host office serving the Remote Office. When Tandem-Switched Transport is provided to a Host/Remote arrangement, Tandem-Switching Transmission rates and Tandem-Switched rates apply. Tandem-Switched Transport mileage is calculated using the V & H coordinate method between the customer's serving wire center and the Host office for both Direct-Trunked Transport and Tandem-Switched Transport to a Host/Remote arrangement, the Tandem-Switching Transmission rate will apply separately from the Host office to the Remote office. The Inter-connection charge will apply to both Direct and Tandem access minutes of use. Remote end offices are set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4.
- (C) When Direct-Trunked Transport is provided for line side Switched Access Service both Direct-Trunked Transport and Tandem-Switched Transmission rates apply. Direct-Trunked Transport applies to both originating and terminating usage and mileage is calculated using the V&H Coordinates method between the customer's serving wire center and the end office switch where the dial tone for the line side Switched Access Service is provided. Tandem-Switched Transmission applies only to terminating usage and mileage is calculated using the V&H coordinate method between the dial tone office and the end office where the call is switched to terminate.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.7 Mileage Measurement (Cont'd)

- (D) The Alternate Traffic Routing optional feature is provided with Feature Group D to provide service from an end office to different customer premises locations. For Feature Group D traffic routed via an access tandem, such apportionment be made using standard Company traffic engineering methodology and will be based on the last trunk hundred call seconds desired for the high usage group, as described in 6.2.1(J) preceding, and the relative capacity ordered to the end office, when the feature is provided at an end office switch, or to the subtending end offices when the feature is provided at an access tandem switch. This apportionment will serve as the basis for the Switched Transport Tandem-Switching Transmission mileage calculation. The customer will be billed accordingly.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.8 Shared Use

Shared use occurs when Switched Access Service and Special Access Service, including CCSAC signaling connections, are provided over the same analog or digital high capacity facility through a common interface.

Shared Use facilities are ordered, provided and rated either as Switched Access or Special Access. Ordering, provisioning and rating of Special Access Shared Use facilities is set forth in 7.3.6 following. Ordering, provisioning and rating of Switched Access Shared Use facilities is as follows.

- (A) Switched Access facilities are ordered, provided and rated as Switched Access only in cases where the facility is used for Switched Access only. In the event that a Special Access circuit is added to a switched facility, the facility will then be provisioned as a special access facility.
- (B) Then ordered as Switched Access, the nonrecurring charges that apply when the Switched Access Shared Use facility is installed will be the nonrecurring charges associated with the Switched Access Transport being ordered.
- (C) The customer must place an order for each individual Switched or Special Access service using the Shared Use facility and must also specify the channel assignment for each service.
- (D) Then shared Use occurs and the facility becomes a Special Access facility, the monthly recurring rates for Special and Switched Access will be based upon the percentage of channels associated with each.

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6. Switched Access Service (Cont'd)6.5 Rate Regulations (Cont'd)6.5.8 Shared Use (Cont'd)

- (E) When shared use of a facility occurs in a Host/Remote situation, the facility must route to the Host end office. The Company will continue to provide shared use to any end office so long as capabilities exist.
- (F) Channels being used in conjunction with CCSAC may be included as Shared Use. However, CCSAC signaling connections nonrecurring charges will not apply to the individual channels of the shared use facility.

6.5.9 Data Base Query

A Data Base Query charge as set forth in 6.6.2(A)(2) applies for each data base query that returns a valid carrier identification code that provides the appropriate routing information even if the call is not completed. When additional routing options (i.e., alternate carrier(s) and/or alternate destination(s) identified based on criteria such as; time of day, day-of-week, specific dates, originating NPA-NXX, percent allocation, routing to a single carrier and destination from an area of service smaller than an area defined by an NPA-NXX) are performed, a Routing Options Capability charge as set forth in 6.6.2(A)(2) will also apply per query.

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6. Switched Access Service (Cont'd)

6.6 Rates and Charges

6.6.1 Switched Transport

(A) Entrance Facilities

Recurring Charges-Optional Payment Plan

| | | | | |
|-----|-------------------|-------------|-----------------------------|------------|
| | | <u>USOC</u> | <u>Monthly</u> | \$ 135.79 |
| (1) | Mercury 1.5 (DS1) | | | |
| | | EFYB1 | <u>36 Month</u> | 129.00 |
| | | | <u>60 Month</u> | 122.21 |
| (2) | Mercury 45 (DS3) | <u>USOC</u> | <u>Monthly Rates</u> | \$1,500.00 |
| | | EFYC1 | | |
| | | | <u>Nonrecurring Charges</u> | NONE |

(B) Switched Transport

(1) Mercury 1.5 (DS1)

Monthly, Optional
Payment Plan

Mileage Bands USOC

Monthly Rates
Fixed Per Mile

Mileage Bands

| | | | |
|--------------|-------|-----------|---------|
| 0 | 1YTX1 | | |
| Over 0 to 4 | 1YTX1 | \$ 100.00 | \$ 9.42 |
| Over 4 to 8 | 1YTX1 | 100.00 | 9.42 |
| Over 8 to 25 | 1YTX1 | 100.00 | 9.42 |
| Over 25 | 1YTX1 | | |

(2) Mercury 45 (DS3)

| | | |
|-------|-----------|----------|
| 1YTX1 | \$ 703.48 | \$ 80.00 |
|-------|-----------|----------|

(3) Voice Grade

| | | | |
|-------------|-------|----------|---------|
| - Two wire | 1YTXS | \$ 61.00 | \$ 0.54 |
| - Four Wire | 1YTXS | | |

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6. Switched Access Service (Cont'd)

6.6 Rates and Charges

6.6.1 Switched Transport (Cont'd)

(C) Tandem-Switched Transport

(1) Tandem-Switched
 Transmission
Per MOU

USOC Monthly Rates

Note 1 (T)

Per MOU, Per Mile

Note 1 (T)

(2) Tandem-Switching

Note 1 (T)

USOC Monthly Rate

(3) Access Tandem Trunk
 Port Charge, Per Trunk

PT8UX \$ 6.17

(D) Multiplexing (Including Tandem
 Multiplexers-End Office Side of
 Access Tandem)

Monthly Rates

(1) MercNET 1.544 (DS1) to
 Voice Grade

- Per Arrangement MKW11 \$ 285.45

(2) Mercury 45 (DS3) to Mercury 1.5 (DS1)

- Per Arrangement MKW31 \$ 678.02

Rate Per Access Minute

(3) Tandem Multiplexing
 (EO Side of Access Tandem)

Note 1 (T)

(E) Installation
 - Per Line or Trunk

Nonrecurring
 Charge
 None

Rate Per Call Blocked

(F) Network Blocking Charge

Note 1 (T)

Note 1: Cincinnati Bell Extended Territories' intrastate switched access rates mirror the current intrastate switched access rates of the underlying Incumbent Local Exchange Company ("ILEC") which serves the territory in which traffic originates or terminates as set forth in AT&T Ohio Tariff No. 20 Part 21, Cincinnati Bell Telephone Access Tariff PUCO No. 2, Frontier North Access Tariff PUCO No. 2 and United Telephone Company of Ohio dba CenturyLink Access Tariff PUCO No.1.

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6. Switched Access Service (Cont'd)

6.6 Rates and Charges

6.6.1 Switched Transport (Continued)

(G) CCSAC Signaling Link and STP Port Termination Charges

| | <u>USOC</u> | <u>Monthly Rates</u> | <u>Nonrecurring Charge</u> |
|-------------------------|----------------------------|----------------------|----------------------------|
| 1) CCSAC Signaling Link | | | |
| a) Channel Termination* | | | |
| - per DS1 link | | \$ 135.79 | NONE |
| - per 56 Kbps link | | | |
| link | TNTFX | 70.00 | NONE |
| | | | <u>Nonrecurring Charge</u> |
| b) Channel Mileage** | | | |
| - per DS1 link | | | |
| <u>Mileage Band</u> | | | |
| 0 | Fixed Per Mile | NONE NONE | NONE NONE |
| Over 0 | Fixed Per Mile | \$ 100.00 9.42 | NONE NONE |
| - per 56 Kbps link | | | |
| <u>Mileage Band</u> | | | |
| 0 | 1J5FS Fixed Per Mile | NONE | NONE |
| Over 0 | 1J5FS Fixed Per Mile | \$ 60.72 1.04 | NONE NONE |

* One Channel Termination applies per CCSAC Signaling Link.

** Channel Mileage applies between Serving Wire Center and STP, but does not apply when mileage is zero.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Rates and Charges (Cont'd)

6.6.1 Switched Transport (Cont'd)

(H) Signaling for Tandem Switching

| | <u>USOC</u> | <u>Nonrecurring Charge</u> |
|--|-------------|----------------------------|
| per end office, per trunk group, per CIC | CF3TZ | \$ 300.00 |

(I) Carrier Identification Parameter (CIP)

| | <u>USOC</u> | <u>Monthly Rate</u> |
|-----------------|-------------|---------------------|
| per trunk group | U7CPG | \$ 105.00 |

6.6.2 Local Switching

(A) Usage Sensitive Rates

| | | <u>Rate Per Access Minute</u> |
|---|-------------|-------------------------------|
| (1) Local Switching | | Note 1 |
| (A) Common Trunk Port, per trunk | | Note 1 |
| | <u>USOC</u> | <u>Monthly Rate</u> |
| (B) Dedicated Trunk Port, per trunk Originating | PO8GX | \$ 3.25 (C) |
| Dedicated Trunk Port, per trunk Terminating | PT8GX | \$ 1.38 (C) |
| | <u>USOC</u> | <u>Monthly Rates</u> |
| (C) STP Port Termination Non-recurring Charge | PT85X | \$ 886.68 None |

Note 1: Cincinnati Bell Extended Territories' intrastate switched access rates mirror the current intrastate switched access rates of the underlying Incumbent Local Exchange Company ("ILEC") which serves the territory in which traffic originates or terminates as set forth in AT&T Ohio Tariff No. 20 Part 21, Cincinnati Bell Telephone Access Tariff PUCO No. 2, Frontier North Access Tariff PUCO No. 2 and United Telephone Company of Ohio dba CenturyLink Access Tariff PUCO No.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Rates and Charges (Cont'd)

6.6.2 Local Switching (Cont'd)

(A) Usage Sensitive Rates

| | <u>USOC</u> | <u>Rate Per Query</u> | |
|---|-------------|---------------------------|-----|
| 800 Access Service | | | |
| Data Base Query Charge per query | 8QRY | Note 1 | (T) |
| Routing Options Capability per query | | Note 1 | (T) |

Note 1: Cincinnati Bell Extended Territories' intrastate switched access rates mirror the current intrastate switched access rates of the underlying Incumbent Local Exchange Company ("ILEC") which serves the territory in which traffic originates or terminates as set forth in AT&T Ohio Tariff No. 20 Part 21, Cincinnati Bell Telephone Access Tariff PUCO No. 2, Frontier North Access Tariff PUCO No. 2 and United Telephone Company of Ohio dba CenturyLink Access Tariff PUCO No.1.

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