

Harrisonville Telephone Company

ACCESS SERVICE

6. **Switched Access Service**

6.1 **General**

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a communication 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 Telephone 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 Section 6.2, following.

Rates and charges for Switched Access Service depend generally on the specific Feature Group ordered by the customer, e.g., for MTS or WATS services or MTS/WATS equivalent services, Interim NXX Translation Optional Feature or Toll Free Number Data Base Access Service. Rates and Charges for Switched Access Service are set forth in Section 12.#.2, following. The application of rates for Switched Access Service is described in Section 6.7.1, following.

(C)

The provision of each Feature Group requires Local Transport facilities, including an Entrance Facility where required, and the appropriate End Office functions. In addition, Special Access Service may, at the option of the customer, be connected with Feature Groups A, B, C, or D at Telephone Company designated WATS Serving Offices.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Feature Groups. The technical specifications for the Entrance Facility and Direct Trunked Transport are the same as those set forth in Section 7.2.2 and 7.2.5, following, for Voice Grade and High Capacity services. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in Section 11., following.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories**

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

- Local Transport
- End Office
Local Switching
- Toll Free Number Data Base Access Service
- Common Line (described in Section 3. of NATIONAL EXCHANGE CARRIER ASSOCIATION F.C.C No. 5 and 4, preceding) (C)

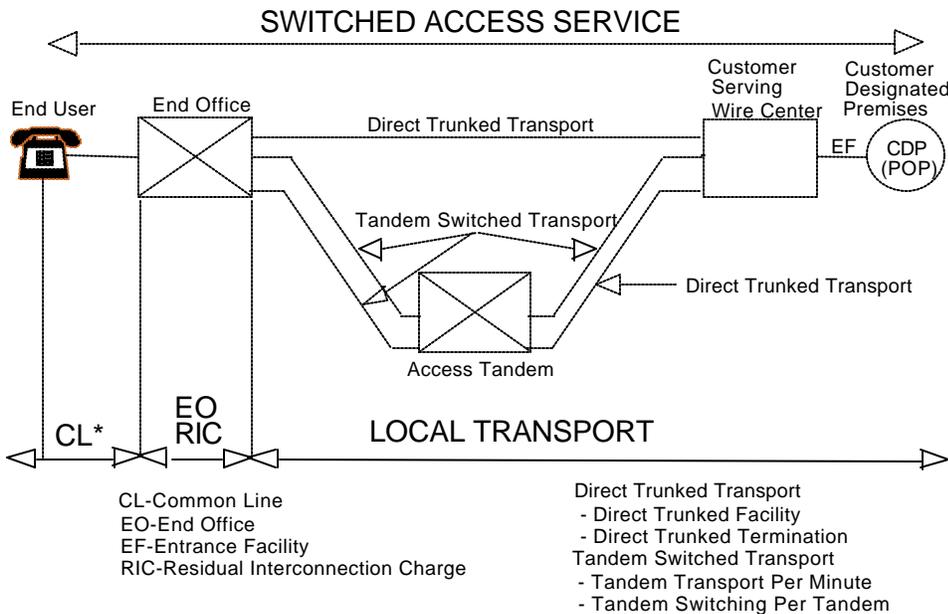
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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

The Feature Groups offered by the Telephone Company are described in Section 6.3, following. Premium rates apply for all Feature Group C, Feature Group D and Feature Group B with Abbreviated Dialing Arrangement (adjusted by an ADA factor of .95) Switched Access connections on an access minute basis. Originating FGC or FGD access is available to all customers when used to provide the Interim NXX Customer Identification optional feature. Transitional rates will apply to all non AT&T originating Interim NXX access minutes. Transitional rates apply for all Feature Group A and B Switched Access connections on an access minute basis. Access minutes are determined as described in Section 6.7.4, following. Premium and Transitional rate classifications are described in Section 6.7.1(B), following. The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.



*Common Line access is provided under Section 3. of NATIONAL EXCHANGE CARRIER ASSOCIATION, INC, TARIFF F.C.C. No. 5. and 4., preceding.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.2 **Rate Categories** (Cont'd)(A) **Local Transport**

Local Transport provides the transmission and tandem switching facilities between the customer designated premises and each end office switch of the Telephone Company where the customer's traffic is switched when originating and terminating the customer's traffic. Some Local Transport rate elements are distance sensitive, while others are non-distance sensitive.

If the customer utilizes the facilities of another connecting exchange carrier to access the Telephone Company end office switch for the provision of switched access service, the Local Transport charge will provide facilities between the end office switch and the interconnection point with the connecting exchange carrier.

Local Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company in accordance with the customer's order. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch to the customer's designated premises) and in the terminating direction (from the customer's designated premises to the end office switch), but not simultaneously. The voice frequency transmission path may be comprised of any type of plant capable of the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3,000 HZ. The customer must specify the choice of facilities (i.e., Voice Grade 2- or 4-wire or High Capacity DS1 or DS3) to be used in the provision of the Direct Trunked Transport or Entrance Facility.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.2 **Rate Categories** (Cont'd)(A) **Local Transport** (Cont'd)

The customer must specify when ordering (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, (2) if Direct Trunked Transport is ordered, the type of facilities to be used (i.e., Voice Grade or DS1), (3) the type of Entrance Facility, (4) the directionality of the service, and (5) when multiplexing is required, the hub(s) at which the multiplexing will be provided. Additionally, when service is to be routed through an access tandem switch, the customer must specify whether the facility between the serving wire center and the tandem is to be provided as Direct Trunked Transport or Tandem Switched Transport.

In Host/Remote configurations, the Tandem Switched Termination rate will always apply for traffic routed between the Host and Remote offices, regardless of the type of service ordered between the Serving Wire Center and the Host office.

Unless otherwise ordered by the F.C.C., where the Telephone Company elects to provide equal access through a Centralized Equal Access arrangement, the Telephone Company will designate the serving wire center. The designated serving wire center will normally be that wire center which provides dial tone to the telephone company Centralized Equal Access tandem office identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. When service is provided in cooperation with a non-telephone company provider of Centralized Equal Access, the serving wire center will be that wire center which would normally provide dial tone to the telephone company point of interconnection with the non-telephone company provider of Centralized Equal Access specified in the tariff of the Centralized Equal Access provider. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

When the customer has both Tandem Switched Transport and Direct Trunked Transport at the same end office, the customer will be provided Alternate Traffic routing, where available, as set forth in Section 6.3.6(A)(1)(n), following.

Direct Trunked Transport is available at all end offices except those identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, as not having the capability to provide Direct Trunked Transport. Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating Toll Free Number calls from non-Service Switching Point (SSP) equipped end offices that can not accommodate direct trunking of origination Toll Free Number calls. (C)

Local Transport is provided at the rates and charges set forth in Section 12.#.2(B), following. The application of these rates with respect to individual Feature Groups is as set forth in Section, 6.3, following. When more than one Telephone Company is involved in providing the Switched Access Service, the Local Transport rates are applied as set forth in Section 2.4.5, preceding. (C)

The Local Transport Rate Category includes five classes of rate elements: (1) Entrance Facility, (2) Residual Interconnection Charge, (3) Tandem Switched Transport, (4) Multiplexing, and (5) Direct Trunked Transport. Not all charges will apply for all issuing carriers.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(1) **Non-Distance Sensitive Rate Elements**

(a) **Entrance Facility**

The Entrance Facility recovers a portion of the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the 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 signalling capability, if any.

Two types of Entrance Facility are available: (1) Voice Grade 2- or 4-wire (an analog channel with an approximate bandwidth of 300 to 3,000 hz), and (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps). The minimum period for which a DS1 Entrance Facility is provided is twelve months.

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

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(1) **Non-Distance Sensitive Rate Elements** (Cont'd)

(a) **Entrance Facility** (Cont'd)

At customer request, their Local Transport may be connected to the Entrance Facility of another customer, providing the other customer submits a Letter of Authorization for this connection and assumes full responsibility for the cost of the Entrance Facility.

(b) **Residual Interconnection Charge**

The Residual Interconnection Charge recovers the costs associated with Local Transport that are not recovered by the Entrance Facility, Direct Trunked Transport, Tandem Switched Transport, or Multiplexing rates. The Residual Interconnection Charge applies to all access minutes of use (i.e., both Tandem Switched and Direct Trunked).

(c) **Tandem Switched Transport**

The Tandem Switched Transport rate elements recover a portion of the costs associated with the communications path between the serving wire center and the end office between the tandem and the end office on circuits that are switched at a tandem switch, and between host and remote switching offices. Tandem Switched Transport consists of circuits dedicated to the use of a single customer from the serving wire center to the tandem and circuits used in common by multiple customers from the tandem to the end office.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(1) **Non-Distance Sensitive Rate Elements** (Cont'd)

(c) **Tandem Switched Transport** (Cont'd)

Tandem Switched Transport rates consist of a Tandem Switching rate and a Tandem Transport rate.

The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in Section 12.#.2(B)(3)(b), following, is applied on a per access minute per tandem basis for all originating and all terminating minutes of use switched at the tandem. Tandem locations are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, WIRE CENTER INFORMATION.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(1) **Non-Distance Sensitive Rate Elements** (Cont'd)

(c) **Tandem Switched Transport** (Cont'd)

The Tandem Transport rate recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Tandem Switched Transport. The Tandem Transport rate also recovers a portion of the costs of the transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits. The Tandem Transport rate specified in Section 12.#.2(B)3(a), following, is applied on a per access minute basis (for all originating and terminating minutes of use routed over the facility) for each measured segment of the Tandem Switched Transport (remote office to host office, end office to serving wire center or end office to tandem). This rate applies from host office to remote office, even when Direct Trunking is ordered from the Serving Wire Center to the host office.

For issuing carriers granted a waiver from restructuring their local transport rates in accordance with CC Docket 91-213, the Tandem Transport rate only applies once for each transported access minute, and thus, does not apply separately for the segment from host office to remote office.

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6. **Switched Access Service** (Cont'd)

6.2 Rate Categories (Cont'd)

(A) Local Transport (Cont'd)

(1) Non-Distance Sensitive Rate Elements (Cont'd)

(d) Multiplexing

DS1 to Voice Grade Multiplexing charges apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Facility is connected with Voice Grade Direct Trunked Transport. However, a DS1 to Voice Grade Multiplexing charge does not apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport is terminated at an electronic end office and only Switched Access Service is provided over the DS1 facility (i.e., Voice Grade Special Access channels are not derived). The DS1 to Voice multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

DS3 to DS1 Multiplexing charges apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Facility is connected with DS1 Direct Trunked Transport. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

Multiplexing is only available at wire centers identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, WIRE CENTER INFORMATION.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(2) **Distance Sensitive Rate Elements**

(a) **Direct Trunked Transport**

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path between the serving wire center and the end office or serving wire center and a tandem on circuits dedicated to the use of a single customer.

Direct Trunked Transport is available to all tandems and to all end offices except those identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, WIRE CENTER INFORMATION as not having the capability to provide Direct Trunked Transport.

Direct Trunked Transport is not available: (1) from end offices that provide equal access through a Centralized Equal Access arrangement, (2) from end offices that lack recording or measurement capability, and (3) for originating Toll Free Number calls from non-Service Switching Point (SSP) equipped end offices that can not accommodate direct trunking of originating Toll Free Number calls.

Two types of Direct Trunked Transport are available: (1) Voice Grade (an analog channel with an approximate bandwidth of 300 to 3,000 Hz), and (2) High Capacity DS1 (an isochronous serial digital channel with a rate of 1.544 Mbps). The minimum period for which a High Capacity DS1 Direct Trunked Transport is provided is twelve months. (C) (C) (C)

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(2) **Distance Sensitive Rate Elements** (Cont'd)

(a) **Direct Trunked Transport** (Cont'd)

DS1 Direct Trunked Transport can not be terminated at end offices that are not identified as hub offices that provide DS1 to Voice Grade multiplexing or are not electronic end offices. Offices that provide multiplexing are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4, WIRE CENTER INFORMATION.

Direct Trunked Transport rates, as described in Section 12.#.2(B)(4), following, consist of a Direct Trunked Facility rate which is applied on a per mile basis and a Direct Trunked Termination rate which is applied at each end of each measured segment of the Direct Trunked Facility (e.g., at the end office, hub, and serving wire center). When the Direct Trunked Facility mileage is zero, neither the Direct Trunked Facility rate nor the Direct Trunked Termination rate will apply.

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

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

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Ten Interface Groups are provided for terminating the Entrance Facility at the customer's designated premises. Each Interface Group provides a specified premises interface (e.g., two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's designated premises and the first point of switching may, at the option of the customer, be provided with optional features as set forth in (2), preceding. The interface groups described in Section 11.1, following, and the optional features described in (2), preceding, are nonchargeable features. No additional charges other than the rate for Local Transport described in Section 12.#.2(B), following, apply.

As a result of the customer's access order and the type of Telephone Company transport facilities serving the customer's premises, the need for signalling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that Telephone Company equipment be placed at the customer's designated premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's designated premises are digital, then Telephone Company channel bank equipment must be placed at the customer's designated premises in order to provide the voice frequency interface ordered by the customer.

Technical specifications concerning the available interface groups are set forth in Section 11.1, following.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(A) **Local Transport** (Cont'd)

(4) **Nonchargeable Optional Features**

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following nonchargeable optional features in association with Local Transport.

(a) **Supervisory Signalling**

Where the transmission parameters permit, and where signalling conversion is required by the customer to meet its signalling capability, the customer may order an optional supervisory signalling arrangement for each transmission path provided as set forth in Section 11.1.12, following.

(b) **Customer Specified Entry Switch Receive Level**

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference TR-NWT-000334. This feature is available with Interface Groups 2 through 10 for Feature Groups A and B.

(c) **Customer Specification of Local Transport Termination**

This option 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 entry switch 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.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(B) **End Office**

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Line Termination rate elements.

(1) **Local Switching**

The Local Switching rate element provides the local end office switching functions associated with Feature Groups A,B,C and D and the transport termination for the trunk side arrangements which terminate the Local Transport facilities. The LS2 rate applies to all Feature Groups providing Switched Access Service, including providers of MTS and WATS. Feature Group B minutes using an Abbreviated Dialing Arrangement are billed premium minutes adjusted by the ADA rate factor, which is 95% of the premium LS2 rate. The Transitional rate applies to all other FGB and FGA services originating or terminating in end offices which have not been converted to equal access and FGC when utilized to provide Interim NXX service to carriers other than AT&T. Rates for Local Switching are set forth in Section 12.#.2(C)(1), following.

(2) **Directory Assistance Information Surcharge**

Directory Assistance Information Surcharge rates are assessed to a customer based on the total number of access minutes. Directory Assistance Information Surcharge rates are as set forth in Section 12.#.2(C)(3), following.

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6. **Switched Access Service** (Cont'd)

6.2 **Rate Categories** (Cont'd)

(B) **End Office** (Cont'd)

(C) **Non-Chargeable Optional Features**

Where facilities permit, the Telephone Company will, at the option of the customer, provide the following non-chargeable optional features. These optional features are described in Section 6.3.6, following.

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

(D) Rate Regulations

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

(1) Description and Application of Rate

There are two types of rates and charges that apply to Switched Access Service; recurring (usage and flat rates) and nonrecurring charges.

(a) Recurring Rates

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

(b) Nonrecurring Charges

(D)

(D)

Pursuant to the Federal Communications Commission's (FCC) Order in CC Docket No. 96-262 Access Charge Reform, released May 16, 1997, all nonrecurring charges (NRCs) for service connection are waived when a customer converts trunks from tandem-switched to direct-trunked for Tandem Switched Transport between the Tandem Switch and the Serving Wire Center (SWC). NRCs are also waived if a customer orders the discontinuance of overprovisioned trunks between the Tandem Switch and the SWC. Waiver of these NRCs continues through December 31, 1998.

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6. **Switched Access Service** (Cont'd)

6.3 **Provision and Description of Switched Access Service Feature Groups**

Switched Access Service is provided in four Feature Group arrangements:

- Feature Group A
- Feature Group B
- Feature Group C
- Feature Group D

The Local Transport, End Office, and Common Line rate categories described in Section 6.2., preceding, apply to all Switched Access Service.

6.3.1 **Feature Group A (FGA)**

(A) **Description**

- (1) FGA is provided in connection with Telephone Company electronic and electromechanical end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) FGA provides a line side termination at the first point of switching (dial tone office). The line side termination will be provided with either ground start or loop start supervisory signalling. The type of signalling is at the option of the customer.
- (3) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities, where necessary, are available to accommodate such a request.

FGA will be provisioned over an Entrance Facility from the customer's premises to the customer's serving wire center.

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6. **Switched Access Service** (Cont'd)

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

6.3.1 **Feature Group A (FGA)** (Cont'd)

(A) **Description** (Cont'd)

(3) (Cont'd)

FGA service, when used in the originating direction, will be provisioned as Direct Trunked Transport from the first point of switching (i.e., the end office switch where FGA switching dial tone is provided) to the customer's serving wire center.

FGA service, when used in the terminating direction, will be provisioned as Direct Trunked Transport from the customer's serving wire center to the first point of switching and provisioned as Tandem Switched Transport from the first point of switching to the terminating end office.

- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.

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6. **Switched Access Service** (Cont'd)

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

6.3.1 **Feature Group A (FGA)** (Cont'd)

(A) **Description** (Cont'd)

- (5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signalling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signalling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signalling.
- (6) No address signalling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signalling in such cases, if required by the customer, must be provided by the customer's end user using inband tone signalling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

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6. **Switched Access Service** (Cont'd)

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

6.3.1 **Feature Group A (FGA)** (Cont'd)

(A) **Description** (Cont'd)

- (7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and, (3) calls from a FGA line to another customer's applicable service rates when the Telephone Company performs the billing function for that customer.

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6. **Switched Access Service** (Cont'd)

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

6.3.1 **Feature Group A (FGA)** (Cont'd)

(A) **Description** (Cont'd)

(8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, 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 discontinued.

(B) **Transmission Specifications**

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

(C) **Testing Capabilities**

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. Additional testing services are available as set forth in Section 9.2.5, following, for FGA.

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6. **Switched Access Service** (Cont'd)

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

6.3.1 **Feature Group A (FGA)** (Cont'd)

(C) **Testing Capabilities** (Cont'd)

(1) **Acceptance Testing**

At no additional charge, the Telephone 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 signalling.

(2) **Routine Testing**

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1,004 Hz loss, C-message noise and Balance (Return loss). In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

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6. **Switched Access Service** (Cont'd)

6.3 **Provision and Description of Switched Access Service Feature Group** (Cont'd)

6.3.2 **Feature Group B (FGB)**

(A) **Description**

- (1) FGB, when directly routed to an end office (i.e., provided without the use of an access tandem switch), is provided at appropriately equipped Telephone Company electronic end office switches. When provided via Telephone Company designated electronic access tandem switches, FGB switching is provided at Telephone Company electronic and electromechanical end office switches.
- (2) 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 start-pulsing signals and answer and disconnect supervisory signalling.
- (3) FGB switching is provided with multifrequency address signalling in both the originating and terminating directions. Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signalling arrangements as set forth in Section 6.3.6, following, any other address signalling in the originating direction, if required by the customer, must be provided by the customer's end user inband tone signalling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.3 **Provision and Description of Switched Access Service Feature Groups** (Cont'd)6.3.2 **Feature Group B (FGB)** (Cont'd)(A) **Description** (Cont'd)

- (4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-10XX for carriers. One uniform access code will be assigned to the customer for the customer's domestic communications and another will be assigned to the customer for its international communications, if required. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.
- (5) 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 Telephone 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 Telephone 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 Telephone Company performs the billing

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.2 **Feature Group B (FGB)** (Cont'd)

(A) **Description** (Cont'd)

(5) (Cont'd)

function for that customer. Calls in the terminating direction will not be completed to 950-10XX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 10XXX access codes. FGB may not be switched, in the terminating direction, to Switched Access Service Feature Groups B or C.

(6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(7) 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.2 **Feature Group B (FGB)** (Cont'd)

(A) **Description** (Cont'd)

- (8) Feature Group B with Abbreviated Dialing Arrangement (ADA) will be provisioned in the same manner as Feature Group B, with the exceptions listed in (D), following. When FGB with ADA is made available in an end office, the Telephone Company will continue to make FGB with an associated 950-XXXX access code available to customers at nonpremium rates. When FGB becomes available in an end office, FGB with ADA will no longer be provided at that end office.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.2 **Feature Group B (FGB)** (Cont'd)

(B) **Transmission Specifications**

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2 through 10. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

(C) **Testing Capabilities**

FGB is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional testing services are available as set forth in Section 9., following, for FGB.

(1) **Acceptance Testing**

At no additional charge, the Telephone 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 signalling.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.2 **Feature Group B (FGB)** (Cont'd)

(C) **Testing Capabilities** (Cont'd)

(2) **Routine Testing**

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1,004 Hz loss, C-message noise and Balance (Return loss). In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

(D) **Abbreviated Dialing Arrangement (ADA)**

FGB Switched Access Service with an ADA (FGB ADA) is available to all customer, other than providers of MTS/WATS, for Telephone Company designated non equal access end offices. FGB ADA enables end users to utilize a one or two digit access code to access customers who have ordered this service. When FGD becomes available in an end office, FGB ADA will no longer be provided at that end office.

(1) **FGB ADA Exceptions**

FGB ADA is available to all customers other than providers of MTS/WATS and is provisioned like FGB Switched Access Service as set forth in this Section, with the following exceptions:

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.2 **Feature Group B (FGB)** (Cont'd)

(D) **Abbreviated Dialing Arrangement (ADA)** (Cont'd)

(1) **FGB ADA Exceptions** (Cont'd)

- (a) FGB ADA is available as originating only service, or as both originating and terminating service (2-way). FGB ADA is not available as terminating only service.
- (b) FGB ADA is only provided by direct routing to an end office switch.
- (c) The forms of the access code for originating FGB ADA switching are N or NX.* Assignment of FGB ADA access codes will be on a first-come, first-served basis and are subject to the availability of access code numbers.
- (d) Calls in the terminating direction will not be completed to FGB with an ADA access code (N and NX).

6.3.3 **Feature Group C (FGC)**

(A) **Description**

- (1) FGC is provided at all Telephone Company end office switches. It is provided to the customer (i.e., provider of MTS) on a direct trunk basis or via Telephone Company designated access tandem switches. Originating FGC Access is available to all customers when used to provide the Interim NXX Translation optional features or Toll Free Number

(C)

*The abbreviations N and NX when used in the context of FGB ADA denotes the following; N signifies a number between 2 and 9, and X signifies a number between 0 and 9.

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.3 **Feature Group C (FGC)** (Cont'd)

(A) **Description** (Cont'd)

(1) (Cont'd)

Data Base Access Service. Terminating FGC access is available to all customers other than providers of MTS and WATS when such access is used in conjunction with the provision of the Interim NXX Translation optional feature or Toll Free Number Data Base Access, but only for purposes of testing. Feature Group C switching is provided at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.

(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.3 **Feature Group C (FGC)** (Cont'd)

(A) **Description** (Cont'd)

- (2) FGC is provided as trunk side switching. The switch trunk equipment is provided with answer and disconnect supervisory signalling. Wink start start-pulsing signals are provided in all offices where available. In those offices where wink start start-pulsing signals are not available, immediate dial pulse signalling is provided. When FGC with SS7 signalling is ordered, no inband signalling is provided.
- (3) FGC switching is provided with multifrequency address signalling or out of band SS7 signalling where technically feasible. With multifrequency address signalling and SS7 signalling, 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 Telephone 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.3 **Feature Group C (FGC)** (Cont'd)

(A) **Description** (Cont'd)

- (4) Feature Group C switching is provided at all end office switches unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided. FGC is provided at Telephone Company end office switches on a direct trunk basis or via Telephone Company designated access tandem switches. Feature Group C switching is furnished to providers or MTS and WATS. Additionally, originating Feature Group C switching is available to all customers when used to provide the Interim NXX Translation optional feature of Toll Free Number Data Base Service. Terminating Feature Group C switching is available to all customers who are not MTS and WATS providers only when such terminating access is for purposes of testing Feature Group C facilities provided in conjunction with the Interim NXX Translation optional feature or Toll Free Number Data Base Service. (C)
- (5) The end user must dial a one digit access code to access the IC. In addition to the access code, the telephone number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. (C)

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.3 **Feature Group C** (Cont'd)

(A) **Description** (Cont'd)

- (6) FGC switching when used in the terminating direction may be used to access valid telephone numbers in the local exchange area of the terminating end office switch.
- (7) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (8) Unless prohibited by technical limitations the providers of MTS and WATS may, at their option, combine Interim NXX Translation and/or Toll Free Number Data Base traffic in the same trunk group arrangement with their non-Interim NXX Translation traffic. When required by technical considerations, or when provided to a customer other than the provider of MTS and WATS, or at the request of the customer (i.e., provider of MTS and WATS), a separate trunk group will be established for Interim NXX Translation traffic and/or Toll Free Number Data Base.

(C)

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(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

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

6.3.3 **Feature Group C (FGC)** (Cont'd)

(B) **Transmission Specifications**

FGC is provided with either Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or Type C is provided.
- When routed to an access tandem only Type B is provided.
- Type B or Type C is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2 through 10, whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office when routed via an access tandem.

(C) **Testing Capabilities**

FGC is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, transmission measuring (105 type) test line, data transmission

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.3 **Feature Group C (FGC)** (Cont'd)

(C) **Testing Capabilities** (Cont'd)

(107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional testing services are available as set forth in Section 9., following, for FGC.

(1) **Acceptance Testing**

At no additional charge, the Telephone 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 signalling.

When FGC with SS7 Signalling or CCSAC option is ordered, network compatibility and other operational tests will be performed cooperatively by the customer, the Telephone Company, and any agents contacted to provide CCSAC.

(2) **Routine Testing**

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1,004 Hz loss, C-message noise and Balance (Return loss). In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.3 **Feature Group C (FGC)** (Cont'd)

(D) **Design and Traffic Routing**

For Feature Group C, the Telephone Company shall design and determine the routing of Switched Access Service. Additionally, for Tandem Switched Transport the Telephone Company will design and determine the routing from the first point of switching to the end office. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

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

6.3.4 **Feature Group D (FGD)**

(A) **Description**

- (1) FGD is provided at Telephone Company designated office switches whether routed directly or via Telephone Company designated electronic access tandem switches. The Telephone Company will designate the first point(s) of switching for FGD services where the Telephone Company elects to provide equal access through a Centralized Equal Access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

- (2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signalling. When FGD with SS7 signalling is ordered, no inband signalling is provided.
- (3) FGD switching is provided with multifrequency address signalling or out of band SS7 signalling. With multifrequency address signalling and SS7 signalling, 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 Telephone 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.
- (4) FGD switching, when used in the originating direction, is provided with multifrequency address signalling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency, dial pulse address signals, or common channel signals will be provided by Telephone 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **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 NXX's in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX Codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed.

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 Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-0XXX or 950-1XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes, or 10XXX access codes.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

(5) (Cont'd)

Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGD switching is combined with Directory Assistance switching. FGD may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.

As an ordering option to the customer, terminating FGD, when routed through an access tandem, may also access valid NXX codes served by subtending end offices in which originating FGD is not available. Rating of this optional service is as set forth in Section 6.7.1(B)(3), following.

- (6) The Telephone 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 Telephone Company.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

- (7) The access code for FGD switching is a uniform access code of the form 10XXX. A single access code will be the assigned number of all FGD access provided to the customer by the Telephone Company. No access code is required for calls 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 Section 9.3.3, following.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP).

For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1+ NXX-XXXX, NPA + NXX-XXXX, 0 or 1+ NPA + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD, 01 + CC + NN or 011 + CC + NN).

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

(7) (Cont'd)

When the 10XXX access code is used, FGD switching also provides for dialing the digit 0 for access to the customer's operator, 911 for access to the Telephone Company's emergency reporting service, or the end-of-dialing digit (#) for cut-through access to the customer's premises.

Unless otherwise ordered by the F.C.C., when equal access is provided through a Centralized Equal Access arrangement, the 10XXX access code may not be available in certain equal access offices. Those offices which provide FGD Switched Access Service without the 10XXX access code are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

(8) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 10XXX uniform access code. Each telephone exchange service line may be marked with a code to identify which 10XXX code its calls will be directed to for interLATA service.

(9) Unless prohibited by technical limitations, the customer's Interim NXX traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-Interim NXX traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX traffic.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(A) **Description** (Cont'd)

- (10) 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 Telephone Company, the Telephone 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 signalling from the end user. Such calls will be rated as FGD. The Telephone Company may, with 90 days' written notice to the customer, discontinue this arrangement.

- (11) Unless prohibited by technical limitations, the customer's Interim NXX Translation and/or Toll Free Number Data Base traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-Interim NXX Translation and/or Toll Free Number Data Base traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for Interim NXX Translation and/or Toll Free Number Data Base traffic. (C)

- (12) Where facilities permit, the Telephone Company will, at the option of the customer, provide optional features. These optional features are described in Section 6.3.6, following. (C)

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Future Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(B) **Transmission Specifications**

FGD is provided with either Type A, Type B or Type C Transmission Specifications as follows:

- When routed directly to the end office either Type B or C is provided.
- When routed to an access tandem only Type A is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type C Transmission Specifications are provided with Interface Group 1. Type A and Type B Transmission Specifications are provided with Interface Groups 2 through 10.

Type DA Data Transmission Parameters are provided for the transmission path between the customer's premises and the access tandem and between the access tandem and the end office. Type DB Data Transmission Parameters are provided with FGD for the transmission path between the customer's premises and the end office when directly routed to the end office.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Future Groups** (Cont'd)

6.3.4 **Feature Group D (FGD)** (Cont'd)

(C) **Testing Capabilities**

FGD is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line, milliwatt (102 type) test line, nonsynchronous or synchronous test line, automatic transmission measuring (105 type) test line, data transmission (107 type) test line, loop around test line, short circuit test line and open circuit test line. Additional testing services are available as set forth in Section 9., following, for FGD.

When FGD with SS7 signalling option is ordered, network compatibility and other operational tests will be performed cooperatively by the customer, the Telephone Company, and any agents contracted to provide CCSAC.

(1) **Acceptance Testing**

At no additional charge, the Telephone 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 signalling.

(2) **Routing Testing**

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1,004 Hz loss, C-message noise and balance (return loss). In the case of automatic testing, the customer shall provide remote office test lines and 105 test lines with associated responders or their functional equivalent.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)6.3.4 **Feature Group D (FGD)** (Cont'd)(D) **Design and Traffic Routing**

For Feature Group D, the Telephone Company shall design and determine the routing of tandem Switched Access Transport service, including the selection of the first point of switching and the selection of facilities from the interface to any switching point and to the end offices where busy hour minutes of capacity are ordered. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. Finally, the Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

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

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and actual traffic patterns. The Telephone Company will designate the first point(s) of switching and routing to be used where equal access is provided through a Centralized Equal Access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)6.3.5 **Manner of Provision**

Switched Access is furnished in either quantities of lines or trunks, or in busy hour minutes of capacity (BHMCs). FGA Access and FGB Access are furnished on a per-line or per-trunk basis respectively. FGC and FGD Access are furnished on a BHMC basis and on a per trunk basis as set forth in Section 5.2(C), 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 Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

For Feature Groups A and B, which are ordered on a per line or per trunk as is respectively, and feature Groups C and D when ordered on a per trunk basis the customer specifies the type of transport facilities and the number of channels in the order for service.

For Tandem Switched Transport, the Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C and 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 Section 5.3(A), preceding) for the end office 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 Telephone 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.5 Manner of Provisions (Cont'd)

There are two major BHMC categories identified as Originating and Terminating. Originating BHMCs represent access capacity for carrying traffic from the end user to the customer. Terminating BHMCs represent access capacity for carrying traffic from the customer to the end user. When ordering capacity for FGC and FGD Access, the customer must at a minimum specify access capacity in terms of Originating BHMCs and/or Terminating BHMCs. Because some customers will wish to further segregate their originating traffic into separate trunk groups, or because segregation may be required by network considerations, Originating BHMCs are further categorized into Domestic, Toll Free Number, individual Interim NXX Translated Service Access Codes, Operator and IDDD. Domestic BHMCs represent access capacity for carrying only domestic traffic other than Toll Free Number, individual Interim NXX Translated Service Access Codes and Operator traffic; IDDD BHMCs represent access capacity for carrying only international traffic; and, Toll Free Number, individual Interim NXX Translated Service Access Codes and Operator BHMCs represent access capacity for carrying, respectively, only Toll Free Number, individual Interim NXX Translated Service Access Codes or Operator traffic. When ordering such types of access capacity, the customer must specify Domestic, Toll Free Number, individual Interim NXX Translated Service Access Codes, Operator or IDDD BHMCs.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features**

(A) **Optional Features**

(1) **Common Switching Nonchargeable Optional Features**

(a) **Call Denial on Line or Hunt Group**

This option allows for the screening of terminating Feature Group A calls. There are two screening arrangements available with this option as follows:

1) limiting terminating calls for completion to only 411 or 555-1212 whichever is available, 611, 911, Toll Free Number 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 or,
2) limiting terminating calls to completion to only the NXXs associated with all end offices in the LATA, i.e., the call cannot be further switched or routed out of the LATA nor will calls be completed to 411 or 555-1212 whichever is available, 611, 911 or Toll Free Number. All other calls are routed to a reorder tone or recorded announcement.

Arrangement 1 is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices.

Arrangement 2 is provided where available. This feature is available with Feature Group A.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features**
(Cont'd)

(b) **Service Code Denial on Line or Hunt Group**

This option allows for the screening of terminating calls within the LATA, and for disallowing completion of calls to 0-, 555 and N11 (e.g., 411, 611 and 911). This feature is provided where available in all Telephone Company electronic end offices and electromechanical end offices. It is available with Feature Group A.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(c) **Hunt Group Arrangement**

This option provides the ability to sequentially access one of two or more line side connections in the originating direction, when the access code of the line group is dialed. This feature is provided in all Telephone Company end offices. It is available with Feature Group A. All Feature Group A access services in the same hunt group must provide off-hook supervisory signalling from the same point in time in the call sequence, i.e., all off-hook supervisory signals must either be provided by the customer's equipment before the called party answers or all must be forwarded by the customer's equipment when the called party answers.

(d) **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 hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(e) **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 Telephone Company electronic end offices only. It is available with Feature Group A.

(f) **Automatic Number Identification (ANI)**

(1) This option provides the automatic transmission of a seven 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 all individual transmission

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

(1) (Cont'd)

- (a) 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

- (2) The seven digit ANI telephone number is generally available with Feature Groups B and C. With these Feature Groups, technical limitations may exist in Telephone 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

- (3) The ten digit ANI telephone number is only available with Feature Group D. When a customer orders SS7 Signalling, ANI will be automatically provided where technically feasible. In instances where ANI is unavailable, the customer will automatically receive the Calling Party Number as specified in Section 6.3.6(A)(1)(y), 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 multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below). Seven digit ANI is not available with SS7 signalling.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

- (4) With Feature Group C, at the option of the customer, ANI may be ordered from end offices where Telephone Company recording for end user billing is not provided. Additionally, ANI is provided from end offices where message detail recording is not required by the Telephone Company; as with Toll Free Number Service.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

- (5) ANI is not provided from FGC end offices where the Telephone Company forwards ANI to its recording equipment. Where ANI cannot be provided, e.g., on calls from 4 and 8 party service, information digits will be provided to the customer.

The information digits identify:

- (a) that the telephone number is the station billing number - no special treatment required,
- (b) a multiparty line - telephone number is a 4- or 8- party line and cannot be identified - number must be obtained via an operator or in some other manner,
- (c) that 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,

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

(5) (Cont'd)

- (d) a hotel/motel originated call which requires room number identification,
- (e) a coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and
- (f) that a call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party.

These ANI information digits generally are available with Feature Groups B, C, and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

(6) Additional ANI information digits are available with Feature Group D only. They include:

- (a) InterLATA restricted - telephone number is identified line
- (b) InterLATA restricted - hotel/motel line
- (c) InterLATA restricted - coinless, hospital, inmate, etc., line

These information digits will be transmitted as agreed to by the customer and the Telephone Company.

(7) **Restrictions on Use and Sale of ANI**

- a) Interstate access customers of this tariff may use ANI in the following manner:
 - i) For billing & collection information, for routing, screening, and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use ANI to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(f) **Automatic Number Identification (ANI)** (Cont'd)

(7) **Restrictions on Use and Sale of ANI** (Cont'd)

b) Interstate access customers of this tariff may not use ANI in the following manner:

- i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.
- ii) Disclosing (except as permitted in (a), preceding), any information derived from the ANI for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(g) **Up to 7 Digit Outpulsing of Access Digits to Customer**

This option generally provides for the end office capability of providing up to 7 digits of the uniform access code (950-0XXX, 950-1XXX) 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 signalling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(h) **Revertive Pulse Address Signalling**

This option provides for a dc pulsing arrangement that transmits intelligence in the following manner:

- (1) The equipment at the originating location presents itself to represent the number of pulses required and to count the pulses received from the terminating location.
- (2) The equipment at the terminating location transmits a series of pulses by the momentary grounding of its battery supply until the originating location breaks the dc path to indicate that the required number of pulses has been counted.

This option is available with Feature Group C.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(i) **Delay Dial Start-Pulsing Signalling**

This option provides a method of indicating to the near end trunk circuit readiness to accept address signalling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signalling sequence. The delay dial signal is the off-hook interval and the star-pulsing signal is the on-hook interval. With integrity check, the calling office will not output until a delay dial (off-hook) signal followed by a start-pulsing (on-hook) signal has been identified at the calling office. This option is available with Feature Group C.

(j) **Dial Pulse Address Signalling**

This option provides for the forwarding of dial pulses from the Telephone Company end office to the customer without the need of a star-pulsing signal from the customer. It is available with Feature Group C.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(k) **Immediate Dial Pulse Address Signalling**

This trunk side option provides for the transmission of number information, e.g., called number, between the end office switching system and the customer designated premises (in either direction) by means of direct current pulses. It is available with Feature Group C.

(l) **Panel Call Indicator Address Signalling**

This option provides a dc pulsing arrangement in which each digit is transmitted as a series of four marginal and polarized impulses. It is available with Feature Group C.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(m) **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+ or 011+, or Service Access Code (e.g., 900)). It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(n) **Alternate Traffic Routing**

When the customer orders both Direct Trunked Transport and Tandem Switched Transport at the same end office, this option provides the capability of directing originating traffic from an end office (or appropriately equipped access tandem) to a trunk group (the "high usage" group) to a customer designated premises until that group is fully loaded, and then delivering additional originating traffic (the "overflowing" traffic) from the same end office or access tandem to a different trunk group (the "final" group) to the same or a second customer designated premises.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features**
(Cont'd)

(n) **Alternate Traffic Routing** (Cont'd)

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 and is available with Feature Groups B, C and D.

When alternate routing is available the FGD traffic will be directly measured. If the Telephone Company cannot measure the traffic, it will be estimated based on a 24-hour period representative of actual routing.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(o) **Trunk Access Limitation**

This option provides for the routing of originating Interim NXX Translated Service Access Code calls to a specified number of transmission paths in a trunk group, in order to limit (choke) the completion of such traffic to the customer. Calls to the designated service which could not be completed over the subset of transmission paths in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(p) **Call Gapping Arrangement**

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to Interim NXX Translated Service Access Codes to be switched in the end office to all transmission paths in a trunk group dedicated to that specific service at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to other customer. Calls to the designated service which are denied access by this feature, i.e., the choked calls, would be routed to a no-circuit announcement. It is provided in selected Feature Group D equipped end offices and is available only with Feature Group D.

The customer shall provide the Telephone Company notification of media stimulated mass calling events (e.g. Toll Free Number, 900 option polls). Such notification, if received at least twenty-four hours prior to the event, will enable the Telephone Company to institute call gapping controls, where capability exists, so the controls will be in place when the event begins. Call gapping will be instituted as needed to protect the customer's and Telephone Company's networks.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(q) **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 Telephone Company is able to route originating international calls to a customer other than the one designated by the end user either through presubscription or 10XXX dialing). This arrangement requires provision of written verification to the Telephone 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 the Telephone Company end offices or access tandems equipped for International Direct Distance Dialing. It is available with Feature Group D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features**
(Cont'd)

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

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

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

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

This option provides the ability to verify that an end user has dialed a called party address (by screening the called NPA and/or NXX on the basis of geographical bands selected by the Telephone Company) which is in accordance with that end user's service agreement with the customer, e.g., WATS. This option is provided in all Telephone Company electronic end offices and, where available, in electromechanical end offices which are designated as WATS Serving Offices. It is available with Feature Groups A, B, C, and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.6 Common Switching Transport Termination and Interim NXX Translation Optional Features (Cont'd)

(A) Optional Features (Cont'd)

(1) Common Switching Nonchargeable Optional Features (Cont'd)

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

This option provides the ability to sequentially access one of two or more Special Access Services utilized in the provision of WATS or WATS-type services (e.g. Toll Free Number Service Special access services) in the terminating direction, when the hunting number of the Special Access Service group is forwarded from the customer to the Telephone Company. This feature is provided in all Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features**
(Cont'd)

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

This option provides a type of multiline hunting arrangement which provides for an even distribution of terminating calls among the available Special Access Services utilized in the provision of WATS or WATS-type Services in the hunt group. Where available, this feature is only provided in Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

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

This option provides an arrangement for an individual Special Access Service utilized in the provision of WATS or WATS-type Services within a multiline hunt or uniform call distribution group that provides access to that Special Access Service within the hunt or uniform call distribution group when it is idle or provides busy tone when it is busy, when the nonhunting number is dialed. Where available, this feature is only provided in the Telephone Company designated WATS Serving Offices. It is available with Feature Groups A, B, C and D.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(w) **Multifrequency Address Signalling**

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

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ACCESS SERVICE

Switched Access Service (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(x) **Signalling System 7 (SS7) Signalling**

This feature provides common channel out of band transmission of address and supervisory SS7 protocol signalling information between the end office switch or the tandem office switching system and the customer's designated premises. This feature is available only in offices where technically feasible as indicated in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. The signalling information is transmitted to the Telephone Company designated STP which may be provided by a separate entity. The customer must arrange CCSAC facilities with the entity providing the STP in order to receive SS7 signalling from the Telephone Company. This feature is available with FGC and

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(x) **Signalling System 7 (SS7) Signalling** (Cont'd)

FGD and will be provided in accordance with the SS7 Interconnect specifications described in Technical Reference TR-TSV-000905.

(y) **Calling Party Number (CPN)**

This feature provides for the automatic transmission of the ten digit directory number, associated with a calling station, to the customer's premises for calls originating in the LATA. The ten digit telephone number consists of the NPA plus the seven digit telephone number, which may or may not be the same number as the calling station's charge number. The ten digit telephone number will be coded as presented, or restricted via a "privacy indicator" for delivery to the called end user. This feature is automatically provided with originating FGC and FGD with SS7 signalling. SS7 Signalling is available only where technically feasible.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(y) **Calling Party Number (CPN)** (Cont'd)

(1) **Restrictions on Use and Sale of CPN**

(a) Interstate access customers of this tariff may use CPN in the following manner:

- (i) For billing and collection information, for routing, screening, and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use CPN to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(y) **Calling Party Number (CPN)** (Cont'd)

(1) **Restrictions on Use and Sale of CPN** (Cont'd)

(b) Interstate access customers of this tariff may not use CPN in the following manner:

(i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.

(ii) Disclosing (except as permitted in (a), preceding) any information derived from the CPN for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(z) **Carrier Selection Parameter (CSP)**

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

* CSP is available only at selected Telephone Company switches.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.6 Common Switching Transport Termination and Interim NXX Translation
Optional Features (Cont'd)

(A) Optional Features (Cont'd)

(1) Common Switching Nonchargeable Optional Features (Cont'd)

(AA) Charge Number Parameter (CNP)

1) The CNP is equivalent to the existing ten digit Automatic Number Identification (ANI) available with FGC where technically feasible and FGD with MF signalling. The CNP provides for the automatic transmission of the ten digit billing number of the calling station and the originating line information. This feature is provided with originating FGC and FGD with SS7 signalling.

2) Restrictions on Use and Sale of CNP

a) Interstate access customers of this tariff may use CNP in the following manner:

i) For billing and collection information, for routing, screening, and completing the originating subscriber's call or transaction, or for services directly related to the originating telephone subscriber's call or transaction.

The customer may use CNP to offer a product or service that is directly related to the products or services previously acquired from the customer by the originating subscriber.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(1) **Common Switching Nonchargeable Optional Features** (Cont'd)

(AA) **Charge Number Parameter (CNP)** (Cont'd)

2) **Restrictions on Use and Sale of CNP** (Cont'd)

b) Interstate access customers of this tariff may not use CNP in the following manner:

- i) Reusing or selling the telephone number or billing information without first notifying the originating telephone subscriber and obtaining the affirmative consent of such subscriber for such reuse or sale.
- ii) Disclosing, except as permitted in a), preceding, any information derived from the CNP for any purpose other than 1) performing the services or transactions that are the subject of the originating subscriber's call, 2) ensuring network performance security and the effectiveness of call delivery, 3) compiling, using, and disclosing aggregate information, and 4) complying with applicable law or legal process.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.6 Common Switching Transport Termination and Interim NXX Translation
Optional Features (Cont'd)

(A) Optional Features (Cont'd)

(2) Transport Termination Nonchargeable Optional Features

(a) Rotary Dial Station Signalling

This option provides for the transmission of called party address signalling 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features** (Cont'd)

(b) **Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin**

This option may be ordered to provide coin, non-coin, or combined coin and non-coin operation. It is available only with Feature Group C and is provided in electronic end offices and other Telephone Company end offices where equipment is available. It is provided as a trunk type of Transport Termination.

Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, 01+, 011+ or, respectively. Because operator assisted coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features** (Cont'd)

(b) **Operator Trunk-Coin, Non-Coin, or Combined Coin and Non-Coin** (Cont'd)

The operator assistance coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards.

Non-Coin

This arrangement provides for the routing of 0+, 0-, 1+, 01+, 011+ or, respectively. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features** (Cont'd)

(b) **Operator Trunk-Coin, Non-Coin, or Combined Coin and Non-Coin** (Cont'd)

The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's TSPS systems, rather than in the customer's manual cord boards. When so equipped, the ANI feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, other screening arrangements agreed to between the customer and the Telephone Company.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features** (Cont'd)

(b) **Operator Trunk-Coin, Non-Coin, or Combined Coin and Non-Coin** (Cont'd)

Combined Coin and Non-Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 1+, or 011+, respectively. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features** (Cont'd)

(b) **Operator Trunk-Coin, Non-Coin, or Combined Coin and Non-Coin** (Cont'd)

This arrangement is normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk groups equipped with this arrangement will be terminated in the customer's operator services systems, rather than the customer's manual cord boards. When so equipped, the ANI optional feature provides for the forwarding of information digits which identify that the call has originated from a hotel or motel, and whether room number identification is required, or that special screening is required, e.g., for coinless public stations, dormitory or inmate stations, or other screening arrangements agreed to between the customer and the Telephone Company.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(2) **Transport Termination Nonchargeable Optional Features**
(Cont'd)

(c) **Operator Trunk-Full Feature**

This option provides the initial coin return control function to the customer's operator. It is available with Feature Group D and is provided as trunk type for Transport Termination. Because it requires inband signalling, this feature is not available with the SS7 Signalling option.

(3) **Chargeable Optional Features**

(a) **Interim NXX Translation**

Interim NXX Translation optional feature is an originating offering utilizing trunk side Switched Access Service. The service provides a customer identification function based on the dialed Interim NXX Translated Service Access Code (e.g., 900) and the NXX following the SAC.

The Telephone Company provides for the forwarding of end user dialed 0+ and 1+ SAC-NXX-XXXX calls to the customer, based on the SAC-NXX dialed. Calls to the 900 SAC, however, will be forwarded only when the end user dials 1+900+NXX-XXXX. Calls made to 0+900+NXX-XXXX will be blocked.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(3) **Chargeable Optional Features** (Cont'd)

(a) **Interim NXX Translation** (Cont'd)

When an Interim NXX Translated Service Access Code call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. If the call originated from an end office switch not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to the customer. Calls originating from an end office switch at which the customer identification function is performed, but to which the customer has not ordered Interim NXX Translation, will be blocked.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(3) **Chargeable Optional Features** (Cont'd)

(a) **Interim NXX Translation** (Cont'd)

The manner in which Interim NXX Translation is provided is dependent on the status of the end office from which the service is provided (i.e., equipped with equal access capabilities or not equipped with equal access capabilities). When Interim NXX Translation is provided from an end office equipped with equal access capabilities, it will be provided in conjunction with FGD Switched Access Service. When Interim NXX Translation is provided from an end office not equipped with equal access capabilities, it will be provided in conjunction with FGC Switched Access Service.

Technical limitations may require Interim NXX Translated traffic to be routed on separate trunk groups. Further separation may be required for individual Interim NXX Translated Service Access Codes.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(3) **Chargeable Optional Features**

(b) **Toll Free Number Data Base Access Service**

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

(C)

(C)

(C)

A Basic or Vertical Features Query charge, as set forth in Section 12.#.2.D, following, is assessed for each query launched to the data base which identifies the customer to whom the call will be delivered.

The Basic Query provides the identification of the customer to whom the call will be delivered and includes area of service routing which allows routing of Toll Free Number calls by telephone companies to different interexchange carriers based on the Local Access Transport Area (LATA) in which the call originates.

(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation
Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(3) **Chargeable Optional Features** (Cont'd)

(b) **Toll Free Number Data Base Access Service**
(Cont'd)

(C)

The Vertical Feature Query provides the same customer identification as the basic query plus vertical features which may include: (1) call validation, (ensuring that calls originate from subscribed service areas); (2) POTS translation of Toll Free Number numbers; (3) alternate POTS translation (which allows subscribers to vary the routing of Toll Free Number calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (which allows subscribers to route to different carriers based on factors similar to those in (3)).

(C)

(C)

The manner in which Toll Free Number 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:

(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.3 **Provisions and Description of Switched Access Service Feature Groups** (Cont'd)

6.3.6 **Common Switching Transport Termination and Interim NXX Translation
Optional Features** (Cont'd)

(A) **Optional Features** (Cont'd)

(3) **Chargeable Optional Features** (Cont'd)

(b) **Toll Free Number Data Base Access Service** (Cont'd)

- When Toll Free Number 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. (C)

When Toll Free Number Data Base Access Service originates at an end office not equipped with SSP customer identification capability, the Toll Free Number call will be delivered to the access tandem on which the end office is homed and which is equipped with the SSP feature to query centralized data bases. (C)

Query charges as set forth in Section 12.#.2.D, following, are in addition to those charges applicable for the Feature Group C or Feature Group D switched access service.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.6 Common Switching Transport Termination and Interim NXX Translation
Optional Features (Cont'd)

(A) Optional Features (Cont'd)

(3) Chargeable Optional Features (Cont'd)

(c) Flexible Automatic Number Identification (Flex ANI)

(N)

Flex ANI is a Common Switching Optional Feature that enhances the existing Automatic Number Identification (ANI) (described in 6.3.6(A)(1)(f) preceding) optional feature by allowing Feature Group D (FGD) customers to receive additional information digits. Flex ANI provides additional values for these information digits over and above the values currently available with ANI and is used to identify additional call types, e.g., calls originating from LEC payphones, competitive payphones, an private virtual networks. Flex ANI can be used to provide Originating Line Screening (OLS) service. OLS service is described in 6.3.6(A)(3)(d).

Flex ANI information digits are two digits in length and are activated through switched software program updates. These codes precede the 10-digit directory number of the calling line and are part of the signaling protocol in equal access end offices. The information digits are outpulsed by the switching system along with the directory number from the originating end office and are sent to the receiving office for billing, routing, or special handling purposes.

Customers who have ANI but do not order Flex ANI, will continue to receive the information digits associated with ANI. Flex ANI digits are assigned by the North American Numbering Plan Administrator. The Telephone Company will make available those information digits that are mutually agreed to by the customer and the Telephone Company.

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6. Switched Access Service (Cont'd)

6.3 Provisions and Description of Switched Access Service Feature Groups (Cont'd)

6.3.6 Common Switching Transport Termination and Interim NXX Translation Optional Features (Cont'd)

(A) Optional Features (Cont'd)

(3) Chargeable Optional Features (Cont'd)

(c) Flexible Automatic Number Identification (Flex ANI) (Cont'd)

(N)

Flex ANI is available to customers with FGD Switched Access Service equipped with ANI. Flex ANI is available in suitably equipped end offices as identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

A nonrecurring charge, as set forth in 12.X.4, is associated with this optional feature. This nonrecurring charge is assessed by the Telephone company on a per end office, per Carrier Identification Code (CIC) basis.

(d) Originating Line Screening (OLS) Service

The Telephone Company will OLS Service to aggregators and other customers who obtain local exchange service from the Telephone Company under its general or local exchange tariff. OLS service enables customers to determine whether there are billing restrictions on exchange service lines from which a call originates. OLS service delivers codes on operator assisted calls made from aggregator locations to identify, calls originating from privately owned payphones, and inmate locations, etc.

This charge is applied for each exchange service line to which an OLS code is assigned. The customer must specify the number of exchange service lines and each individual telephone number equipped.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.4 Transmission Specifications**

Each Switched Access Service transmission path is provided with standard transmission specifications. There are three different standard specifications (Types A, B and C). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is directly routed or via an access tandem. The available transmission specifications are set forth in Section 11.2.1, following. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will upon notification by the customer that the data parameters set forth in Sections 11.2.2(A), 11.2.2(B), or 11.2.2(C), following, are not being met, conduct tests independently or in cooperation with the customer, and take any necessary action to insure that the data parameters are met.

The Telephone Company will maintain existing transmission specifications on functioning service configurations installed prior to the effective date of this tariff except that service configurations having performance specifications exceeding the standards listed in this provision will be maintained at performance levels specified in this tariff.

The transmission specifications concerning Switched Access Service are immediate action limits and are set forth in Section 11.2, following. Acceptance limits are set forth in Technical Reference TR-NWT-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.5 **Obligation of the Telephone Company**

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

6.5.1 **Network Management**

The Telephone Company will administer its network to insure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services. Generally, service levels are considered acceptable only when both end users and customers are able to establish connections with little or no delay encountered within the Telephone Company network. The Telephone 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 Telephone Company or customer facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Telephone 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 Section 2.4.3, preceding.

6.5.2 **Design and Traffic Routing of Switched Access Service**

For Feature Group C and Feature Group D, the Telephone Company shall design and determine the routing of Switched Access Service. The Telephone Company shall also decide if capacity is to be provided by originating only, terminating only, or two-way trunk groups. The Telephone Company will decide whether trunk side access will be provided through the use of two-wire or four-wire trunk terminating equipment.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.5 **Obligation of the Telephone Company** (Cont'd)

6.5.2 **Design and Traffic Routing of Switched Access Service** (Cont'd)

Selection of facilities and equipment and traffic routing of the service are based on standard engineering methods, available facilities and equipment, and the Telephone Company traffic routing plans. If the customer desires routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer to develop routing and other local transport arrangements.

The Telephone Company will designate the first point(s) of switching and routing to be used where equal access is provided through a Centralized Equal Access arrangement. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

For Feature Groups A and B, the line trunk directionality and traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.5 **Obligation of the Telephone Company** (Cont'd)

6.5.3 **Provision of Service Performance Data**

Subject to availability, end-to-end service performance data available to the Telephone Company through its own service evaluation routines may 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. These data do not include service performance data which are provided under other tariff sections, e.g., testing service results. The charges for provision of this data will be determined on an individual case basis.

6.5.4 **Trunk Group Measurement Reports**

Subject to availability, the Telephone 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.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.5 **Obligation of the Telephone Company** (Cont'd)

6.5.5 **Determination of Number of Transmission Paths**

The following applies to Switched Access Voice Transmission paths, and does not apply to signalling connections provided with CCSAC. The number of transmission paths for CCSAC connections will be determined jointly by the Telephone Company and the customer.

For Feature Groups A and B, which are ordered on a per line or per trunk basis respectively, and Feature Groups C and D when ordered on a per trunk basis, the customer specifies the type of transport facilities and the number of channels in the order for service.

For Tandem Switched Transport, the Telephone Company will determine the number of Switched Access Service transmission paths to be provided for the Switched Access Feature Group C or 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 Section 6.3.5, preceding) by end office for each Feature Group ordered from a customer's designated premises. The total busy hour minutes of capacity by type for the end office will be converted to transmission paths using standard Telephone Company traffic engineering methods.

6.5.6 **Design Blocking Measurement**

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

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.5 **Obligation of the Telephone Company** (Cont'd)

6.5.6 **Design Blocking Measurement** (Cont'd)

- (A) For Feature Groups A and B, no design blocking criteria apply. For Feature Group C, 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 first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

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 as set forth in reference document Telecommunications Transmission Engineering - Volume 3 - Networks and Services (Chapters 6-7) will be used by the Telephone Company to determine the number of transmission paths requested to achieve this level of blocking.

- (B) The Telephone Company will perform routine measurement functions to assure that an adequate number of transmission paths are in service. The Telephone Company will recommend that additional capacity (i.e., busy hour minutes of capacity) 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.

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6. **Switched Access Service** (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.6 Design Blocking Measurement (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	11-14	7-10	3-6
	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>	<u>Measurements</u>
2	.070	.080	.090	.140
3	.050	.060	.070	.090
4	.050	.060	.070	.080
5-6	.040	.050	.060	.070
7 or more	.030	.035	.040	.060

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6. **Switched Access Service** (Cont'd)

6.5 Obligation of the Telephone Company (Cont'd)

6.5.6 Design Blocking Measurement (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			
	<u>15-20 Measurements</u>	<u>11-14 Measurements</u>	<u>7-10 Measurements</u>	<u>3-6 Measurements</u>
2	.045	.055	.060	.095
3	.035	.040	.045	.060
4	.035	.040	.045	.055
5-6	.025	.035	.040	.045
7 or more	.020	.025	.030	.040

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6. **Switched Access Service** (Cont'd)

6.5 Obligations of the Telephone Company (Cont'd)

6.5.7 Design Layout Report

At the request of the customer, the Telephone 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.

6.6 Obligations of the Customer

In addition to the obligations of the customer set forth in Section 2.3, preceding, the customer has certain specific obligations pertaining to the use of Switched Access Service. These obligations are as follows:

6.6.1 Supervisory Signalling

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

6.6.2 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 Telephone Company. These data will be used to monitor trunk group utilization and service performance and will be provided based on previously arranged intervals and format.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations**

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

6.7.1 **Application of Rates and Charges**

(A) **Nonrecurring Charges**

Except as noted in Section 6.7.1(A)(4), following, nonrecurring charges apply to each installation of service as a one time charge. Nonrecurring charges are set forth in Section 12.#.2(A), following. Changes to existing services other than administrative changes will be treated as a discontinuance of the existing service and an installation of a new service.

(1) **Installation of Service**

A Local Transport nonrecurring installation charge as set forth in Section 12.#.2(A)1, following, will be applied at the serving wire center for each Entrance Facility installed. Additionally, an End Office nonrecurring installation charge as set forth in Section 12.#.2(A)2, following, will be applied at the end office on a per order basis for each Direct Trunked Transport facility, whether voice grade or DS1. A maximum of 24 trunks can be activated on a DS1 facility.

For example, if a customer orders a DS1 Entrance Facility and requests activation of 18 of the available circuits, the customer will be charged one Local Transport High Capacity DS1 Installation nonrecurring charge at the serving wire center and one installation nonrecurring charge. If at a later date the customer requests the activation of three more circuits, the customer will then be charged one installation nonrecurring charge.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(A) **Nonrecurring Charges** (Cont'd)

(2) **Non-Chargeable Changes**

The following administrative changes will be made without charge:

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

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(A) **Nonrecurring Charges** (Cont'd)

(3) **Customer Identification Function for Interim NXX Translation**

Nonrecurring charges apply for the installation of the Interim NXX Translation feature and for each order received to add or change NXX translation codes. This charge applies whether this optional feature is installed coincident with or at any time subsequent to the installation of Switched Access Services. This charge is applied per Telephone Company, per order, per end office. In some cases, a charge is applied per NXX, in addition to the above charge.

If, due to technical limitations of the Telephone Company, a customer could not combine its Interim NXX traffic with its other trunk side Switched Access Services, no charge shall apply to combine these trunk groups when it becomes technically possible.

(4) **Waiver of Nonrecurring Charges**

The nonrecurring charge set forth in Section 12.#.2(A), following, will be waived through July 1, 1994, for service connection when an IC converts trunks from tandem-switched to direct-trunked or from direct-trunked to tandem-switched or when an IC orders the disconnection of over-provisioned trunks.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges**

Rates are applied either as premium rates or transitional rates. Transitional rates are discounted access minute rates for measured or assumed access minutes.

The specific application of these rates for a specific customer is dependent upon the Feature Group, type of Entrance Facility, type of transport (e.g., Direct Trunked Transport, Tandem Switched Transport), type of Multiplexing, and the availability of equal access capabilities in the end office to which the service is provided. For FGC service, the specific application of these rates is dependent on the use made of the FGC service as described in Section 6.3.3, preceding.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(1) **Premium Rates**

Premium rates as set forth in Section 12.#.2, following, apply to all FGA and FGB access minutes that originate from or terminate at end offices equipped with equal access (i.e., originating and terminating FGD) capabilities and to all access minutes that originate or terminate at end offices not equipped with equal access capabilities when the service is provided to customers who furnish interstate MTS/WATS. Premium Access rates as set forth in Section 12.#.2, following, apply to all FGC access minutes only to providers of MTS and WATS at end offices not equipped for equal access. In addition, premium rates apply to FGB access minutes when utilized in the provision of MTS/WATS service.

When only premium access minutes are carried over flat rated services, premium rates will apply to all of the flat rated rate elements (e.g., Entrance Facility, Direct Trunked Facility, Direct Trunked Termination, and Multiplexing).

(a) **Abbreviated Dialing Arrangement (ADA)**

Premium rates multiplied by the ADA rate factor of 95% apply to all FGB with ADA access minutes.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.7 **Rate Regulations** (Cont'd)6.7.1 **Application of Rates and Charges** (Cont'd)(B) **Recurring Charges** (Cont'd)(2) **Transitional Rates**

Transitional Access Rates (i.e., discounted access minute rates) apply to all FGA and FGB access minutes originating or terminating in an end office which is not equipped with equal access capabilities. In addition, transitional rates apply to FGC access minutes originating in an end office which is not equipped with equal access capabilities when the FGC service is used in conjunction with the Interim NXX Translation Service optional feature, by customers who do not furnish interstate MTS/WATS.

(3) **Mixed Use Premium/Transitional Rates**

When both premium and transitional access minutes are carried over the same flat rated facilities, a portion of the facilities (e.g., Entrance Facility, Direct Trunked Transport, and Multiple xing) will be billed premium rates and the remaining portion will be billed transitional rates. The portion to be billed premium rates will be determined by applying telephone company premium-to-transitional ratios that are based on premium end office minutes of use divided by total end office minutes of use. These ratios will be developed quarterly by the Telephone Company based on minutes of use from those end offices whose Switched Access (both Direct Trunked and Tandem Switched) is directly or indirectly connected with the same Flat Rated Facility.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) When FGA or FGB Switched Access Service except as set forth in (1), preceding, provided to an entry switch (i.e., dial tone office for FGA and access tandem for FGB) has usage originating from and/or terminating at both end offices that have been converted to equal access and end offices that have not been converted, the premium and non-premium transitional rates will apply in the following manner.

(a) All access minutes that originate from or terminate at the equal access end office(s) will be billed at premium rates. Access minutes that originate from or terminate at end offices not equipped with equal access capabilities, hereinafter referred to as transitional access minutes, will continue to be billed at transitional rates. Transitional rates will apply as follows depending on the type of service.

(i) For FGA and FGB services, the number of transitional access minutes to be billed at transitional rates is derived by subtracting the number of premium rated access minutes from the total number of access minutes.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(a) (Cont'd)

(ii) Premium access minutes will be determined as set forth in (b), following.

(b) The number of access minutes to be rated as premium access minutes is determined as follows:

(i) Where end office specific usage data is available, premium rates apply to the measured access minutes originating from or terminating at the equal access end offices(s).

(ii) Where end office specific usage data is not available for originating and/or terminating FGA, the total originating and/or terminating usage will be measured or assumed usage at the entry switch as set forth in Section 6.7.4, following.

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

FGA originating and/or terminating usage will then be apportioned between premium and non-premium access minutes in the following manner. For originating usage, develop the ratio of the number of subscriber lines in the local calling area of the entry switch that are served by equal access end offices to the total number of subscriber lines in that local calling area. For terminating usage, develop the ratio of the number of subscriber lines in the valid calling area of the entry switch that are served by the equal access end offices to the total number of subscriber lines in that valid calling area. Then apply these ratios to the total number of

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(ii) (Cont'd)

originating and/or terminating FGA access minutes respectively to determine the usage to be billed at premium rates, unless adjusted as set forth in (iv), following. The local calling area of the entry switch is as defined in the Telephone Company's local and/or general exchange service tariff. The valid calling area of the entry switch is as defined in the Telephone Company's interstate access service tariff. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, provided by the Telephone company under its local and/or general exchange service tariff.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

- (iii) Where end office specific usage data is not available for originating and/or terminating FGB, the total originating and/or terminating usage will be measured or assumed usage at the entry switch (i.e. access tandem) as set forth in Section 6.7.4, following. FGB originating and/or terminating usage will then be apportioned between premium and non-premium access minutes in the following manner. First, develop the ratio of the number of

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(iii) (Cont'd)

subscriber lines provided to end offices subtending the access tandem that are served by equal access end offices to the total number of subscriber lines in all end offices subtending the access tandem. Then apply this ratio to the total number of originating and/or terminating FGB access minutes to determine the usage to be billed at premium rates, unless adjusted as set forth in (iv), following. For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex-type lines provided by the Telephone Company under its local and/or general exchange tariff.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(iii) (Cont'd)

The ratio used to calculate the premium usage as forth in (ii) and (iii), preceding, will be determined on a quarterly basis and provided to the customer with the last bill rendered for the preceding quarter or mailed separately within five working days after the first day of the new quarter. A quarter is defined for these purposes as beginning on the first day of January, April, July or October.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(b) (Cont'd)

(iv) Where FGD Switched Access Service is provided to a customer in an end office(s) where that customer's premium access minutes have been determined in accordance with (ii) and (iii), preceding, such premium access minutes will be adjusted in the following manner. For each FGD access minute originating and/or terminating from that end office, the premium access minutes as set forth in (ii) and (iii), preceding, will be reduced on a one for one basis, but in no event shall the reduction exceed the total number of premium access minutes as set forth in (ii) and (iii), preceding, from that end office. The customer will be billed for the revised number of premium access minutes.

(c) Where originating and/or terminating measurement capability does not exist for Feature Group A or Feature Group B Switched Access Services, provided to an entry switch, the number of access minutes that will be assumed are as set forth in Section 6.7.4, following.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(4) (Cont'd)

(c) (Cont'd)

The Telephone Company will provide written notification to all access customers of record within a particular LATA that an end office in that LATA is scheduled to be converted to an equal access end office. This notification will be sent, via certified U.S. Mail, to each customer of record in the LATA where the conversion is scheduled to occur, at least six months in advance of the conversion date.

The customer will have the choice of converting existing services to equal access (i.e., Feature Group D) or retaining the existing services. The conversion of existing services will be at no charge provided the order to convert such services to Feature Group D is received as set forth in Section 6.7.3, following. Premium rates will apply to the total access minutes beginning on the actual conversion date, whether the customer chooses to convert to FGD or retain existing services.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(5) **FGA Access Within Extended Area Service Area**

Where Feature Group A switched access usage is between a Primary Exchange Carrier and a Secondary Exchange Carrier, within the same Extended Area Service calling area, and the Primary and Secondary Exchange Carriers are not the same Telephone Company, the Primary Exchange Carrier will charge the customer according to the revenue sharing agreement as set forth in Section 2.4.5, preceding. The usage to be charged will be determined as set forth following:

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(5) **FGA Access Within Extended Area Service Area** (Cont'd)

- (a) Where end office specific usage data are available, such data will be used to determine the charges.
- (b) Where end office specific usage data are not available, the following method will be used to determine the applicable access minutes of use. The total originating and/or terminating usage will be the measured usage at the entry switch (i.e., dial tone office) or the assumed usage as set forth in Section 6.7.4, following.

Originating and/or terminating usage will then be apportioned between the Primary and Secondary Exchange Carriers in the following manner:

- (i) For originating usage, develop ratios of the total number of subscriber lines in each secondary exchange to the total number of subscriber lines in the Primary Exchange Carrier's Extended Area Service area served by the dial tone office. Then apply these ratios to the total number of originating access minutes to determine access minutes for each secondary exchange.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(5) **FGA Access Within Extended Area Service Area** (Cont'd)

(b) (Cont'd)

(ii) For terminating usage, develop ratios of the total number of subscriber lines in each secondary exchange to the total number of subscriber lines in the Primary Exchange Carrier's Extended Area Service area served by the dial tone office. Then apply these ratios to the total number of terminating access minutes to determine access minutes for each secondary exchange.

(iii) In those instances where a Secondary Exchange Carrier's exchange is part of two or more primary Exchange Carriers' Extended Area Service areas, the Secondary Exchange Carrier's subscriber line count described above must be apportioned between each Primary Exchange Carrier's Extended Area Service area. This apportionment will be based upon ratios of the subscriber line count of all exchanges other than the Secondary Exchange Carrier's in a Primary Exchange Carrier's Extended Area Service area, of which the Secondary Exchange Carrier's

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

(5) **FGA Access Within Extended Area Service Area** (Cont'd)

(b) (Cont'd)

Exchange is part divided by the subscriber line count of all exchanges other than the Secondary Exchange Carrier in all Primary Exchange Carrier Extended Area Service areas of which the Secondary Exchange Carrier's exchange is a part.

(iv) For purposes of administering this regulation, subscriber lines are defined as exchange service lines, Centrex Lines and Centrex-type lines provided by the telephone companies under local and/or general exchange service tariffs.

(6) The ratio used to calculate the access minutes a set forth in (3)(a) and (4)(a), preceding, will be determined by the Telephone Company and provided to the customer upon his request within 15 days of the receipt of such request.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(B) **Recurring Charges** (Cont'd)

- (7) When originating FGD is not available in an end office, and terminating FGD service to an access tandem in a LATA is available, such terminating FGD service may be used, at the option of the customer, to terminate FGD calls to that end office. Premium FGD rates apply to all access minutes associated with such calls.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(C) **Toll Free Number Data Base Access Service**

(C)

A Basic Query or a Vertical Feature Query charge applies for each query that is launched to an Toll Free Number data base and identifies the customer to whom the call will be delivered. The Query charge applied will depend on the features used in making the data base query. Queries using vertical service features outlined above will be charged the Vertical Feature Query charge. All other queries will be charged the Basic Query charge. Query charges, as set forth in Section 12.#.2(D), following, will only be applied by those companies whose wire centers are identified as assessing query charges in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(C) **Toll Free Number Data Base Access Service** (Cont'd)

(C)

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

(C)

(C)

- Three end office (EO-1, EO-2, and EO-3) subtend a tandem

EO-1 measures 2,000 minutes of Toll Free Number use	
EO-2 measures 3,000 minutes of Toll Free Number use	
EO-3 measures <u>5,000</u> minutes of Toll Free Number use	
10,000	Total

(C)

- The tandem delivers Toll Free Number usage to two customers:

(C)

(C)

IC-A has 4,000 minutes of use
 IC-B has 6,000 minutes of use

(C)

- The allocation ratio for EO-1 is 20%

2,000/10,000

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.1 **Application of Rates and Charges** (Cont'd)

(C) **Toll Free Number Data Base Access Service** (Cont'd)

(C)

- The minutes of use to be billed by EO-1 are

800 to IC-A (20% X 4,000)

1,200 to IC-B (20% X 6,000)

2,000

Total

6.7.2 **Minimum Periods**

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

6.7.3 **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 is calculated as follows.

For usage rated Local Transport, Local Switching and Directory Assistance Information Surcharge rate elements, the minimum monthly charge is the sum of the charges set forth in Sections 12.#.2.(B) and 12.#.2.(C), following, for the measured or assumed usage for the month.

For flat rated Local Transport rate elements, the minimum monthly charge is the sum of the recurring charges set forth in Section 12.#.2.(B), following, prorated to the number of days or major fraction of days based on a 30-day month.

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes**

Customer traffic to end offices will be measured (i.e., recorded or assumed) by the Telephone Company. Originating and terminating calls will be measured (i.e., recorded or assumed) by the Telephone Company to determine the basis for computing chargeable access minutes. In the event customer message detail is not available because the Telephone Company lost or damaged tapes or incurred recording system outages, the Telephone Company will compute chargeable access minutes by estimating the volume of lost customer messages based on previously known values. This estimated customer message volume will be provided to the customer. For terminating calls over FGA and FGB, FGC to Toll Free Number, and FGD, and for originating calls over FGA (when the off-hook supervisory signal is provided by the customer's equipment before the called party answers) and FGB, and FGD, the measured minutes are the chargeable access minutes. For originating calls over FGA (when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers), and FGC, chargeable originating access minutes are derived from recorded minutes in the following manner.

(C)

Step 1: Obtain recorded originating minutes and messages (measured as set forth in (C), following, for FGA), when the off-hook supervisory signal is forwarded by the customer's equipment when the called party answers and for FGC 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, operator, Toll Free Number, individual Interim NXX Translated Service Access Codes, directory assistance and international from a sample study which analyzes the ultimate completion status of the total attempts which receive acknowledgment from the customer. That is, Measured Messages divided by Completion Ratio equals Total Attempts.

(C)

ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

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 incompletd 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 incompletd 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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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **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

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

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

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

Usage rated FGA, FGB, FGC and FGD access minutes are accumulated over the billing period for each end office. When the calculation of access minutes results in a fraction, the fraction will be rounded up to the nearest access minute for each end office.

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities.

The assumed average access minutes used for services originating or terminating in offices where measurement capability does not exist are set forth in (B), following.

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ACCESS SERVICE6. **Switched Access Service** (Cont'd)6.7 **Rate Regulations** (Cont'd)6.7.4 **Measuring Access Minutes** (Cont'd)

- (A) Where originating and terminating measurement capability does not exist for Feature Group A provided to an entry switch, the number of access minutes will be assumed to be 3,080 access minutes per line per month when the line is arranged for two-way calling (1,629 originating and 1,451 terminating).

Where measurement capability exists for either originating or terminating usage, but not both, on a line arranged for two way calling, the number of access minutes per line per month will be an assumed 3,080 or the measured usage, whichever is greater. If the usage in the measured direction exceeds 3,080 access minutes per line per month, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 3,080 access minutes per line per month, the usage in the unmeasured direction will be the assumed usage for that unmeasured direction; the total of measured and assumed minutes not to exceed the total assumed usage of 3,080 access minutes designated for two-way calling. If the total exceeds 3,080 access minutes the assumed minutes shall be reduced so that the total of measured and unmeasured minutes equals 3,080 access minutes.

Additionally, when the line is arranged for one-way calling and there is no measurement capability for that direction, 1,629 access minutes per month will be assumed for originating calling only lines and 1,451 access minutes per month will be assumed for terminating calling only lines.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(A) (Cont'd)

Notwithstanding the preceding, when Feature Group A is used for the provision of WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group A entry switch, the measured WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of access minutes per line per month will be the assumed or the measured usage, whichever is greater.

(B) Where originating and terminating measurement capability does not exist for Feature Group B provided to an entry switch, the number of access minutes will be assumed to be 9,000 access minutes per trunk per month when the trunk is arranged for two way calling.

Where measurement capability exists for either originating or terminating usage, but not both, on a trunk arranged for two way calling, the number of access minutes per trunk per month will be an assumed 9,000 or the measured usage, whichever is greater. If the usage in the measured direction exceeds 9,000 access minutes per trunk per month, it will be assumed that there is zero usage in the unmeasured direction. If the measured usage is less than 9,000 access minutes per trunk per month, the usage in the unmeasured direction will be the assumed usage for that unmeasured direction; (the total of measured and assumed minutes not to exceed the total assumed usage of 9,000 access minutes designated for two-way calling.) If the total exceeds 9,000 access minutes the assumed minutes shall be reduced so that the total of measured and unmeasured minutes equals 9,000 access minutes.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(B) (Cont'd)

Additionally, when the trunk is arranged for one-way calling and there is no measurement capability for that direction, 4,500 access minutes per month will be assumed for originating calling only lines and 4,500 access minutes per month will be assumed for terminating calling only lines.

Notwithstanding the preceding, when Feature Group B is used for the provision of WATS or WATS-type service where measurement capability exists at the WATS Serving Office but not at the Feature Group B entry switch, the measured WATS or WATS-type originating and/or terminating minutes of use shall be separately summed and compared to their respective total assumed originating and/or terminating minutes of use. The number of minutes per trunk per month will be the assumed or the measured usage, whichever is greater.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(C) **Feature Group A Usage Measurement**

For originating calls over FGA, usage measurement begins when the originating FGA entry switch receives an off-hook supervisory signal forwarded from the customer's point of termination. This off-hook signal may be provided by the customer's equipment before the called party answers, or forwarded by the customer's equipment when the called party answers.

The measurement of originating call usage over FGA ends when the originating FGA entry switch receives an on-hook supervisory signal 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.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(C) **Feature Group A Usage Measurement** (Cont'd)

For terminating calls over FGA, usage measurement begins when the terminating FGA entry switch receives an off-hook supervisory signal from the terminating end user's end office, indicating the terminating end user has answered. The measurement of terminating call usage over FGA ends when the terminating FGA entry switch receives an on-hook supervisory signal from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the entry switch.

(D) **Feature Group B Usage Measurement**

For originating calls over FGB, usage measurement begins when the originating FGB entry switch 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 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 FGB, usage measurement begins when the terminating FGB entry switch receives answer supervision from the terminating end user's end office, indicating the terminating end user has answered.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

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

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

(E) **Feature Group C Usage Measurement**

(1) **Originating Usage**

For originating calls over FGC, provided with Multifrequency Signalling, usage measurement begins when the originating FGC entry switch receives answer supervision from the customer's point of termination, indicating the called party has answered.

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

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

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(E) **Feature Group C Usage Measurement** (Cont'd)

(1) **Originating Usage** (Cont'd)

The measurement of originating call usage over FGC provided with Multifrequency Signalling ends when the originating FGC 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.

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

(2) **Terminating Usage**

For terminating calls over FGC to services other than Toll Free Number, Interim NXX Translated Service Access Codes, or directory assistance, terminating FGC usage is not directly measured at the terminating entry switch, but is imputed from originating usage, excluding usage from calls to Toll Free Number, 900 or directory assistance services.

Jurisdictional assignment of Toll Free Number Service over FGC is imputed for both originating and terminating usage. (C)

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ACCESS SERVICE

6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(E) **Feature Group C Usage Measurement** (Cont'd)

(2) **Terminating Usage** (Cont'd)

For terminating calls over FGC the chargeable access minutes are either measured or derived. For terminating calls over FGC where measurement capability does not exist, terminating FGC usage is derived from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

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

The Telephone Company shall review for reasonableness on a quarterly basis all factors used in imputing terminating minutes. Factors will be modified when necessary based on the review.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(E) **Feature Group C Usage Measurement** (Cont'd)

(2) **Terminating Usage** (Cont'd)

For terminating calls over FGC to Toll Free Number Service, usage measurement begins when the terminating FGC entry switch receives answer supervision from the terminating end user's end office, indicating the terminating Toll Free Number Service end user has answered. (C)

The measurement of terminating call usage over FGC to Toll Free Number Service ends when the terminating FGC entry switch receives an on-hook supervisory signal from the terminating end user's end office, indicating the terminating Toll Free Number Service end user has disconnected, or from the customer's point of termination, whichever is recognized first by the entry switch. (C)

(F) **Feature Group D Usage Measurement** (C)

(1) **Originating Usage**

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

For originating calls over FGD, provided with Multifrequency Signalling, 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.

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(F) **Feature Group D Usage Measurement** (Cont'd)

(1) **Originating Usage** (Cont'd)

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

For originating calls over FGD provided with Signalling System 7 (SS7) Signalling 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 Multifrequency Signalling 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 switch.

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

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6. **Switched Access Service** (Cont'd)

6.7 **Rate Regulations** (Cont'd)

6.7.4 **Measuring Access Minutes** (Cont'd)

(F) **Feature Group D Usage Measurement** (Cont'd)

(2) **Terminating Usage**

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

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

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

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

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