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ACCESS SERVICES

6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a 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 both common subscriber plant and unshared subscriber plant (i.e., WATS access lines) 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. Specific reference to material describing the elements of Switched Access Service are provided in 6.2.

The following provision applies to the treatment of Toll VoIP-PSTN Traffic pursuant to the FCC Part 51 Interconnection Rules and in compliance with the FCC Report and Order and Further Notice of Proposed Rulemaking in CC Docket Nos. 96-45 and 01-92; GN Docket No. 09-51; WC Docket Nos. 03-109, 05-337, 07-135 and 10-90; and WT Docket No. 10-208, adopted October 27, 2011 and released November 18, 2011 (FCC 11-161). In the absence of an interconnection agreement between the Telephone Company and the customer specifying the treatment of Toll VoIP-PSTN Traffic, the Telephone Company will bill the customer the applicable switched access rates and charges specified in Section 13.2 following, on all jurisdictionally intrastate voice traffic identified as Toll VoIP-PSTN Traffic.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS for WATS services. Rates and charges for Switched Access Service are set forth in 13.2 following. The application of rates for Switched Access Service is described in 6.8 following.

6.2 Rate Categories

The rate categories which apply to Switched Access Service are:

- Entrance Facility
- Tandem Switched Transport
- Direct Trunked Transport
- Multiplexing
- Local Switching
- Information Surcharge
- Toll Free Data Base Access Service Query Charge(s) (T)
- Equal Access Recovery Charge

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

For Diagrams, see National Exchange Carriers F.C.C. Tariff No. 5, Section 6 (D)(N)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories

The Transport elements provide the transmission facilities between the interconnection point and each end office switch of the Telephone Company where the customer's traffic is switched when originating and terminating the customer's traffic. The transport rate categories include four classifications of rate elements: 1) Entrance Facility, 2) Common Transport and Tandem Switched Transport, 3) Direct Trunked Transport and 4) Multiplexing. (N)

1. Entrance Facility

The Entrance Facility recovers a portion of the costs associated with a communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Entrance Facility is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the customer designated premises and the type of signaling capability, if any.

(L)

Five types of Entrance Facility are available:

- Voice Grade 2 or 4 wire –an analog channel with an approximate bandwidth of 300 to 3000 Hz;
- High Capacity DS1 – an isochronous serial digital channel with a rate of 1.544 Mbps;
- High Capacity DS3 –an isochronous serial digital channel with a rate of 44.736 Mbps;
- Synchronous Optical Channel OC3 –a synchronous optical channel with a rate of 155.52 Mbps;
- Synchronous Optical Channel OC12 – a synchronous optical channel with a rate of 622.08 Mbps.

The minimum period for which a High Capacity DS3 or Synchronous Optical Channel Entrance Facility is provided is twelve months.

One charge applies for each Entrance Facility that is terminated at a customer designated premises. This charge specified in Section 13.2.2, following, will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building, except as follows. (N)

(L) Text relocated to Original Sheet 104.1 (D)

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

1. Entrance Facility (Cont'd)

The Entrance Facility charge specified in Section 13.2.2, following, will not apply when: (1) the customer designated premises and serving wire center are physically (including caged, cageless, shared and adjacent arrangements) or virtually collocated as those terms are used in 47 C.F.R. § 51.323 and (2) the customer obtains such collocation for the purpose of interconnection with the Telephone Company's network for the transmission and routing of telephone exchange service, exchange access or both, and for the purpose of providing local exchange or exchange access services to its customers. (N)

The Telephone Company specific rate band assignment for the Entrance Facility rate element is specified in the Local Transport (LT) column in National Exchange Carriers Tariff F.C.C. No. 5, Section 17.5.1.

A customer's 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. (N)

Entrance Facility is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user 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 3000 Hz. (C)(L1)

Entrance Facility provides that portion of the telephone company frequency transmission path which extends from the interconnection point to the IC's first point of switching and includes both the physical outside plant facilities and necessary transmission equipment inside and outside of the central office (voice grade transmission facilities/interface and conditioning arrangements). (C) (L2)

The Entrance Facility rate will apply to each switched access service at the interexchange carriers' serving wire center and will also apply if the IC serving wire center and the end user wire center are collocated. The Entrance Facility rate is applied on a per trunk or circuit path for all switched access feature groups. (C) (L2)

(L1) Text relocated from Sheet 105
(L2) Text relocated from First Revised Sheet 104

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

2. Common Transport and Tandem Switched Transport

Common Transport and Tandem Switch Transport provides for the frequency transmission path(s) from the IC's first point of switching to the telephone company end office(s) *which may be a Remote Switching Center*, and *may* include the access tandem switch, the physical outside plant facilities and necessary transmission equipment including those found in intermediate offices. (L1)

a. Common Transport

Common Transport rate applies to the transport of calls in the originating direction.

The Common Transport rate will not apply if the IC's first point of switching and the end user serving wire center are collocated. Common Transport is assessed on a per access minute basis for all switched access feature groups. (L1)

Common Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch, which may be a Remote Switching Center, to the customer's designated premises) and in the terminating direction (from the customer's designated premises to the end office switch, which may be a Remote Switching Center), 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 3000 Hz. (L2) (L2)

(L1) Text relocated from First Revised Sheet 104

(L2) Text relocated from First Revised Sheet 105

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

2. Common Transport and Tandem Switched Transport

Common Transport and Tandem Switched Transport provides for the frequency transmission path(s) from the IC's first point of switching to the telephone company end office(s) *which may be a Remote Switching Center*, and *may* include the access tandem switch, the physical outside plant facilities and necessary transmission equipment including those found in intermediate offices.

a. Common Transport

Common Transport rate applies to the transport of Non-Toll Free calls in the originating direction. (T)

The Common Transport rate will not apply if the IC's first point of switching and the end user serving wire center are collocated. Common Transport is assessed on a per access minute basis for all switched access feature groups.

Common Transport is a two-way voice frequency transmission path composed of facilities determined by the Telephone Company. The two-way voice frequency transmission path permits the transport of calls in the originating direction (from the end user end office switch, which may be a Remote Switching Center, to the customer's designated premises) and in the terminating direction (from the customer's designated premises to the end office switch, which may be a Remote Switching Center), 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 3000 Hz.

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

2. Common Transport and Tandem Switched Transport (Cont'd)

b. Tandem Switched Transport

The Tandem Switched Transport rates apply to the transport of calls in the terminating direction, per 47 CFR 51.903(j), and the transport of Toll Free calls in the originating direction, per 47 CFR 51.909(m)(4). (C)

Terminating Tandem Switched Transport rates consist of a Tandem Switching rate, a Tandem Switched Facility rate, and a Tandem Switched Termination rate. (T)

1) The Tandem Switching rate recovers a portion of the costs of switching traffic through an access tandem. The Tandem Switching rate specified in 13.2, following, is applied on a per access minute per tandem basis for all terminating minutes of use switched at the tandem. Tandem locations are identified in National Exchange Carrier Association, Inc. Tariff No. 4, Wire Center Information. (T)

2) The Tandem Switched Facility rate recovers a portion of the costs of transmission facilities, including intermediate transmission circuit equipment, between the end points of interoffice circuits. The Tandem Switched Facility rate specified in 13.2, following, is applied on a per access minute per mile basis for terminating minutes of use routed over the facility.

3) The Tandem Switched Termination rate recovers a portion of the costs of circuit equipment necessary for the termination of each end of each measured segment of the Tandem Switched Facility. The Tandem Switched Termination rate specified in 13.2, following, is applied on a per access minute basis (for terminating minutes of use routed over the facility) at each end of each measured segment of Tandem Switched Facility (e.g., at the end office, Feature Group A dial tone office, host office and the access tandem). When the Tandem Switched Facility mileage is zero, neither the Tandem Switched Facility rate nor the Tandem Switched Termination rate will apply. (T)

Originating Toll Free Joint Tandem Switched Transport access rate consists of a rate applied to Toll Free originating calls on a per minute per tandem basis, in lieu of the Tandem Switching, Tandem Switched Facility and Tandem Switched Termination rates and is only billed by the tandem company that performs the tandem switching function. (N)

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd) (L)

(N)

3. Direct Trunked Transport

The Direct Trunked Transport rate elements recover a portion of the cost associated with a communications path or circuits dedicated to the use of a single customer between:

- the serving wire center and an end office,
- the serving wire center and a tandem,
- the serving wire center and a hub,
- a hub and an end office,
- the serving wire center and an ADM equipped wire center where add/drop multiplexing functions are performed,
- an ADM equipped wire center and an end office.

Direct Trunked Transport is available at all tandems and to all end offices except those end offices 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:from (1) end offices that provide equal access through a Centralized Equal Access arrangement, or (2) from end offices that lack recording or measurement capability (D)

Normally, Direct Trunked Transport of originating 800 series calls from an end office is available only from Service Switching Point (SSP) equipped end offices. However, certain SSP equipped end offices cannot accommodate the direct trunking of the 800 series (other than the 800 service access code) service access code. These end offices are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4. Additionally, certain non-SSP equipped end offices can accommodate direct trunking of originating 800 series calls. These end offices are also identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., TARIFF F.C.C. NO. 4. (N) (D)

(L) Text relocated to First Revised Sheet 104.1

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

3. Direct Trunked Transport (Cont'd)

Five types of Direct Trunked Transport are available:

- Voice Grade 2 or 4 wire – an analog channel with an approximate bandwidth of 300 to 3000 Hz;
- High Capacity DS1 – an isochronous serial digital channel with a rate of 1.544 Mbps;
- High Capacity DS3 – an isochronous serial digital channel with a rate of 44.736 Mbps;
- Synchronous Optical Channel OC3 – a synchronous optical channel with a rate of 155.52 Mbps;
- Synchronous Optical Channel OC12 – a synchronous optical channel with a rate of 622.08 Mbps.

High Capacity DS3 Direct Trunked Transport cannot be terminated at end offices that are not identified as hub offices that provide DS3 to DS1 multiplexing. (N)

Synchronous Optical Channel Service OC3 or OC12 Direct Trunked Transport cannot be terminated at end offices that are not identified as ADM equipped wire centers that provide OC3 to DS1 or OC12 to OC3 Add/Drop Multiplexing.

Additionally, DS1 Direct Trunked Transport cannot 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 and add/drop multiplexing functions are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, WIRE CENTER INFORMATION.

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(L) Text relocated to Original Sheet 105.5

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

3. Direct Trunked Transport (Cont'd)

Direct Trunked Transport rates consist of a Direct Trunked Facility rate specified in Section 13, following, 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, tandem, hub, ADM equipped wire center, 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 transmission facilities, including intermediate transmission circuit equipment, between the end points of the interoffice circuits.

The Direct Trunked Termination rate specified in Section 13, following, recovers a portion of the costs of the circuit equipment that is necessary for the termination of each end of the Direct Trunked Facility. The Telephone Company specific rate band assignment for the Direct Trunked transport rate elements is specified in the Local Transport (LT) column in the National Exchange Carrier Association Tariff, F.C.C. No. 5 Section 17.5.1, following.

The minimum period for which High Capacity DS3 or Synchronous Optical Channel Direct Trunked Transport is provided is twelve months.

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

4. Multiplexing

Multiplexing provides an arrangement for converting a single, higher capacity or bandwidth circuit to several lower capacity or bandwidth circuits. When a derived channel is itself multiplexed to derive additional channels with a lesser capacity, this is referred to as cascade multiplexing. When cascade multiplexing occurs, a charge for the additional multiplexing function applies. When cascade multiplexing is performed at different hubbing locations, Direct Trunked Transport charges also apply between the hubs. Multiplexing is only available at wire centers identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF NO. 4, WIRE CENTER INFORMATION. The following multiplexing arrangements are offered for use with Switched Access Service.

a) DS3 to DS1 Multiplexing charges specified in Section 13, following, apply when a High Capacity DS3 Entrance Facility or High Capacity DS3 Direct Trunked Transport is connected with High Capacity DS1 Direct Trunked Transport. The Telephone Company specific rate band assignment for the DS3 to DS1 Multiplexing rate element is specified in the Local Transport (LT) column in the National Exchange Carrier Association, Inc. Tariff No. 5, Section 17.5.1. The DS3 to DS1 multiplexer will convert a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing

b) DS1 to Voice Grade Multiplexing charges specified in Section 13, following, apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport 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 Telephone Company specific rate band assignment for the DS1 to Voice Grade Multiplexing rate element is specified in the Local Transport (LT) column in the National Exchange Carrier Association, Inc. Tariff No. 5, Section 17.5.1. The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels.

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

5. Add/Drop Multiplexing

Add/Drop Multiplexing provides a type of multiplexing function in connection with Synchronous Optical Channel Service that allows lower level signals to be added or dropped from a high speed optical carrier channel within a Telephone Company wire center.

The Add/Drop Multiplexing Central Office Port charge specified in Section 13, following, applies to the interface provided at a Telephone Company wire center for the purpose of adding or dropping lower capacity services from Synchronous Optical Channel Entrance Facilities or Direct Trunked Transport. Central Office Ports are available at the following speeds:

Central Office Port	Speed
OC3	155.52 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

OC12 service may only be multiplexed to OC3 channels.

When an OC3 channel is derived from an OC12 service and is further multiplexed to obtain DS3 service, a DS3 port charge will apply in addition to the OC3 port charge.

When a DS3 channel is derived from an OC3 service and is further multiplexed to obtain DS1 service, a DS3 to DS1 Multiplexing charge will apply in addition to the DS3 port charge.

When a DS1 channel is directly derived from an OC3 service, a DS1 port charge will apply.

When a DS1 channel is further multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge will also apply.

Add/Drop 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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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

4. Multiplexing (Cont'd)

a) DS1 to Voice Grade Multiplexing charges specified in Section 13, following, apply when a High Capacity DS1 Entrance Facility or High Capacity DS1 Direct Trunked Transport 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 Telephone Company specific rate band assignment for the DS1 to Voice Grade Multiplexing rate element is specified in the Local Transport (LT) column in the National Exchange Carrier Association, Inc. Tariff No. 5, Section 17.5.1. The DS1 to Voice Grade multiplexer will convert a 1.544 Mbps channel to 24 Voice Grade channels. (L) (L)

5. Add/Drop Multiplexing (L1)

Add/Drop Multiplexing provides a type of multiplexing function in connection with Synchronous Optical Channel Service that allows lower level signals to be added or dropped from a high speed optical carrier channel within a Telephone Company wire center.

The Add/Drop Multiplexing Central Office Port charge specified in Section 13, following, applies to the interface provided at a Telephone Company wire center for the purpose of adding or dropping lower capacity services from Synchronous Optical Channel Entrance Facilities or Direct Trunked Transport. (L1) (L2)

(L) Text relocated from Original Sheet No. 105.3
(L1) Text relocated from Original Sheet No. 105.4
(L2) Text relocated to Original Sheet No. 105.7

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd) (L)

5. Add/Drop Multiplexing (Cont'd)

Central Office Ports are available at the following speeds:

Central Office Port	Speed
OC3	155.52 Mbps
DS3	44.736 Mbps
DS1	1.544 Mbps

OC12 service may only be multiplexed to OC3 channels.

When an OC3 channel is derived from an OC12 service and is further multiplexed to obtain DS3 service, a DS3 port charge will apply in addition to the OC3 port charge.

When a DS3 channel is derived from an OC3 service and is further multiplexed to obtain DS1 service, a DS3 to DS1 Multiplexing charge will apply in addition
to the DS3 port charge.

When a DS1 channel is directly derived from an OC3 service, a DS1 port charge will apply.

When a DS1 channel is further multiplexed to a lower level signal, a DS1 to Voice Grade Multiplexing charge will also apply.

Add/Drop Multiplexing is only available at wire centers identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 Wire Center Information. (L)

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

6. WATS

When a WATS Access Line is provided to an end user served by an end office that does not perform WATS/Toll Free switching functions, Special Access rates and surcharges as set forth in Section 7, will apply for the facilities necessary to extend the WATS Access Line to the interconnection point with the WATS Serving Office of interexchange carrier. 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 3000 Hz. The Telephone Company will work cooperatively with the customer to develop routing and other transport arrangements. (T)

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

7. Interface Groups

Ten Interface Groups are provided for terminating 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) following. Interface groups 1 and 2 described in 11.1 and the optional features described in (2) following are nonchargeable features. No additional charges other than the rates for Transport set forth in 13.2.2 apply. Additional charges may apply for Interface Groups 3 through 10. (C) (C)

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 signaling conversions or two-wire to four-wire conversions, or the need to terminate digital or high frequency facilities in channel bank equipment may require that 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 11.1 following.

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

A. Transport Categories (Cont'd)

8. Chargeable Optional Features

Toll Free Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. A Basic or Vertical Feature Query charge, as set forth in 13.2.2 (F) following, is assessed for each query launched to the Toll Free database. The Basic Query provides the identification of the customer to whom the call will be delivered. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers (which is generally necessary for the routing of 800 series calls); (3) alternate POTS translation (which allows subscribers to vary the routing of 800 series calls based on factors such as time of day, place of 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)). (T) (T) (T) (T) (T)

The ESALT Real Time Class of Service/Quality of Service (RT Cos/QoS) option, when ordered for use with ESALT Direct Trunked Facility provided entirely within the Telephone Company's operating territory, provides service performance commitments on transmissions using the Telephone Company's Ethernet local transport network. ESALT RT CoS/QoS is provided as set forth in Section 6.9.3(C), following.

The ESALT Entrance Facility Protection (ESALT EFP) option, when ordered for use with ESALT Entrance Facility, provides backup protection using the Telephone Company's Ethernet local transport network. ESALT EFP is provided as set forth in Section 6.9.3(D), following.

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

B. End Office

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

1. Local Switching

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

Local Switching rates are assessed to a customer on the total number of access minutes. Rates for Local Switching are set forth in 13.2.2 following.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

B. End Office (Cont'd)

1. Local Switching (Cont'd)

There are three types of functions included in the local Switching rate element: Common Switching, Line Termination, and Intercept. These are described in (a) through (c) following:

a. Common Switching

Common Switching provides the local end office switching functions associated with access. The Common Switching arrangements provided for the various Feature Group arrangements are described in 6.3 following.

b. Line Termination

Line termination provides for the termination of end user lines in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and Special Access Service Terminations utilized in the provision of WATS or WATS-type service.

c. Intercept

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

2. Information Surcharge

Information Surcharge rates are assessed to a customer based on the total number of access minutes. Information Surcharge rates are as set forth in 13.2.2 following.

Pursuant to Orders No. 6 & 7 in Docket U-90-26

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6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

B. End Office (Cont'd)

2. Information Surcharge (Cont'd)

The number of end office switching transmission paths will be determined as set forth in 6.6.5 following.

C. Equal Access Recovery Charge

An Equal Access Recovery Charge (EARC) is assessed for the provision of Feature Group D switched access services at locations where equal access is available. The EARC is further described in Section 6.8.1(C)(2).

D. Toll Free Data Base Access Service (T)

Toll Free Data Base Access Service is provided to all customers in conjunction with FGC and FGD switched access service. When a 1+800 series+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signaling System 7 (SS7) network to query a Toll Free 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. The 800 series includes the following service access codes: 800, 888, 877, 866, 855, 844, 833 and 822. (T) (N)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

D. Toll Free Data Base Access Service (Cont'd) (T)

A Basic or Vertical Feature Query charge, as set forth in 13.2.2(F) 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. The Vertical Feature Query provides this same customer identification function in addition to vertical features which may include: (1) call validation (ensuring that calls originate from subscribed service areas); (2) POTS translation of 800 series numbers; (3) alternate POTS translation (T) (which allows subscribers to vary the routing of 800 series calls based on factors such as time of day, place or origination of the call, etc.); and (4) multiple carrier routing (T) (which allows subscribers to route to different carriers based on factors similar to those in (3)).

The description and application of this charge with respect to Feature Group C or Feature Group D is as set forth in 6.3.3(C) and 6.3.5(C) following.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.2 Rate Categories (Cont'd)

(N)

E. Interim NXX Translation

The Interim NXX Translation rate element provides for customer identification of non-data base services when calls are directed by end users in the 1+SAC+NXX-XXXX (e.g., 1+900+NXX-XXXX) format. The NXX codes are assigned to specific customers in conformance with the North American Numbering Plan (NANP). NXX code assignment(s) will be made by the NANP Coordinator. The Telephone Company will use the NXX code to identify the customer to whose point of termination the traffic is to be delivered, (i.e., at appropriately equipped electronic end offices, access tandems or through contracted arrangements with other parties.) It is then the responsibility of the customer to do any further translation the customer deems necessary to route the call. Customer assigned NXX codes which have not been ordered will be blocked.

A nonrecurring charge, as set forth in 13.2.1(F) following, is associated with this optional feature. This nonrecurring charge is assessed by the Telephone Company on a per order basis and is applied in lieu of the Access Order Charge specified in 13.2.1(A) following. The nonrecurring charge is assessed only by the Telephone Company that provides the final translation function. A Telephone Company is said to have provided the final Interim NXX Translation when its translation identifies the customer's traffic and this traffic is then delivered to the customer's point of termination without any further translation. The description and application of this charge with respect to Feature Group C and Feature Group D is as set forth in 6.3.3(C)(1) and 6.3.5(C)(1) following.

(N)
(L)

(L)

(L) Text relocated to Original Sheet No. 109.3

ACCESS SERVICES

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.

The Transport and End Office rate categories described in 6.2 preceding apply to all Switched Access Service.

6.3.1 Feature Group A (FGA)

A. Description

1. FGA Switching is provided at all end office switches. 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 which are specified by the customer's order for service.

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 supervisory signaling or loop start supervisory signaling. The type of signaling is at the option of the customer.

3. Selection of the first point of switching at which the line side termination is to be provided subject to Section 2.6, Access Network Change Notification. (C) (N)

ACCESS SERVICES

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)

(T)

A. Description (Cont'd)

(T)

4. A seven digit 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 the request, the requested number will be assigned to the customer. (T)

5. FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. 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 signaling, 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 signaling.

6. No address signaling is provided by the Telephone Company when FGA switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using in-band tone address signaling techniques. Such in-band tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Transport provided. (T)

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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) (T)

A. Description (Cont'd) (T)

7. FGA, when being used in the terminating direction, may be used to access valid NXX's in the local exchange area. For FGA the local exchange area is defined as the local calling area of the end office switch from which the FGA is provided. The description of any specific FGA is provided. The description of any specific FGA Area will be provided to the customer upon request.

   Access is also provided to local operator service (0- and 0+), directory assistance (411 and 555-1212), emergency reporting service (911), information services (e.g., time and temperature), and IC services (by dialing the appropriate digits). The customer will be billed for an operator surcharge as set forth in local or other tariffs, for local operator assistance (0-) calls; directory assistance (411 and 555-1212) calls; and customer call charges in accordance with other IC tariffs in force when the Telephone Company performs the billing for such customer calls. FGA used for calls outside the FGA Access Area, will be charged under applicable local and toll tariffs.

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. (T) (L)

(L)

(L) Material previously shown on Original Sheet No. 111 has been moved to Original Sheet No. 111.1

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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) (T)

This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected. (L)

9. Testing Capabilities (T)

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. In addition to the tests which are included with the installation of service (Acceptance Testing) and as ongoing routine testing, Additional Cooperative Acceptance Testing and Additional Manual Testing are available as set forth in 9.3.1 following. (L)

B. Optional Features

The following features are available in lieu of, or in addition to, the standard features provided with Feature Group A: (N)

1. Common Switching Nonchargeable Optional Features

a. Call Denial on Line or Hunt Group

b. Service Code Denial on Line or Hunt Group

c. Hunt Group Arrangement

d. Uniform Call Distribution Arrangement (N)

(L) Material previously shown on Original Sheet No. 111.

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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)

B. Optional Features (Cont'd) (N)

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

e. Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

f. Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services

g. Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services

h. Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services

i. Nonhunting Number Associated with a Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS-Type Services

2. Transport Nonchargeable Optional Features

a. Customer Specification of local transport termination

1. Two-way operation with dial pulse address signaling and loop start supervisory signaling (N)

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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)

B. Optional Features (Cont'd) (N)

2. Transport Nonchargeable Optional Features (Cont'd)

a. Customer Specification of local transport termination (Cont'd)

2. Two-way operation with dial pulse address signaling and ground start supervisory signaling

3. Two-way operation with dial tone multi-frequency address signaling and loop start supervisory signaling

4. Two-way operation with dial tone multi-frequency address signaling and ground start supervisory signaling

5. Terminating operation with dial pulse address signaling and loop start supervisory signaling

6. Terminating operation with dial pulse address signaling and ground start supervisory signaling

7. Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling

8. Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling

(N)

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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)

B. Optional Features (Cont'd) (N)

2. Transport Nonchargeable Optional Features (Cont'd)

a. Customer Specification of local transport termination (Cont'd)

9. Originating operation with loop start supervisory signaling

10. Originating operation with ground start supervisory signaling

b. Supervisory Signaling

c. Customer Specified Entry Switch Receive Level, if such levels do not interfere with the Telephone Company network performance

3. Feature Availability is Based on Current Technology

4. Optional Features Provided in Local Tariffs

Certain other features which may be available in connection with Feature Group A (e.g., custom calling features) are provided under the Telephone Company's local and/or general exchange service tariffs.

(N)

Pursuant to Letter Order Dated 5/21/91

ACCESS SERVICES

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)

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 signaling.

3. FGB switching is provided with multifrequency address signaling in both the originating and terminating directions, when available. Except for FGB switching provided with automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3.2(B) following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using in-band tone address signaling techniques. Such in-band tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Transport provided.

ACCESS SERVICES

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)

A. Description

4. The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-1XXX or 950-0XXX for carriers. 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. FBG 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. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable when the Telephone Company performs billing for such services.

ACCESS SERVICES

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)

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 functions for that customer. Calls in the terminating direction will not be completed to 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 or 555-1212), service code 911 or other 950-1XXX or 950-0XXX access codes. Calls will not be completed to Directory Assistance (NPA-555-1212 or 555-1212). FGB may not be switched, in the terminating direction (i.e., from the access tandem to the end office), to FGA, B, or D Switched Access Service Feature Groups.

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.

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

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. Optional Features

1. Common Switching Nonchargeable Optional Features

a. Automatic Number Identification (ANI)

b. Up to 7 Digit Outpulsing of Access Digits to Customer

2. Transport Nonchargeable Optional Features

a. Rotary Dial Station Signaling

b. Customer Specification of Local Transport Termination

c. Supervisory Signaling

d. Customer Specified Entry Switch Receive Level, if such levels do not interfere with Telephone Company network performance.

C. 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.

ACCESS SERVICES

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. 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 Automatic Testing, and Additional Manual Testing are available as set forth in 9.3.1 following.

E. Design and Traffic Routing

For Feature Group B, the trunk directionality and traffic routing of the Switched Access Service between the customer designated premises and the entry switch are determined by the customer's order for service; except that the determining of traffic routing through a centralized equal access arrangement, subject to Section 2.6, Access Network Change Notification. Those Telephone Company offices providing equal access through centralized arrangements are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. Additionally, the customer may order the optional feature Customer Specification of Transport Termination as set forth in Section 11 following. (C) | (C)

(D)

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ACCESS SERVICES

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)

A. Description

1. FGC is provided at all Telephone Company non-equal access end office switches. It is provided to the customer (i.e., provider of MTS, Directory Assistance, Toll Free, 900 and WATS) on a direct trunk basis or via Telephone Company designated access tandem switches. (T)

2. FGC is provided as trunk side switching. The switch trunk equipment is provided with answer and disconnect supervisory signaling. 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 signaling is provided.

3. FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse. Such called party number signals will be subject to the ordinary transmission capabilities of the Transport provided.

4. The end user must dial an 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.

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6. Switched Access Service (Cont'd)

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

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

A. Description (Cont'd)

5. 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.

B. FGC service may not be used in conjunction with ESALT.

C. Optional Nonchargeable Features

1. Common Switching Optional Features

a. Automatic Number Identification (ANI)

b. Service Class Routing

c. Alternate Traffic Routing

d. Call Capping Arrangement

e. Trunk Access Limitation

2. Optional Nonchargeable Transport Features

a. Operator Trunk, Full Feature Arrangement

b. Supervisory Signaling

D. Chargeable Optional Features

1. Interim NXX Translation

2. Toll Free Data Base Access Service (T)

E. Feature Availability is based on current technology

F. 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 C is provided.

ACCESS SERVICES

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)

E. Transmission Specifications (Cont'd)

- When routed to an access tandem, only Type B is provided.

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

F. 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 (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 9.3.1. following for FGC.

G. Design and Traffic Routing

For Feature Group C, the Telephone Company shall design and propose, subject to Section 2.6, Access Network Change Notification, the routing of Switched Access Service, including 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 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. (C) (C)

(D)

ACCESS SERVICES

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)

G. Design and Traffic Routing (Cont'd)

The proposed 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, subject to Section 2.6, Access Network Change Notification.

Those Telephone Company offices providing equal access through centralized arrangement are identified in National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4. (T)

6.3.4 Manner of Provision

Switched Access for FGC service is furnished on a busy hour minutes of capacity (BHMC's) basis.

BHMC's 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

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

6.3.4 Manner of Provision (Cont'd)

There are two major BHMC categories identified as Originating and Terminating. Originating BHMC's represent access capacity for carrying traffic from the end user to the customer. Terminating BHMC's represent access capacity for carrying traffic from the customer to the end user. When ordering capacity for FGC Access, the customer must, at a minimum, specify access capacity in terms of originating BHMC's and/or Terminating BHMC's or order by trunk. (L)

(L)

(L) Material previously shown on Original Sheet No. 120 has been moved to Original Sheet 120.1

Pursuant to Letter Order dated 5/21/91. and

Pursuant to Letter Order dated 8/20/91.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

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

6.3.5 Feature Group D (FGD)

A. Description

1. FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated electronic access tandem switches. Those Telephone Company offices providing equal access through centralized arrangements are identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4

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 signaling.

3. FGD switching is provided with multifrequency address signaling. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by 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 Transport provided.

4. FGD 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

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

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

A. Description (Cont'd)

Additionally, non-access charges will also be billed for calls from 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 950-1XXX or 950-0XXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service code 911 and 10XXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGD switching is combined with Directory Assistance switching.

5. 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.

6. The access code for FGD switching is a uniform access code of the form 10XXX. A uniform 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.

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6. Switched Access Service (Cont'd)

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

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

A. Description (Cont'd)

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP). For international calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD)m 91 + CC + NN or 011 + CC + NN.

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.

7. FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing 10XXX uniform access code.

8. Unless prohibited by technical limitations, the customer's Interim NXX and/or Toll Free 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 and/or Toll Free Data Base traffic. When required by technical limitations, of the customer, a separate trunk group will be established for Interim NXX and/or Toll Free Data Base traffic. (T) (T) (T)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

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

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

A. Description (Cont'd)

9. When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the mutual agreement of the customer and the 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 signaling 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.

B. Nonchargeable Optional Features

1. Common Switching Optional Features

a. Automatic Number Identification (ANI)
b. Service Class Routing
c. Alternate Traffic Routing
d. Call Gapping Arrangement (D)
e Trunk Access Limitation
f. Digital Switched 56 Service

2. Optional Nonchargeable Transport Features

a. Operator Trunk, Full Feature Arrangement
b. Supervisory Signaling

C. Chargeable Optional Features

1. Interim NXX Translation

2. 800 Data Base Service

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6. Switched Access Service (Cont'd)

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

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

C. Chargeable Optional Features

1. Interim NXX Translation
2. Toll Free Data Base Access Service (T)
3. ESALT Real Time Class of Service/Quality of Service (RT CoS/QoS)

   The ESALT RT CoS/QoS optional feature is set forth in Section 6.9.3(C), following.
4. ESALT Entrance Facility Protection (EFP)

   The ESALT EFP optional feature is set forth in Section 6.9.3(D), following.

D. 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 A. 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

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

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

E. 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 Cooperative Acceptance Testing, Additional Automatic Testing and Additional Manual Testing are available as set forth in 9.3.1 following. (T)

F. Design and Traffic Routing

For Feature Group D, the Telephone Company shall design and propose, subject to Section 2.6, Access Network Change Notification, the routing of Switched Access 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 trunks are ordered. The Telephone Company shall 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.

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6. Switched Access Service (Cont'd)

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

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

F. Design and Traffic Routing (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. The Telephone Company will propose the first point(s) of switching , subject to Section 2.6, Access Network Change Notification. Those Telephone Company offices providing equal access through centralized arrangement are identified in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

6.4 WATS Access Line

A WATS Access Line may, at the option of the customer, be provided for use with Switched Access Service. A WATS Access Line provides a connection between a customer's designated end user's premises and a Telephone Company end office switch capable of performing the necessary switching functions for Toll Free Service, WATS or similar services, and is provided only for use at the closed end of such service. (T)

WATS Access Lines are provided as either an effective two-wire or effective four-wire transmission path. Each transmission path is provided with Standard Transmission Specifications and Data Transmission Parameters as set forth in 11.2.1 and 11.2.2 following. At the option of the customer, the WATS Access Line may be ordered with the Improved Two-Wire Voice Transmission Specifications (Guaranteed specifications are set forth in 11.2.3 following).

6.5 Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission Specifications. There are two different standard specifications (Types 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

6. Switched Access Service (Cont'd)

6.5 Transmission Specifications (Cont'd)

an access tandem. In addition, the WATS Access Line is provided with standard transmission specifications for two-wire and four-wire. The available transmission specifications are set forth in 11.2.1 following. Data Transmission Parameters are also provided with each Switched Access Service transmission path and WATS Access Line. The Telephone Company will, upon notification by the customer that the data parameters set forth in 11.2.2 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.

In addition, the WATS Access Line may be optionally provided with Improved Two-Wire Voice Transmission Specifications as set forth in 11.2.3 following.

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 11.2 following. Acceptance limits are set forth in Technical Reference NPL 000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

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

- When routed 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.5 Transmission Specifications (Cont'd)

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.

6.6 Obligation of the Telephone Company

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

6.6.1 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, 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.6 Obligation of the Telephone Company (Cont'd)

6.6.2 Reserved For Future Use

6.6.3 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.

6.6.4 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.

6.6.5 Determination of Number of Transmission Paths

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. (C) (D)

6.6.6 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) following and (B) following.

(D)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.6 Obligation of the Telephone Company (Cont'd)

6.6.6 Design Blocking Measurement (Cont'd)

A. For Feature Groups B, C and 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 required 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.

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:

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.6 Obligation of the Telephone Company (Cont'd)

6.6.6 Design Blocking Measurement (Cont'd)

B. 1. (Cont'd)

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 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
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

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:

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.6 Obligation of the Telephone Company (Cont'd)

6.6.6 Design Blocking Measurement (Cont'd)

B. 2. (Cont'd)

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 Measurements	11-14 Measurements	7-10 Measurements	3-6 Measurements
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

6.6.7 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. Design Layout Reports will also be provided for WATS Access Lines when specifically requested by the customer. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.6.8 Testing

A. 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 signaling. When the Local Transport is provided with Interface Groups 2 through 10, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

B. Routine Testing

At no additional charge, the Telephone Company will, at the customer's request, test after installation on an automatic or manual basis, 1004 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.

The frequency of these tests will be that which is mutually agreed upon by the customer and the Telephone Company, but shall consist of not less than quarterly 1004 Hz Loss and C-message noise tests and an annual Balance test. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

Additional tests may be ordered as set forth in 9.3.1 following. Charges for these additional tests are set forth in Section 13 and Section 14, following. (N)

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6. Switched Access Service (Cont'd)

6.7 Obligations of the Customer

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

6.7.1 Supervisory Signaling

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

6.7.2 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.

6.7.3 Call Signaling (N)

Depending on the signaling system used by the customer in its network, the customer's facilities shall transmit the following call signaling information to the Telephone Company on traffic the Customer's end users originate which is handed off for termination on the Telephone Company's network.

A. Signaling System 7 (SS&) Signaling

When the Customer uses SS7 signaling, it will transmit the Calling Party Number (CPN) or, if different from the CPN, the Charge Number (CN) information in the SS7 signaling stream.

B. Multi-Frequency (MF) Signaling

When the customer uses MF signaling, it will transmit the number of the calling party or, if different from the number of the calling party, the Charge Number (CN) information in the MF Automatic Number Identification (ANI) field.

C. Internet Protocol (IP) Signaling

When the Customer uses IP signaling, it will transmit the telephone number of the calling party or, if different from the telephone number, the billing number of the calling party. (N)

(L)

(L) Text relocated to Original Sheet 135.1

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (L)

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

6.8.1 Application of Rates and Charges

A. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Switched Access Service are: installation of service, Trunk Activation, Interim NXX Translation optional feature and service rearrangements. These charges, with the exception of the Interim NXX Translation optional feature, are in addition to the Access Order Charge. (N)

(L) Text relocated from Original Sheet 135

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

A. Nonrecurring Charges (Cont'd)

1. Installation of Service

Nonrecurring Charges apply to each Switched Access Service installed. For FGA, which is ordered on a per line basis, and for FGB, FGC and FGD, which is ordered on a per trunk basis, the charge is applied on a per line or trunk basis respectively. For FGC and FGD, which are ordered on a busy hour minutes of capacity basis, the charge is also applied on a per trunk basis but the charge applies only when the capacity ordered requires the installation or activation of an additional trunk which is uniquely identified for the sole use of the ordering customer.

2. Interim NXX Translation Optional Feature

This nonrecurring charge applies to the initial order for the installation of the Interim NXX Translation optional feature with Feature Group C or Feature Group D Switched Access Service and for each subsequent 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.

3. Service Rearrangements

All changes to existing services other than changes involving administrative activities and the off-hook supervisory signaling of FGA Access Services, will be treated as a discontinuance of the existing service and an installation of a new service. The nonrecurring charge described in (1) preceding

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

A. Nonrecurring Charges (Cont'd)

3. Service Rearrangements (Cont'd)

will apply for this work activity. Moves that change the physical location of the point of termination are described and charged for as set forth in 6.8.1 following.

- 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 Service, no charge shall apply to combine these trunk groups when it becomes technically possible.

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.

Changes and additions to existing Switched Access Services which are necessary due to Telephone Company initiated network reconfigurations, and required to provide the same grade of service to the customer that existed prior to the reconfiguration, will be made without charge to the customer.

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

B. Moves

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

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

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

1. Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring charge for the capacity affected. There will be no change in the minimum period requirements.

2. Moves to a Different Building

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

Pursuant to Orders No. 6 & 7 in Docket U-90-26

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

C. Recurring Charges

1. Access

With the exception of the Equal Access Recovery Charge, all recurring rates as set forth in Section 13 and Section 14, following, apply to all Feature Groups A, B, C, and D Switched Access Services. Customer usage will be accumulated for billing on a monthly basis, or another period. The Telephone Company will notify the customer if billing is to occur on a basis other than monthly. (N)

2. Equal Access Recovery Charge (EARC)

The Equal Access Recovery Charge is a monthly charge assessed to customers who obtain Feature Group D Switched Access Service. Application of this charge is as follows:

a. The EARC is based upon intrastate Feature Group D Trunks or the total number of presubscribed equal access lines.

b. EARC rates are local exchange carrier specific and are found in Section 13 and Section 14, following. (N)

D. Notice of Equal Access Conversion

1. The Telephone Company will provide written notification to all access customers of record within Alaska that an end office is scheduled to be converted to an equal access end office. This notification will be sent, via certified

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

D. Notice of Equal Access Conversion (Cont'd)

1. (Cont'd)

(L)

U.S. Mail, to each customer of record in Alaska 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 all or part of the 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 6.8.1(D)(2) following.

2. Changes from one type of Feature Group to another will be treated as a discontinuance of one type of service and a start of another. Nonrecurring charges will apply, with one exception. When a customer upgrades a Feature Group A or B service to a Feature Group D service and when Feature Group C is upgraded to Feature Group D coincident with the availability of Feature Group D in an end office which does not currently have interstate Feature Group D, the nonrecurring charges will not apply and minimum period obligations will not change, i.e., the time elapsed in the existing minimum period obligation will be credited to the minimum period obligations for FGD service, subject to the following limitations.

(L)
(L1)

(L)

(L) Text relocated from Original Sheet No. 139
(L1) Text relocated from Original Sheet No. 140

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.1 Application of Rates and Charges (Cont'd)

D. Notice of Equal Access Conversion (Cont'd) (L)

2. (Cont'd) (L)

In order to avoid the imposition of nonrecurring charges a customer which is a participant in the intrastate presubscription allocation process (i.e., is on the presubscription ballot) must:

- submit its order to disconnect Feature Group A and/or B within 30 days after the date the results of the final allocation of customers in an end office are actually received by the customer, and
- make the effective date for disconnection of the Feature Group A and/or B Access Services no later than 60 days after the final allocation results are received by the customer, and
- the end office scheduled to convert to intrastate equal access does not already provide interstate equal access.

A customer which is not a participant in the allocation process (i.e., is not on the presubscription ballot) is subject to the same rules preceding. The time frames for the non-participating customer(s) are the same as those which apply to the last customer to receive the results of the final allocation of customers in an end office who is a participant in the allocation process. For all other changes from one type of feature Group to another, new minimum period obligations will be established.

(L) Text relocated to Original Sheet No. 139.1

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8.2 Reserved For Future Use

6.8.3 Carrier Common Line Access Service is as set forth in Section 3. (T)

6.8.4 Measuring Access Minutes

Desired priority of the traffic sensitive minute volume source is as follows:

1. Measurement by the Telephone Company
2. Measurement by the Interexchange Carrier as reported to and acceptable to the Telephone Company
3. Assumed minutes as listed in 13.2.5 or an estimate by the Telephone Company based on previously known volumes

A. Feature Group A

Customer Feature Group A traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches. 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 the Customer message detail is not available from the Telephone Company, the Telephone Company will obtain the volume of access minutes from the IC, use assumed minutes as listed in 13.2.5, or use an estimate based on previously known volumes. The priority as set forth above will be used in selecting the method.

For terminating calls over FGA and for originating calls over FGA (when the off-hook supervisory signal is provided by the Customer's equipment before the called party answers), 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), chargeable originating access minutes are derived from recorded minutes using the same formula as set forth in 6.8.4(C) following for Feature Group C.

6. Switched Access Service (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

A. Feature Group A (Cont'd)

For originating calls over FGA, usage measurement begins when the originating FGA first point of switching 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 first point of switching receives an on-hook supervisory signal from either the originating end user has disconnected, or the customer's point of termination, whichever is recognized first by the first point of switching.

For terminating calls over FGA, usage measurement begins when the terminating FGA first point of switching 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 end when the terminating FGA first point of switching 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 terminating, whichever is recognized first by the first point of switching.

FGA access minutes or fractions thereof, the exact value of the fraction begin a function of the switch technology where the measurement is made, are accumulated over the billing period for each line or hunt group, and are then rounded up to the nearest access minute for each line or hunt group.

6. Switched Access Service (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

A. Feature Group A (Cont'd)

Assumed minutes are used for FGA services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes. Where originating and terminating measurement capability does not exist for Feature Group A provided to the first point of switching, the number of access minutes will be assumed as set forth in 13.2.5 following.

B. Feature Group B

Customer traffic to end offices will be measured (i.e., recorded) or assumed by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured D (i.e., recorded) or assumed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the measured customer message detail is not available from the Telephone Company, the Telephone Company will obtain the volume of access minutes from the IC, use assumed minutes as listed in 13.2.5, or use an estimate based on previously known volumes. The priority as set forth above will be used in selecting the method.

For both originating and terminating calls over FGB the measured minutes are the chargeable access minutes.

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

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8.4 Measuring Access minutes (Cont'd)

B. Feature Group B (Cont'd)

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

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

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

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

Assumed minutes are used for FGB services which originate or terminate in end offices not equipped with measurement capabilities and in such cases are the chargeable access minutes, as set forth in 13.2.5 following.

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

C. Feature Group C

Customer traffic to end offices will be measured (i.e., recorded) by the Telephone Company at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed by the Telephone Company to determine the basis for computing chargeable access minutes. In the event the measured customer message detail is not available from the Telephone Company, the Telephone Company will obtain the volume of access minutes from the IC or use an estimate based on previously known volumes. The priority as set forth above will be used in selecting the method.

For terminating calls over FGC (and FGD that use FGC records to develop access minutes), the measured minutes are the chargeable access minutes. For originating calls over FGC (and FGD that use FGC records to develop access minutes) chargeable originating access minutes are derived from the measured minute records in the following manner:

Step 1: For each major call type (e.g. DDD, Operator Handled, Toll Free, Directory Assistance, etc) obtain the measured originating messages and conversation minutes from the appropriate traffic data recording sources. (T)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

C. Feature Group C (Cont'd)

Step 2: For each call type, develop the Total Originating Attempts using the originating measured messages from Step 1, and applying an Attempts per Message factor obtained either from a study specific to the Telephone Company or from a study based upon an industry wide sample. The attempts per message factor study is an analysis, by major call type, of the completion rate of the total attempts which receive acknowledgement from the customer. (C) (L) (C) (L)

(L) Text relocated from Original Sheet No. 145.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

C. Feature Group C (Cont'd)

Step 3: For each call type, develop the Non-Conversation Time Additive (NCTA) by applying a Non-Conversation Time per Attempt factor obtained from company specific or industry study (referred to in Step 2) to the Total Originating Attempts determined in Step 2. 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 calls and unsuccessful attempts. (C)

Step 4: For each call type, develop the total chargeable Originating Access Minutes by adding the Non-Conversation Time Additive (NCTA) derived in Step 3 to the Total Originating Conversation Minutes obtained in Step 1. (C)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

C. Feature Group C (Cont'd)

Following is an example that illustrates how the chargeable originating access minutes for each call type are derived from the measured originating messages, conversation minutes, and study factors using the steps previously set forth. (C)

Step 1:

Measured Originating Messages	= 1,000
Measured Originating Conversation Minutes	= 7,000

Step 2:

Originating Attempts per Message factor from study	= 1.597
Total Originating Attempts = 1,000 messages X 1.5970	= 1,597

Step 3:

Non Conversation Time per Attempt factor from study	= .372
Total Non Conversation Time Additive (NCTA) =	
.372 X 1,597	= 594

Step 4:

Total Chargeable Originating Access Minutes =	
7,000 conversation minutes + 594 (NCTA)	= 7,594

(C)

Measured conversation minutes and fractions thereof, the exact value of the fraction being a function of the switch technology where the measurement is made, are accumulated over the billing period for each end office, and are then rounded up to the nearest whole minute for each end office. (C) (L) (L)

(L) Text relocated to Original Sheet No. 147.1.

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

C. Feature Group C (Cont'd)

Originating Usage

(L)

For originating calls over FGC, usage measurement begins when the originating FGC first point of switching receives answer supervision from the customer's point of termination, indicating the called party has answered.

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

(L)

(L) Text relocated from Original Sheet No. 147.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

Feature Group C (Cont'd)

Terminating Usage

For terminating calls over FGC the chargeable access minutes are either measured or imputed. For terminating calls over FGC where measurement capability does not exist, terminating FGC usage is imputed from originating usage, excluding usage from calls to closed end services or Directory Assistance Services.

For terminating calls over FGC where measurement capability exists, measurement of chargeable access minutes begins when the terminating FGC 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 FGC first point of switching receives an on-hook supervisory signal from 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.

D. Feature Group D

Customer traffic to end offices will be recorded at end office switches or access tandem switches. Originating and terminating calls will be measured or imputed to determine the basis for computing chargeable access minutes. In the event the measured customer message detail is not available from the Telephone Company, the Telephone Company will obtain the volume of access minutes from the IC or use an estimate based on previously known volumes. The priority as set forth above will be used in selecting the method. (C)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

Feature Group D (Cont'd)

Originating Usage

For originating calls over FGD the measured minutes are the chargeable access minutes.

For originating calls over FGD, 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.

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

Terminating Usage

For terminating calls over FGD the chargeable access minutes are either measured or imputed in accordance with a bill and keep methodology. (T)

For terminating calls over FGD 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 (T)
user has answered. This measurement ends when the terminating FGD first point of (T)
switching receives disconnect supervision from either the terminating end user's end office, indicating the terminating end user has disconnected, or the customer's point of termination, whichever is recognized first by the first point of switching.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.4 Measuring Access Minutes (Cont'd)

D. Feature Group D (Cont'd) (C)

For termination calls over FGD, where measurement capability does not exist, terminating FGD usage is imputed from originating usage, excluding usage from calls to closed end services or directory assistance services. (T)

E. Wholesale Minutes (N)

The wholesale provider must report to the Telephone Company, the access minutes provided each wholesale user via switched wholesale services in sufficient detail to bill all applicable rate elements, as necessary. The wholesale provider's measured or imputed FGC, FGD, and FGB minutes will be reduced and the wholesale user's minutes increased by the Telephone Company for reported wholesale user minutes. The Telephone Company will develop a percentage of wholesale use (PWU) for each wholesale user to be applied to wholesale provider's access trunks to determine the dedicated trunks.

In addition, the wholesale user will provide measured minutes delivered through dedicated wholesale service to the Telephone Company. (N)

6.8.5 Applications of Rates for Extension Service

Feature Group C and D WATS Access Lines are available with extensions, (additional terminations of the service at different buildings). WATS Access Line extensions are provided and charged for as Special Access Service as described in Section 7.

Pursuant to Docket U-91-92, Order No. 1.

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.6 Network Blocking

The customer will be notified by the Telephone Company to increase its capacity (busy hour minutes of capacity or quantities of trunks) when excessive trunk group blocking occurs on groups carrying Feature Group traffic and the measured access minutes for that hour exceed the capacity purchased. Excessive trunk group blocking occurs when the blocking thresholds stated in 6.6.6 preceding are exceeded. They are predicated on time consistent, hourly measurements over a 30-day period using the five highest days of the week, excluding national holidays.

6.8.7 Toll Free Data Base Access Service (T)

A Basic Query or Vertical Feature Query charge applies for each query that is launched to a Toll Free data base and identifies the customer to whom the call will be delivered. Query charges, as set forth in 13.2.2 (F) will only be applied by those companies whose wire centers are identified as assessing query charges in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. (T)

When Feature Group C or Feature Group D switched access service is used for the provision of Toll Free 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. (T)

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6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.7 Toll Free Data Base Access Service (T)

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 800 series 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: (T)

- Three end office (EO-1, EO-2, and EO-3) subtend a tandem (T)

  EO-1 measures 2,000 minutes of 800 series use (T)

  EO-2 measures 3,000 minutes of 800 series use (T)

  EO-3 measures 5,000 minutes of 800 series use

  10,000 TOTAL

- The tandem delivers 800 series usage to two customers (T)

  IC-A has 4,000 minutes of use

  IC-B has 6,000 minutes of use

- The allocation ratio for EO-1 is 20%

  2,000/10,000

- 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

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (N)

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

6.9.1 Common Switching Nonchargeable Optional Features

The following table shows the Feature Groups with which the optional features are available.

Option	Available Feature Groups A	B	C	D	
A) Call Denial on Line or Hunt Group	X				
B) Service Code Denial on Line or Hunt Group	X				
C) Hunt Group Arrangement	X				
D) Uniform Call Distribution Arrangement	X				
E) Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement	X				
F) Automatic Number Identification (ANI)		X	X	X	
G) Up to 7 Digit Outpulsing of Access Digits to Customer		X			
H) Delay Dial Start-Pulsing Signaling			X		
I) Immediate Dial Pulse Address Signaling			X		
J) Dial Pulse Address Signaling			X		
K) Service Class Routing			X	X	
L) Alternate Traffic Routing			X	X	
M) Trunk Access Limitation			X	X	
N) Call Gapping Arrangement				X	
O) Band Advance Arrangement for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services	X	X	X	X	(N)

"Pursuant to Letter Order Dated 5/21/91"

Tariff Advice No. 4 Effective: May 21, 1991

Issued: 7/23/91
Issued By: Alaska Exchange Carriers Association, Inc.
By: [signature] Title: President

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

Option	Available Feature Groups A	B	C	D
P. End Office End User Line Service Screening for Use with Special Access Service Utilized in the Provision of WATS or WATS-Type Services			X	X
Q. Hunt Group Arrangement for Use with Special Access Service Utilized in the Provision of WATS and WATS-Type Services	X	X	X	X
R. Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS and WATS-Type Services	X	X	X	X
S. Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Special Access Service Utilized in the Provision of WATS and WATS-Type Services	X	X	X	X
T. Digital Switched 56 Service				X

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 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 local calling area, i.e., (T)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

A. Call Denial on Line or Hunt Group (Cont'd)

the call cannot be further switched or routed out of the local calling area nor will calls be completed to 411 or 555-1212 whichever is available, 611, 911, or Toll Free. 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 office. Arrangement 2 is provided where available. This feature is available with Feature Group A. (T)

B. Service Code on Line or Hunt Group

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

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

6. Switched Access Service (Cont'd)

(N)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

signaling 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 a hunt group. Where available, this feature is provided in Telephone Company electronic end offices only. It is available with Feature Group A.

E. Nonhunting Number for Use with Hunt Group or Uniform Call Distribution Arrangement

This option provides access to an individual line within a multiline hunt or uniform call distribution group. When the nonhunting number is dialed, access is provided when it is idle, or busy tone is provided when it is busy. 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 digit or ten digit number and information digits to the customer designated premises for (N)

Pursuant to Letter Order dated 5/21/91

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

originating calls to identify the calling station. The ANI feature is an end office software function which is associated on a call-by-call basis with:

a. all individual transmission paths in a trunk group routed directly between an end office and a customer designated premises or, where technically feasible, with

b. all individual transmission paths in a trunk group between an end office and an access tandem, and a trunk group between an access tandem and a customer designated premises.

2. The seven digit ANI 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.

3. The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Number Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit (N)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

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).

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 service. ANI is not provided from end offices where the Telephone Company forwards ANI to its recording equipment. (T)

5. Where ANI detail cannot be provided, e.g., on calls from 4 and 8 party services, information digits will be provided to the customer.

The information digits identify:

a. telephone number is the station billion number - no special treatment required,

b. multiparty line-telephone is a 4- or 8- party line and cannot be identified - number must be obtained via an operator or in some other manner,

ACCESS SERVICES

6. Switched Access Service (Cont'd)

(N)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

5. (Cont'd)

c. ANI failure has occurred in the end office switch prevents identification of calling telephone number - must be obtained by operator or in some other manner,

d. hotel/motel originated call which requires room number identification,

e. coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and

f. call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The AIOD 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 are generally available with Feature Groups B, C, and D.

6. Additional ANI information digits are available with Feature Group D also. They include:

a. Inter local calling area restricted telephone number is identified line

(N)

Pursuant to Letter Order dated 5/21/91.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

F. Automatic Number Identification (ANI) (Cont'd)

6. (Cont'd)

b. Inter local calling area restricted hotel/motel line

c. Inter local calling area 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 (N)

a. Intrastate access customers of this tariff may use ANI in the following manner:

1. 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 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. (N)

(L)

(L)

(L) Text relocated to Original Sheet No. 152.7.2.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

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

(N)

b. Intrastate access customers of this tariff that provide ANI on intrastate calls to any person shall provide such services through a contract or tariff containing telephone subscriber information that sets forth the restrictions on the use and sale of ANI as described in Section 6.9.1 F. 7(c).

c. Intrastate access customers of this tariff and any person provided ANI on intrastate calls through a contract or tariff with such intrastate access customer **may not** use ANI in the following manner:

1. Reusing or selling the telephone number or billing information without notifying the originating telephone subscriber and obtaining the consent of such subscriber for such reuse or sale.

2. Disclosing any information derived from the automatic number identification for any purpose other than performing the services or transactions that are the subject of the originating telephone subscriber's call; ensuring network performance security; compiling, using and disclosing aggregate information; and complying with applicable law or legal process.

(N)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

G. Up to 7 Digit Outpulsing of Access Digits to Customer (L)

This option provides for the end office capability of providing up to 7 digits of the uniform access code (950-1/OXXX) to 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 multi-frequency signaling and transmission of the digits would precede the forwarding of ANI if that feature were provided. This feature is available with Feature Group B (L)

(L) Text relocated from Original Sheet No. 152.7.

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

H. Delay Dial Start-Pulsing Signaling

Where available, this option provides a method of indicating to the near end trunk circuit readiness to accept address signaling information by the far end trunk circuit. Delay dial is often referred to as an off-hook, on-hook signaling sequence. The delay dial signal is the off-hook interval and the start-pulsing signal is the on-hook interval. With integrity check, the calling office will not outpulse 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.

I. Immediate Dial Pulse Address Signaling

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

J. Dial Pulse Address Signaling

Where available, 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.

(N)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

K. Service Class Routing

This option provides the capability of directing originating traffic from an end office to a trunk group to a customer designated premises, based on the line class of service (e.g., coin, multiparty or hotel/motel), service prefix indicator (e.g., -0, 0+, 01+, or 011+) or Service Access Code (e.g., 800 series or 900). It is provided in suitably equipped end office or access tandem switches. It is available with Feature Groups C and D. (T)

L. Alternate Traffic Routing

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

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

M. Trunk Access Limitation

This option provides for the routing of originating 900 service 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 of the trunk group, i.e., the choked calls, would be rerouted 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.

N. Call Gapping Arrangement

This option, provided in suitably equipped end office switches, provides for the routing of originating calls to 900 service to be switched in the end office to all transmission paths in a trunk group at a prescribed rate of flow, e.g., one call every five seconds, in order to limit (choke) the completion of such traffic to the 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 office and is available only with Feature Group D.

(N)

Pursuant to Letter Order dated 5/21/91.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

O. 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.

P. End Office 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 C and D.

(N)

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6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

Q. 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 or two or more Special Access Services utilized in the provision of WATS services (e.g., 800 series 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 Service Offices. It is available with Feature Groups A, B, C, and D. (T)

R. Uniform Call distribution Arrangement of 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.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.1 Common Switching Nonchargeable Optional Features (Cont'd)

S. Nonhunting Number Associated with Hunt Group Arrangement or Uniform Call Distribution Arrangements 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 s dialed, without hunting to the next idle number. Where available, this feature is only provided in Telephone Company designated WATS Servicing Offices. It is available with Feature Groups A, B, C, and D.

T. Digital Switched 56 Service (N)

This option provides for a connection between a customer's premise and a suitable equipped end user's premise which uses end office switching and facilities capable of transmitting digital data up to 56 Kilobits per second. Digital Switched 56 Service is only available in appropriately provisioned Feature Group D offices.

(N)

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.2 Transport Termination Nonchargeable Optional Features

A. Rotary Dial Station Signaling

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

B. Operator Trunk - 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.

1. Coin, Non-Coin:

This arrangement provides for initial coin return control, except in the case of non-coin, and routing of 0+, 0-, 1+, 01+ or 011+ prefixed originating coin and non-coin calls requiring operator assistance to the customer designated premises.

(N)

Pursuant to Letter Order dated 5/21/91.

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd) (N)

6.9.2 Transport Termination Nonchargeable Optional Features

B. Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)

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. 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 automated operator services system, rather than in the customer's manual cord boards.

2. Combined Coin and Non-Coin

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.

(N)

Pursuant to Letter Order dated 5/21/91.

ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.2 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 a trunk type of Transport Termination.

6.9.3 Chargeable Optional Features

A. Interim NXX Translation

This service is an originating offering utilizing trunk side Switched Access Service and provides a customer identification function based on the dialed SAC and NXX code.

For example, when a 1+900+NXX-XXXX 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 originates 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 that 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 (D)

Pursuant to Order No. 1 in Docket U-93-41

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.3 Chargeable Optional Features (Cont'd)

A. Interim NXX Translation (Cont'd)

NXX Translation, will be blocked. Calls to a 900 number from coin telephones, 0+, 0-, 10XXX, Inmate Service, Hotel/Motel Service and calling card calls will be blocked. 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 not equipped with equal access capabilities, it will be provided in conjunction with FGC Switched Access Service.

B. Toll Free Data Base Access Service (T)

Toll Free Data Base Access Service is provided with FGC or FGD switched access service. When a 1+800 series+NXX-XXXX call is originated by an end user, the Telephone Company will utilize the Signalling System 7 (SS7) network to query a Toll Free data base to perform the identification function. The call will then be routed to the identified customer over FGC or FGD switched access. The 800 series includes the following service access codes: 800, 888, 877, 866, 855, 844, 833 and 822. (N)

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ACCESS SERVICES

6. Switched Access Service (Cont'd)

6.9 Common Switching, Transport Termination and Interim NXX Optional Features (Cont'd)

6.9.3 Chargeable Optional Features (Cont'd)

B. Toll Free Data Base Access Service (Cont'd) (T)

The manner in which Toll Free 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: (T)

- When Toll Free 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. (T)

- When Toll Free data base access service originates at an end office not equipped with SSP customer identification capability, the 800 series 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. (T) (T)

- When Toll Free data base access service originates at an end office not equipped with SSP customer identification capability and the access tandem on which the end office is homed is not equipped with the SSP feature, or the end office is not homed to an access tandem, the Telephone Company will make special arrangements to query centralized data bases. (T)

  Query charges as set forth in 13.2.2(F) following are in addition to those charges applicable for the Feature Group C or Feature Group D switched access service. Only one query charge per call may be assessed. (C)

C. Real Time Class of Service/Quality of Service (ESALT RT CoS/QoS)

Where suitable facilities exist, the EASLT RT CoS/QoS option will be available for use on an ESALT Direct Trunked Facility (DTF). This optional arrangement is available only on that portion of the ESALT DTF provided by the Telephone Company within it operating territory. The ESALT RT CoS/QoS option is not available for use with jointly provided ESALT.