

ACCESS SERVICE

6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path between a customer's premises and an end user's premises. It provides for the use of common terminating, common switching and Switched Transport facilities, and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, and to terminate calls from a customer's premises to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.3 following.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, MTS-WATS equivalent services, or other services (e.g., foreign exchange service), and whether it is provided in a Telephone Company end office that is equipped to provide equal access (Feature Group D Access, described in 6.1.1(E) following). The rates and charges for Switched Access Service also depend on whether the Switched Transport is switched through an access tandem

- the customer's serving wire center and an end office, or direct routed and whether the direct routed transport is routed between hub or tandem, or
- a hub or tandem and an end office.

Rates and charges for Switched Access Service are set forth in 6.9 following. Rates and charges for Switched Access/Dedicated Transport are set forth in Section 6.9 following, with the exception of the services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission's Rules. The rates and charges for the Switched Access/Dedicated Transport services in the MSAs that have received Phase II pricing flexibility are set forth in Section 21.

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The application of rates for Switched Access Service is described in 6.8 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(9), 6.2.1(B)(4), 6.2.2(A)(7), 6.2.2(B)(5), 6.2.3(A)(5), 6.2.4(A)(6), 6.8.10 and 6.8.12 following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.8.11 following.

6.1.1 Switched Access Service Arrangements and Manner of Provision

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(A) The Switched Access Basic Serving Arrangements (BSAs) and their corresponding optional features and BSEs are shown below. The chart indicates whether the feature is available as a chargeable or nonchargeable option under both the Bundled Local Switching option and the Unbundled Local Switching option.

(B) Circuit Switched - Line Feature Group A (FGA)

FGA Access, which is available to all customers, provides line side access from the customer's premises to Telephone Company end office switches with an associated seven digit local telephone number for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer-provided private network used for interstate communications.

When ordering FGA service, the customer must specify the Interexchange Carrier to which the FGA service is connected or, in the alternative, specify the means by which the FGA access communications is transported to another state. If the customer can not specify the type of connection used to transport traffic to another state, the line side service should be obtained as provided under the Telephone Company's local and/or general exchange service tariffs.

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Feature Group A Features	Bundled		Unbundled	
	Chargeable	Nonchargeable	Chargeable	Nonchargeable
Call Denial			X	X
Regular MLHG		X	X (NP)*	
Nonhunt Number		X		X
Service Code Denial		X		X
Uniform Call Distribution		X	X (NP)	
Answer Supervision	X (NP)		X (NP)	
CO Announcement	X (NP)		X (NP)	
Make Busy Arrangement	X (NP)		X (NP)	
MLHG Overflow		X		X
Queuing	X (NP)		X (NP)	
Three-Way Call Transfer	X (NP)		X (NP)	
Preferential Hunting		X	X (NP)	
Circular Hunt		X	X (NP)	
Call Screening		X		X
Direct Inward Dialing	X		X	

*NP NP indicates that the nonpremium rates for these features apply when used with Unbundled Transitional Local Switching rates.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(C) Circuit Switched - Trunk Feature Group B (FGB)

FGB Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 950-XXXX access code for the customer's use in originating communications from and terminating communications to an Interexchange Carrier's Interstate Service or a customer-provided interstate communications capability. The customer, upon request by the Telephone Company, must specify the Interexchange Carrier to which the FGB service is connected or, in the alternative, specify the means by which the FGB access communication is transported to another state. A more detailed description of FGB Access is provided in 6.2.2 following.

Feature Group B Features	Bundled		Unbundled		
	Chargeable	Nonchargeable	Chargeable	Nonchargeable	
Alternate Traffic Routing		X		X	
Dual Carrier Tandem Routing		X		X	N N
Up to 7 Digit Outpulsing of Access Digits		X		X	
Make Busy Arrangement	X (NP)*		X(NP)		

* NP indicates that the nonpremium rates for these features apply when used with Transitional Local Switching rates.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(D) Circuit Switched - Trunk Feature Group C (FGC)

FGC Access, which is available only to providers of MTS and WATS, provides trunk side access to Telephone Company end office switches for the customer's use in originating and terminating communications. This service is available in all end offices which are not equipped for Feature Group D End Office Switching. Existing FGC Access will be converted to Feature Group D Access when it becomes available in an end office. A more detailed description of FGC Access is provided in 6.2.3 following.

Feature Group C Features	Bundled		Unbundled	
	Chargeable	Nonchargeable	Chargeable	Nonchargeable
Alternate Traffic Routing		X		X
Automatic Number Identification		X	X	
Band Advance Arrangement for Use with DALs		X		X
Called Directory Number Delivery		X	X	
Circular Multiline Hunt for Use with DALs		X	X	
Delay Dial Start - Pulse Signaling		X		X
Dial Pulse Address Signaling		X		X
Dual Carrier Tandem Routing		X		X
End Office End User Line Service Screening for Use with DALs		X		X
Immediate Dial Pulse Address Signaling		X		X
Nonhunting Number for Use with Hunt Group with DALs		X		X
Preferential MLHG with DALs		X	X	
Regular MLHG with DALs		X	X	
Service Class Routing		X		X
Trunk Access Limitation		X		X
Uniform Call Distribution with DALs		X	X	

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(E) Circuit Switched - Trunk Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated 101XXXX access code (where end office switches are suitably equipped), for the customer's use in originating and terminating communications. A more detailed description of FGD Access is provided in 6.2.4 following.

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Operator Transfer Service, as described in 6.1.3(A)(3)(a) following, is an optional service available for use with Feature Group D. Operator Transfer Service is ordered as set forth in 5.2 preceding. In addition to premium Feature Group D charges, Operator Transfer Service is subject to the rates and charges specified in 6.1.3(A)(3)(a) and 6.9.1(D)(1) following.

Feature Group D Features	Bundled		Unbundled	
	Chargeable	Nonchargeable	Chargeable	Nonchargeable
Alternate Traffic Routing		X		X
Automatic Number Identification		X	X	
Band Advance Arrangement for Use with DALs		X		X
Call Gapping Arrangement		X		X
Cut Through	X		X	
Dual Carrier Tandem Routing		X		X
End Office End User Line Service for Use with DAL		X		X
Regular MLHG for Use with DALs		X	X	
International Carrier Option		X		X
Nonhunting Number for MLHG or UCD for Use with DALs		X		X
Service Class Routing		X		X
Trunk Access Limitation		X		X
Uniform Call Distribution for Use with DALs	X	X		
Feature Group D with 950 Access		X		X
Public Switched Digital Service Switching Capability	X		X	
Signaling System Seven Signaling		X		X
Basic Initial Address Message Delivery		X	X	
SS7 Optional Parameters				
a. Carrier Identification Parameters	X		X	

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(E) Circuit Switched - Trunk Feature Group D (FGD) (Cont'd)

Feature Group D Features	Bundled		Unbundled	
	Chargeable	Nonchargeable	Chargeable	Nonchargeable
Make Busy Arrangement	X		X	
Circular MLHG for Use with DALs		X	X	
Preferential MLHG for Use with DALs		X	X	
Called Directory Number Delivery		X	X	
Flexible Automatic Number Identification	X		X	

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(F) 500 Access Service

500 Access Service is an originating offering using trunk side Switched Access Service. This service provides a customer identification function for numbers using the 500 service access code (i.e., 1+500+NXX-XXXX). 500 Access Service may also be expanded to include 0+500+NXX-XXXX dialing capability with the 0+ Option.

When a customer requests the Telephone Company to open the 500 access code and any associated NXXs within a specified LATA, the order must include the provisioning of all offices within that LATA. Customers with 500 Access Service may also order the 0+ Option. If the customer requests the 0+ Option, it must be ordered for all offices within the LATA. The 0+ Option will apply to all the customer's 500 Access Service NXXs in a specific LATA. All subsequent orders for 500 service in that LATA must include the 0+ Option.

When a 1+500+NXX-XXXX or 0+500+NXX-XXXX call is originated by an end user, the Telephone Company will use the 500-NXX dialed digits to determine the customer identification and the customer location to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to the customer. Calls originating in an end office switch to which the customer has not ordered 500 Access Service will be routed to intercept.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(F) 500 Access Service (Cont'd)

1+500+NXX-XXXX calls from Telephone Company coin telephones as well as 101XXXX and Inmate Service calls using the 500 service access code will be blocked. 0+500+NXX-XXXX will be routed only to customers who have ordered the 0+ Option, to the NXXs assigned to them. 0+500 calls to customers that have not ordered the 0+ Option will be blocked. 0+500 calls originating from WATS lines that do not permit interstate calling will also be blocked. 0+500 dialing will be permitted from all Telephone Company coin telephones and other coin telephones that allow it.

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The manner in which 500 Access Service 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 500 Access Service is provided from an end office equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group D (FGD) (i.e., technical specifications, Telephone Company switch and customer premises interfaces, design blocking criteria, addressing signaling, etc.). When 500 Access Service is provided from an end office not equipped with equal access capabilities, such service will be provisioned in accordance with the technical characteristics available with Feature Group C (FGC).

500 Access Service usage measurement shall be in accordance with the regulations set forth in 6.7.7 following for FGC and FGD. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured as FGC access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which FGD access minutes are measured.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(F) 500 Access Service (Cont'd)

Unless prohibited by technical limitations, (e.g., different dialing plans), the customer's 500 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-500 Access Service traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for 500 Access Service.

When 500 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 500 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for 500 Access Service, usage will be billed separately unless aggregation with FGC or FGD usage is requested and is technically feasible.

The nonrecurring charges for 500 Access Service and the 0+ Option are described in Section 6.9.3(B).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision
(Cont'd)

(G) 900 Access Service

900 Access Service, is an originating offering utilizing trunk side Switched Access Service. The service provides a customer identification function based on the dialed 900 number.

900 Access Service is provisioned with 1+900+NXX-XXXX. 900 Access Service may be expanded to include 0+900+NXX-XXXX dialing capability with the 0+ Option. When a customer requests the Telephone Company to open a 900 NXX access code for 900 Access Service within a specified LATA, the order must include the provisioning of all offices within that LATA, or, at the customer's option, all offices equipped with equal access capabilities within that LATA. The customer must have 900 Access Service to order the 0+ Option. If the customer expands their 900 Access Service to include the 0+ Option, it must also be ordered for all offices within the LATA, or at the customer's option, all offices equipped with equal access capabilities within the LATA. The 0+ Option will apply to all the customer's 900 Access Service NXXs. Once the customer has ordered the 0+ Option in a specific LATA, then all subsequent orders for 900 Access Service in that LATA must include the 0+ Option.

When a 1+900+NXX-XXXX or 0+900+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the 900-NXX dialed digits to determine the customer location to which the call is to be routed. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an office at which the function is available. Once customer identification has been established, the call will be routed to the customer. Calls originating in an end office switch but to which the customer has not ordered 900 Access Service, will be routed to intercept. 1+900+NXX-XXXX calls from Telephone Company coin telephones, 0-, 101XXXX and Inmate Service will be blocked. Only customers who order the 0+ Option (i.e., 0+900+NXX-XXXX) will receive 0+900 calls to the NXX's assigned to them. 0+900 calls to customers that have not ordered the 0+ Option, calls from Inmate Service, 101XXXX and WATS lines that do not permit interstate calling will be blocked. 0+ 900 dialing will be permitted from all Telephone Company coin telephones and available to all non-Telephone Company coin telephones that choose to allow it. 1+900 and 0+900 will not be permitted from end user access lines that have specifically requested that 900 calls be blocked.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)****(G) 900 Access Service (Cont'd)**

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The manner in which 900 Access Service 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 900 Access Service is provided from an end office equipped with equal access capabilities, all such service will be provisioned in accordance with the technical characteristics available with Feature Group D (i.e., technical specifications, Telephone Company switch and customer premises interfaces, design blocking criteria and address signaling, etc.). When 900 Access Service is provided from an end office not equipped with equal access capabilities, such service will be provisioned in accordance with the technical characteristics available with Feature Group C.

Additionally, 900 Access Service usage measurement shall be in accordance with the regulations set forth in 6.7.7 following for Feature Groups C and D. Specifically, for usage originating from end offices not equipped with equal access capabilities, access minutes shall be measured as Feature Group C access minutes are measured. For usage originating from end offices equipped with equal access capabilities, access minutes shall be measured in the same manner in which feature Group D access minutes are measured.

Unless prohibited by technical limitations (e.g., different dialing plans), the customer's 900 Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-900 Access Service traffic. When required by technical limitations, or at the request of the customer, a separate trunk group will be established for 900 Access Service.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision
(Cont'd)

(G) 900 Access Service, (Cont'd)

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When 900 Access Service traffic is combined in the same trunk group arrangement with other traffic, usage for the 900 Access Service traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for 900 Access Service, usage will be billed separately unless aggregation with Feature Group C or D usage is requested and is technically feasible.

The Telephone Company may, at its option, implement network management controls (e.g., call gapping and code blocking) to protect the network from traffic surges due to peaked 900 Access services. Customer notification of peaked services is required per paragraph 6.6.1(E).

The nonrecurring charges for 900 Access Service and the 0+ Option are described in Section 6.9.3(B).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Alternate Card Access service

(1) Option 1

Alternate Card Access (ACA) service is an originating switched access service that enables customers to receive originating InterLATA or international sent-paid pay phone traffic when the customers' end users place calls from designated Telephone Company pay phones using the Ameritech debit card.

The Ameritech debit card is a card available to end users in varying dollar denominations that can be used in conjunction with ACA service to place prepaid interLATA or international sent-paid calls from designated Telephone Company pay phones without the use of coins.

Alternate Card Access service is provisioned with a Telephone Company toll free number. When the Telephone Company toll free number is dialed by an end user, the call is routed to an ACA access tandem and connected to the Ameritech debit card system. The customer must order tandem-switched Feature Group D service with Switched Transport that is switched through each access tandem within the LATA designated by the Telephone Company as an ACA access tandem. The ACA access tandems are set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4 for Wire Center Information (V&H Coordinates). The Switched Transport for ACA service between the customer's Serving Wire Center and the ACA access tandem may be ordered as either Direct Transport service or Tandem Switched Transport service.

Customers requesting Alternate Card Access service must have an Alternate Card Access service billing and collections agreement with the Telephone Company.

The first time the Ameritech debit card is used for interLATA calling, the system prompts the end user caller to identify the Carrier Identification Code (CIC) of the customer they wish to have transport the call. The carrier chosen will be the carrier used for any subsequent interLATA calls placed using this same debit card. When the debit card is purchased, the end user is issued a list of Carrier Identification Codes of customers participating in Alternate Card Access service. If the end user does not respond with a valid CIC of an ACA participating customer, the system will prompt the end user to select a CIC code from a randomly ordered list of the participating customers' CICs.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Alternate Card Access service (Cont'd)

(1) Option 1 (Cont'd)

The list of available ACA customers read by the debit card system will be updated monthly. The initial order by which the customers will be listed will be determined by lottery. For each subsequent monthly update following the initial order selection, the customer in the first position on the list will be moved to the last position on the list. All other customers on the list will be moved up one position, e.g., 3rd to 2nd, 2nd to 1st, etc. New Alternate Card Access service customers will be placed at the bottom of the list of customers pending the next monthly update.

Calls to 900, 976, Toll Free, 500 or 555 numbers are blocked.

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ACA service is provisioned in accordance with the technical characteristics available with Feature Group D. ACA service is available with Interface Groups 2, 6, 9 and 11 at the customer premises as described in Section 6.1.3(A)(2) following. These interfaces are provided with Type A Transmission Specifications as set forth in Technical Reference TR-NWT-000334.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Alternate Card Access service (Cont'd)

(1) Option 1 (Cont'd)

Alternate Card Access service calls are delivered to the customer's point of presence with unique ANI digits. Customers subscribing to ACA service must be able to recognize these unique ANI digits in order to identify ACA calls.

The customer's ACA traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's non-ACA traffic unless prohibited by technical limitations.

The usage for Alternate Card Access service is charged at Feature Group D rates as set forth in Section 6.9. The usage measurement for ACA service will be in accordance with the regulations set forth in Sections 6.8.7 for Feature Group D. The mileage measurement for Switched Transport provided in conjunction with ACA service will be in accordance with the mileage measurement regulations for Switched Transport services as set forth in Section 6.8.13.

(2) Option 2

Option 2 of Alternate Card Access is a switched access service that allows customers to accept the Ameritech PrePaid Calling Card (APCC) as payment for sent-paid interLATA or international traffic when the customer's end users originate calls in the North American Numbering Plan (NANP) area

The PrePaid Calling Card customer will select the interexchange carrier that will be used for each interLATA call. Any IXC may participate in this service on a non-discriminatory basis. The IXC, exclusively, will be responsible for: 1) carrying all interLATA calls; 2) interLATA call rates and rate structure; and 3) selecting the toll free number (from those made available by the Telephone Company) that will be used by the end user to access the prepaid calling card service.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Alternate Card Access service (Cont'd)

(2) Option 2 (Cont'd)

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The Ameritech PrePaid Calling Card is a card available to end users in varying dollar denominations that can be used in conjunction with ACA service Option 2 to pay for interLATA or international sent-paid calls placed from any telephone in the NANP area.

ACA service with the APCC (Option 2) is provisioned with a separate Telephone Company provided toll free number for each participating carrier customer. When the Telephone Company toll free number associated with a particular carrier customer is dialed by an end user within an area served by the Telephone Company, the call is routed to an ACA access tandem and connected to the APCC Call Matrix which will route the call to the customer's point of presence. The customer must order tandem-switched Feature Group D service through the one access tandem in each LATA designated by the Telephone Company as the ACA access tandem as described in Option 1.

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If a customer intends to handle calls that originate outside the areas served by the Telephone Company, then the customer must have at least one DS1 Special Access Local Distribution Channel and Interoffice Mileage, as necessary, to connect from the customer's point-of-presence to the APCC Call Matrix. Special Access rates as set forth in Section 7.5.9 apply to this connection.

When the Telephone Company toll free number is dialed by an end user outside the areas served by the Telephone Company, the call is routed based on the toll free number to the customer which must deliver the call from its point of presence to the APCC Call Matrix at the Franklin office (CHCGILFR) in Chicago, Illinois. The APCC Call Matrix will return the call to the same customer point of presence.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(H) Alternate Card Access service (Cont'd)

(2) Option 2 (Cont'd)

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Customers requesting Alternate Card Access service Option 2 must be able to handle all calls originating in the NANP area and must have an Alternate Card Access service billing and collection agreement with the Telephone Company.

Calls to 900, 976, toll free, 500 and 555 numbers are blocked by the ACA arrangement.

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ACA service Option 2 is provisioned in accordance with the technical characteristics available with Feature Group D as described for Option 1.

Feature Group D rates as set forth in Section 6.9 apply to ACA service option 2. The usage measurement for ACA service will be in accordance with the regulations set forth in Sections 6.8.8 for Feature Group D. The mileage measurement for Switched Transport provided in conjunction with ACA service will be in accordance with the mileage measurement regulations for Switched Transport services as set forth in Section 6.8.13.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(I) Manner of Provision

Switched Access is furnished in quantities of lines or trunks. FGA Access is furnished on a per line basis. FGB Access, FGC Access and FGD Access are furnished on a per trunk basis as set forth in 5.2 preceding.

Trunks are differentiated by type and directionality of traffic carried over a Switched Access Service arrangement. Differentiation of traffic is necessary for the Telephone Company to properly design Switched Access Service to meet the traffic carrying capacity requirement of the customer.

There are five major traffic types. These are: Originating, Terminating, Public Switched Digital Service (PSDS), 64 Clear Channel Capability (64 CCC) and Directory Assistance. Originating traffic type represents access capacity within a LATA for carrying traffic from the end user to the customer. Terminating traffic type represents access capacity within a LATA for carrying traffic from the customer to the end user. PSDS traffic type represents access capacity in a LATA for carrying digital traffic at speeds up to 56 Kbps between the customer and the end user. PSDS traffic must be two-way, and, when required by technical limitations, must be provided on separate trunks. 64 CCC traffic type represents access capacity in a LATA for carrying digital traffic at speeds up to 64 Kbps between the customer and the end user. Directory Assistance traffic type represents access capacity within a LATA for carrying Directory Assistance traffic from the customer to a Directory Assistance location. When ordering capacity for FGC Access or FGD Access, the customer must at a minimum specify such access capacity in terms of Originating traffic type and/or Terminating traffic type or PSDS traffic type (for FGD only). FGD Access with Optional Tandem Switching requires separate one-way originating and/or one-way terminating trunk groups. Directory Assistance traffic type is used for ordering Directory Assistance Access Service as set forth in 9. following. Additionally, when ordering capacity for 500 Access Service or 900 Access Service, the customer must specify the originating type.

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y Material effective on the deferred date of January 24, 1995
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements and Manner of Provision (Cont'd)

(I) Manner of Provision (Cont'd)

Because some customers will wish, or may be required, to further segregate their originating traffic into separate trunk groups, originating traffic type is further categorized as follows:

Domestic - access capacity for carrying only domestic traffic other than 500, 700, 800, 900, Operator, Operator Transfer Service Inward Assistance and Alternate Card Access traffic.

500 - access capacity for carrying only 500 traffic

700 - access capacity for carrying only 700 traffic

800 - access capacity for carrying only 800 traffic

900 - access capacity for carrying only 900 traffic

1DDD - access capacity for carrying only International Direct Distance Dialing traffic.

Operator Transfer Service - access capacity for carrying only Operator Transfer Service traffic.

Alternate Card Access Service - access capacity for carrying only alternate card access service traffic.

Inward Assistance Service - access capacity for carrying only alternate card access service traffic.

Non presubscribed - access capacity where use of an access code (other than 1+) is required.

When ordering such types of access capacity, the customer must specify the appropriate traffic type(s).

6.1.2 Dedicated Access Line Service

Dedicated Access Line Service is a type of Special Access Service that is provided for use with Switched Access Service, as described below. The customer must specify the type of Switched Access service to be used in conjunction with each Dedicated Access Line ordered. This Service is described in 7.2.3 and 7.2.9 following.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.2 Dedicated Access Line Service (Cont'd)**

Where intrastate calls are carried over Dedicated Access Lines, applicable intrastate rates and charges will be used to rate those calls. Intrastate intraLATA calls will be completed in a manner consistent with established policies of intrastate authorities.

Connections to Switched Access Service made be made as follows:

(A) WATS Access Capability

When used to provide WATS capability, Dedicated Access Line Service connects an end user premises with a WATS Serving Office, and may be used with Feature Groups B, C and D for originating and terminating traffic and with Feature Group A for terminating traffic.

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Switched Access Service for WATS capability is connected to a Dedicated Access Line at the WATS Serving Office, with no blocking or screening of traffic. Optional blocking and screening are available as a Common Switching Optional Feature as described in 6.3.1(A)(9).

(B) Public Switched Digital Service (PSDS) Access Capability

When used to provide PSDS capability, Dedicated Access Line Service connects a customer designated premises with a PSDS serving office, and may be used with Feature Group D for originating and terminating traffic.

6.1.3 Rate Categories

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

- Switched Transport (described in 6.1.3(A) following)
- End Office (described in 6.1.3(B) following)
- Data Base Services (described in 6.1.3(C) following)
- Common Line (described in Sections 3. and 4., preceding)

In addition to the four rate categories, an Information Surcharge as set forth in 6.9.9 following, applies to all Switched Access Service Arrangements.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

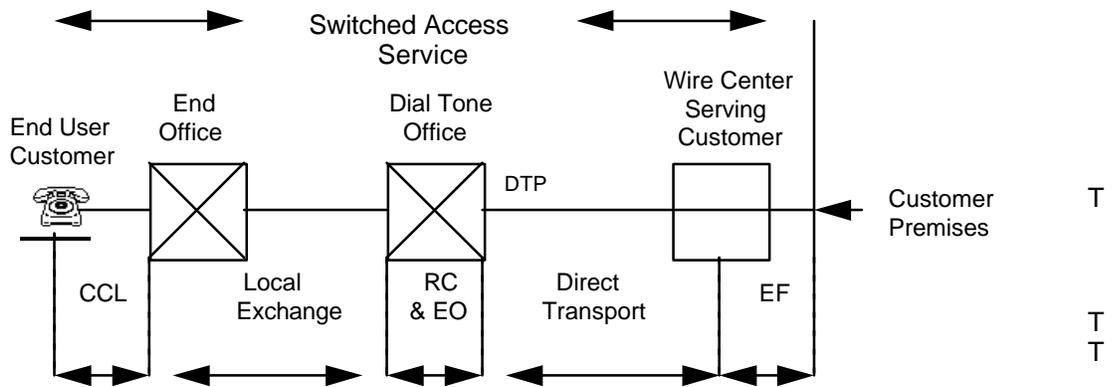
6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

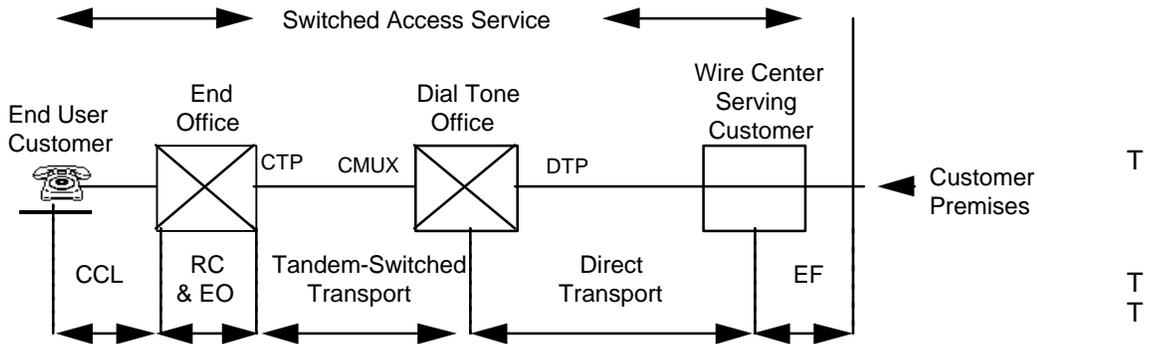
The following diagrams depict generic views of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.

The following two diagrams represent the components of line side service provided in conjunction with Feature Groups A (FGA) Switched Access service. The first diagram displays the originating FGA service and the second diagram shows terminating FGA service.

ORIGINATING LINE SIDE SERVICES



TERMINATING LINE SIDE SERVICES



- RC - Residual Charge
- CCL - Carrier Common Line
- EO - End Office
- EF - Entrance Facility
- CTP - Common Trunk Port
- DTP - Dedicated Trunk Port
- CMUX - Common Multiplexing

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

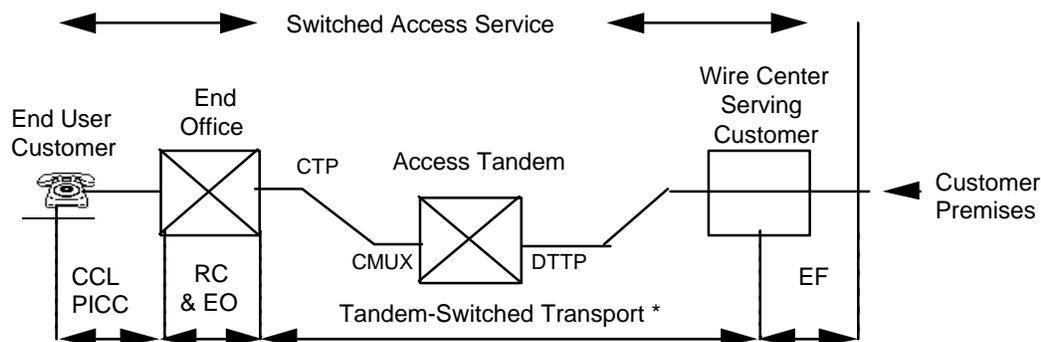
6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

The following six diagrams display different trunk side service configurations available for the provisioning of Feature Groups B (FGB), FGC and FGD Switched Access services:

- Tandem-Switched Services - Tandem-Switched Transport from serving wire center to end office,
- Direct Transport Services - Direct Transport from serving wire center to end office
- Direct Transport and Tandem-Switched Services - Direct Transport from serving wire center to access tandem and Tandem-Switched Transport from access tandem to end office,
- Hubbed Direct Transport service,
- Direct Transport Host-Remote Services - Direct Transport from serving wire center to Host office and Host-Remote Transport from the Host Office to remote Office. T
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- Tandem-Switched Host-Remote Services - Tandem-Switched Transport from serving wire center to Host office and Host-Remote Transport between the Host office and the remote office. T
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TANDEM-SWITCHED SERVICES



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|------|---|--------------------------------------|---|
| PICC | - | Primary Interexchange Carrier Charge | N |
| RC | - | Residual Charge | |
| CCL | - | Carrier Common Line | |
| EO | - | End Office | |
| EF | - | Entrance Facility | |
| CTP | - | Common Trunk Port | N |
| DTTP | - | Dedicated Tandem Trunk Port | |
| CMUX | - | Common Multiplexing | N |

* This rating option expires July 1, 1998. (TR1135)
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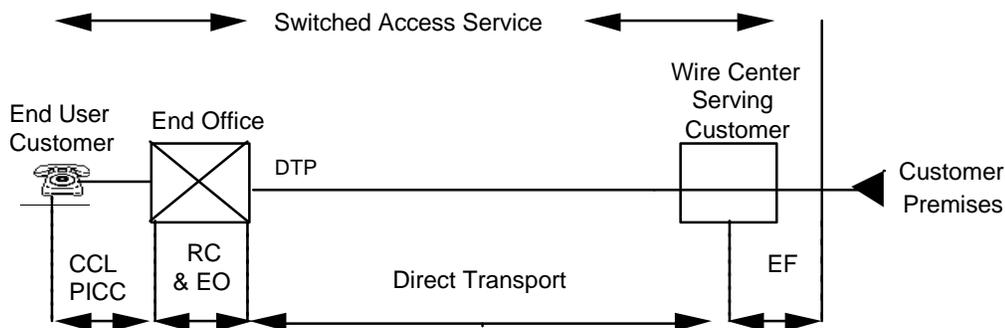
ACCESS SERVICE

6. Switched Access Service (Cont'd)

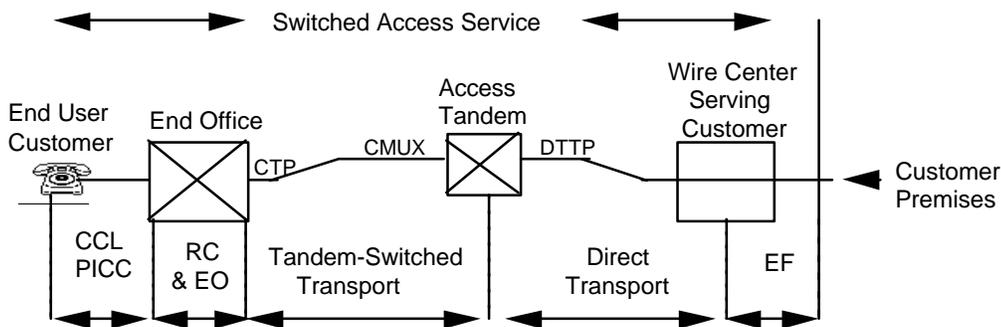
6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

DIRECT TRANSPORT SERVICES



DIRECT TRANSPORT TO TANDEM SERVICES



- PICC - Primary Interexchange Carrier Charge
- RC - Residual Charge
- CCL - Carrier Common Line
- EO - End Office
- EF - Entrance Facility
- CTP - Common Trunk Port
- DTP - Dedicated Trunk Port
- DTTP - Dedicated Tandem Trunk Port
- CMUX - Common Multiplexing

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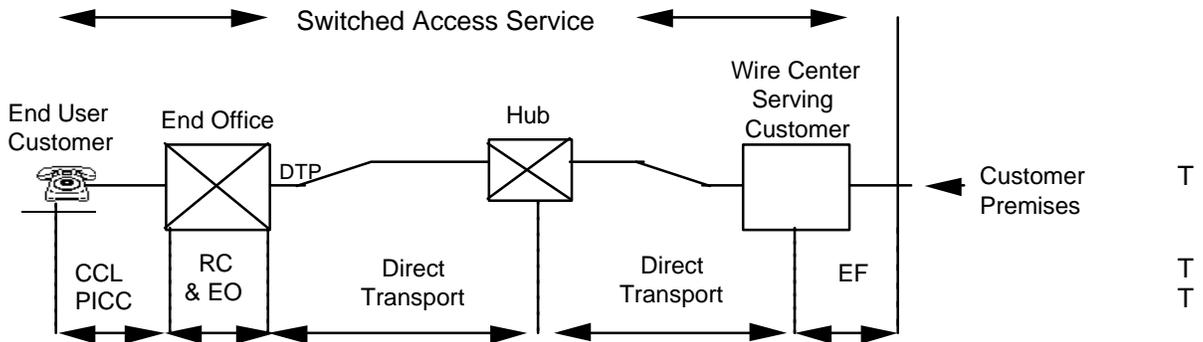
ACCESS SERVICE

6. Switched Access Service (Cont'd)

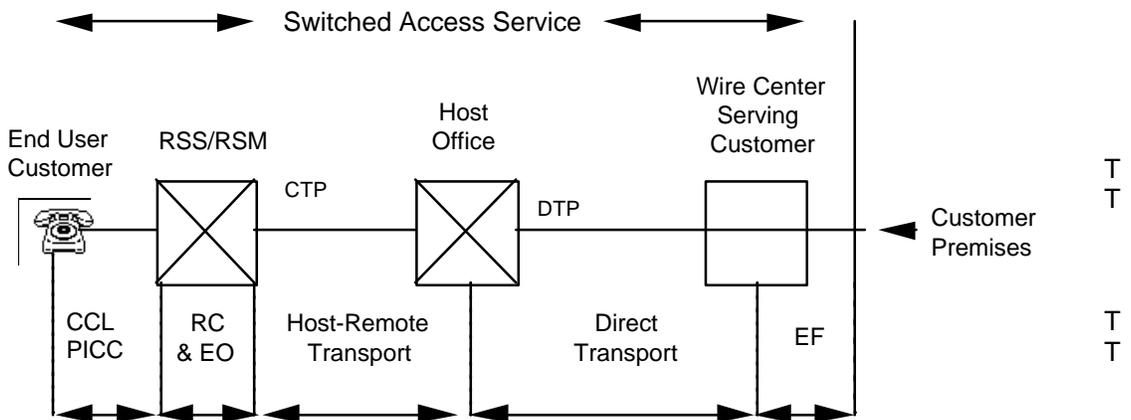
6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

HUBBED TRANSPORT SERVICES



DIRECT TRANSPORT HOST/REMOTE SERVICES



- PICC - Primary Interexchange Carrier Charge N
- RC - Residual Charge
- CCL - Carrier Common Line
- EO - End Office
- EF - Entrance Facility
- RSS - Remote Switching System
- RSM - Remote Switching Module
- DTP - Dedicated Trunk Port N
- CTP - Common Trunk Port N

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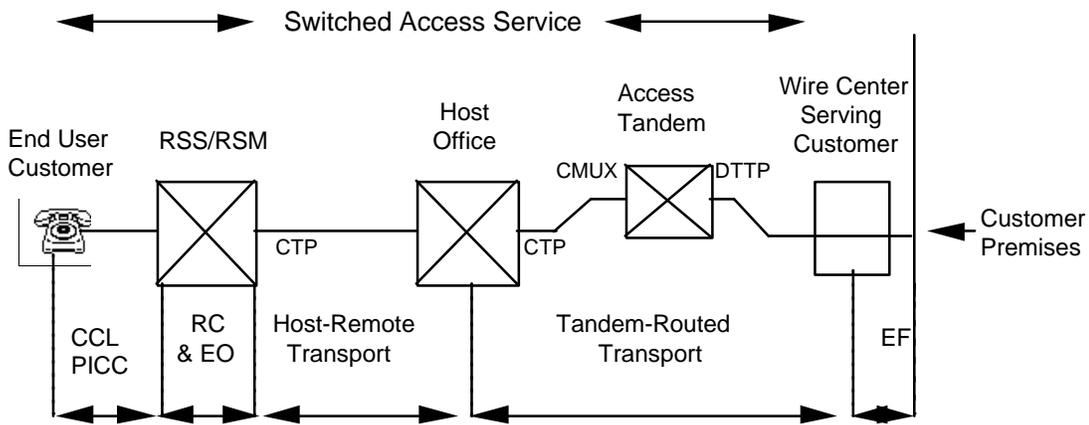
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

TANDEM-SWITCHED HOST-REMOTE SERVICES



- PICC - Presubscribed Interexchange Carrier Charge
- RC - Residual Charge
- CCL - Carrier Common Line
- EO - End Office
- EF - Entrance Facility
- RSS - Remote Switching System
- RSM - Remote Switching Module
- CTP - Common Trunk Port
- DTTP - Dedicated Tandem Trunk Port
- CMUX - Common Multiplexing

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ACCESS SERVICE

6 Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport

The Switched Transport rate category provides the transmission facilities between the customer's premises and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. It is composed of Switched Transport Service rate elements, Switched Transport Optional Feature rate elements and the Residual Charge rate element.

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

Switched Transport consists of various types of facilities, connections and optional features.

Four different types of Switched Transport Services are available: Entrance Facilities, Direct Transport, Tandem-Switched Transport Service, and Dedicated Signaling Transport Facilities. These services and the rate elements associated with them are described in Section 6.1.3(A)(1) following.

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Five Standard Interface Groups are provided for terminating Switched Transport Entrance Facilities at the customer's premises. These Interface Groups are described in Section 6.1.3(A)(2) following.

Switched Transport is provided at the rates and charges set forth in Sections 6.9.1 and 6.9.6 following. The application of these rates with respect to the different types of service is as set forth in 6.8.1(D) following.

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y Material effective on deferred date of December 30, 1993 under Transmittal No. 736. (TR764)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

The Telephone Company will work cooperatively with the customer in determining the directionality of the service. In addition, when the customer has ordered Feature Group D with the PSDS optional feature as set forth in 6.3.1(V) following, the Telephone Company will provide facilities that are capable of supporting transmission of digital data at speeds up to 56 Kbps and equipped with Interface Group 6 or Interface Group 9.

(1) Switched Transport Services

(a) Entrance Facilities

Switched Transport Entrance Facilities provide for a dedicated transmission facility between the customer's point of termination and the Telephone Company serving wire center. Included as part of the Entrance Facility is a standard network interface which defines the technical characteristics associated with the type of facilities to which the Switched Access Service is connected at the point of termination. The customer may select from a variety of entrance facilities operating at different transmission speeds and transmission characteristics defined by the network interface codes. These standard network interfaces are described in Section 6.1.3(A)(2) following.

The Entrance Facility rate elements are comprised of a Voice Grade Entrance Facility rate, an LT-1 Entrance Facility rate and an LT-3 Entrance Facility rate, depending on the transmission speed of the Entrance Facility that the customer selects. These Entrance Facilities provide transmission operating at the following speeds:

- Voice Grade Entrance Facilities provide analog transmission operating at 300 to 3000 Hz.
- LT-1 Entrance Facilities provide digital transmission operating at the terminating bit rate of 1.544 Mbps; and,
- LT-3 Entrance Facilities provide digital transmission operating at the terminating bit rate of 44.736 Mbps.

The rate application for Entrance Facilities is set forth in Section 6.8.1(D). Switched Transport Entrance Facilities are provided at the rates and charges set forth in Section 6.9.6.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Switched Transport Services (Cont'd)

(b) Direct Transport Services

Direct Transport services provide Switched Transport that does not require switching at an access tandem. Direct Transport characteristics are described below.

The Direct Transport option provides Switched Transport on circuits dedicated to the use of a single customer between:

- The customer's serving wire center and an end office; or
- The customer's serving wire center and an access tandem; or
- The customer's serving wire center and a Telephone Company hub where multiplexing functions are performed; or
- A Telephone Company hub and an end office.

Direct Transport provides Switched Transport on circuits with the following transmission characteristics:

- Voice Grade Direct Transport rate elements are provided over analog facilities operating at 300 to 3000 Hz;
- LT-1 Direct Transport rate elements are provided over digital transmission facilities operating at the terminating bit rate of 1.544 Mbps; and
- LT-3 Direct Transport rate elements are provided over digital transmission facilities operating at the terminating bit rate of 44.736 Mbps.

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y Material effective on deferred date of December 30, 1993 under Transmittal No. 736.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Switched Transport Services (Cont'd)

(b) Direct Transport Services (Cont'd)

Direct Transport requires a trunk port, as described in 6.1.3(B)(3) and may require multiplexing as described in 6.1.3(A)(7).

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When the customer orders Direct Transport, for Feature Group B, C or D, to an access tandem, then all Switched Transport for that Feature Group switched through the tandem to end offices subtending the tandem must be ordered as Direct Transport to the tandem. Beginning July 1, 1998, all Switched Transport that is routed through an access tandem must include Direct Transport between the serving wire center and the access tandem.

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Direct Transport is available via the following Direct Transport rate elements depending on the facilities provided:

- Voice Grade, LT-1 and LT-3 Direct Transport Channel Mileage Termination (CMT) rate elements; and
- Voice Grade, LT-1 and LT-3 Direct Transport Channel Mileage (CM) rate elements.

Direct Transport is provided with the customer retaining Connecting Facility Assignment (CFA) control of the facilities.

At the customer's request, the Telephone Company will maintain CFA control of the customer's facilities. This option is only available with LT-1 Direct Transport. This option is not available with the Dual Carrier Tandem Routing optional feature.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Switched Transport Services (Cont'd)

(b) Direct Transport Services (Cont'd)

The Direct Transport Channel Mileage Termination rate element provides for the termination of the interoffice facility at each end of the Direct Transport Service.

The Direct Transport Channel Mileage rate element provides for the interoffice transmission facilities between the customer designated offices specified above. The channel mileage charges apply per mile of interoffice transport, calculated as described in Section 6.8.12 following.

Direct Transport Services are not available to Remote Switching Systems, Remote Switching Modules or end offices that do not have the necessary recording and measuring capabilities.

The rate application for Direct Transport Services is described in Section 6.8.1(D). Direct Transport is provided at the rates and charges set forth in Section 6.9.6.

(c) Tandem-Switched Transport Services

Tandem-Switched Transport provides Switched Transport that is switched through a tandem switch, between the customer's serving wire center and the end offices subtending the tandem. Tandem Switched Transport is also available between an access tandem and end offices subtending that tandem. Tandem-Switched Transport consists of circuits dedicated to the use of a single customer from the serving wire center to the tandem and circuits used in common by multiple customers from the tandem to the end office.

Beginning July 1, 1998, the dedicated transport provided between the serving wire center and the tandem must be ordered as Direct Transport, as described in (b) preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Switched Transport Services (Cont'd)

(c) Tandem-Switched Transport Services (Cont'd)

Tandem-Switched Transport is composed of the following usage sensitive rate elements:

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- The Tandem-Switched Termination element includes the non-distance sensitive portion of Switched Transport, and is assessed on a per access minute of use basis.
- The Tandem-Switched Facility element includes the distance sensitive portion of Switched Transport and is assessed on a per access minute of use per mile basis as described in Section 6.8.12 following.
- The Tandem Switching element includes the access tandem switching associated with Tandem-Switched Transport traffic and is assessed per access minute switched through the tandem.

Tandem-Switched Transport requires dedicated tandem trunk ports, as described in (6), and end office common trunk ports as described in Section 6.1.3 (B)(2) following. In addition, common multiplexing, as described in (7), includes the multiplexing associated with the Tandem-Switched Transport.

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When a customer orders Tandem-Switched Transport, for Feature Group B, C or D, from its serving wire center, through a specific access tandem, to subtending end offices, then all Switched Transport for that Feature Group switched through the tandem to the end offices that subtend that specific access tandem must be ordered utilizing this same service configuration. This ordering option expires July 1, 1998.

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The rate application for Tandem-Switched Transport rates is set forth in Section 6.8.1(D). Tandem-Switched Transport is provided at the rates and charges set forth in Section 6.9.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Switched Transport Services (Cont'd)

(d) Dedicated Signaling Transport Services

Dedicated Signaling Transport provides for the transport of out-of-band signaling information between the customer designated premises and the Telephone Company Signal Transfer Point (STP). It is available via the Switched Transport Signal Transfer Point Access optional feature described in Section 6.1.3(A)(4)(b) following.

(2) Interface Groups

Five Standard Interface Groups are provided for terminating the Switched Transport at the customer's premises. These interface groups define transmission characteristics associated with the Entrance Facility and all transport facilities that interconnect with the Entrance Facility. The available Interface Groups are 1, 2, 6, 9 and 11. Non-standard Interface Groups, described in (1) following, may also be provided in conjunction with shared use of digital high capacity facilities provided as a Specialized Service or Arrangement in Section 12 Following.

The following Entrance Facilities are available with the Interface Groups specified at the customer premises:

- Voice Grade Entrance Facilities are available with Interface Groups 1 and 2,
- LT-1 Entrance Facilities are available with Interface Group 6, and,
- LT-3 Entrance Facilities are available with Interface Group 9, and Interface Group 11*.

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* Interface Group 11 is only available with Shared Use Facilities.
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

The interface group chosen may require multiplexing arrangements depending upon the Switched Transport Services being connected. Switched Transport multiplexing is provided at serving wire centers, hubbing offices, tandems and end offices as set forth in Section 6.1.3(A)(7).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

Each Interface Group provides a specified premises interface (e.g. two-wire, four-wire, DS1, etc.). Where transmission facilities permit, the individual transmission path between the customer's premises and the first point of switching may at the option of the customer be provided with optional features as set forth in (2) and (3) following.

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 premises. For example, if a voice frequency interface is ordered by the customer and the Telephone Company facilities serving the customer's premises are digital, then Telephone Company channel bank equipment must be placed at the customer's premises in order to provide the voice frequency interface ordered by the customer.

Interface Group 1 is provided with Type C Transmission Specifications and Interface Groups 2, 6, 9 and 11 are provided with Type A or B Transmission Specifications, depending on the type of service and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer premises. The premises interface associated with the Interface Groups may vary among different types of service. The various premises interfaces which are available with the Standard Interface Groups, and the Feature Groups with which they may be used, are set forth in (f) following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

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(2) Interface Groups

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(a) Interface Group 1 (USOC TPP1X)

Interface Group 1, except as set forth in the following, provides two-wire voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

Interface Group 1 is not provided in association with FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC or FGD when the first point of switching provides only four-wire terminations.

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

(b) Interface Group 2 (USOC TPP2X)

Interface Group 2 provides four-wire voice frequency transmission at the point of termination at the customer's premises. The interface is capable of transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

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(2) Interface Groups (Cont'd)

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(b) Interface Group 2 (USOC TPP2X) (Cont'd)

The transmission path between the point of termination at the customer's premises and the first point of switching may be comprised of any form or configuration of plant capable of and typically used in the telecommunications industry for the transmission of voice and associated telephone signals within the frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with loop supervisory signaling. When the interface is associated with FGA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

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(2) Interface Groups (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

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(2) Interface Groups (Cont'd)

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(c) Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz. When digital switching or analog switching with digital carrier terminations is provided, the Telephone Company will provide, at the first point of switching, a DS1 signal in D3/D4 format.

The interface is provided with individual transmission path bit stream supervisory signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(d) Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the customer must order an LT-3 to LT-1 multiplexer. The Telephone Company will provide multiplexing and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz.

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When digital switching, or analog switching with digital carrier terminations is provided, the customer must order an LT-3 to LT-1 multiplexer to derive up to 28 DS1 signals in D3/D4 format.

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The interface is provided with individual transmission path bit stream supervisory signaling.

(TR1135)

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Effective: January 1, 1998

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont')

(e) Interface Group 11 (USOC TPPZY)

Interface Group 11 provides DS3 level digital transmission via an optical interface, at the point of termination at the customer's premises. This interface is capable of transmitting asynchronous optical signals at multiples of the DS3 bit rate at either 12 or 24 DS3 equivalent channel capacities. This interface is only available in conjunction with Shared Use Facilities, where the customer's Special Access Facilities are provided with an optical interface per Sections 5.2.7, 6.7.13 and 7.4.8 following. Before the first point of switching, when analog switching using analog terminations is provided, the customer must order an DS3 to DS1 multiplexer (Section 7.2.9(B)(4)(f)(1)) and an DS1 to voice/ base rate multiplexer (Section 7.2.9(B)(4)(f)(2)) to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz per equivalent DS3 channel. Before the first point of switching when digital switching, or analog switching with digital carrier terminations is provided, the customer must order an DS3 to DS1 multiplexer to derive up to 28 DS1 transmission paths in D3/D4 format per equivalent DS3 channel.

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(e) Interface Group 11 (USOC TPPZY) (Cont'd)

This interface will support individual transmission bit-stream supervisory signaling.

Certain material previously on this page now appears on Original Page 128.3.

(TR1120)

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Effective: September 6, 1997

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(f) Interface Group 12 (USOC TPPDX)

Interface Group 12 provides a SONET optical interface at the point of termination at the customer's premises capable of transmitting synchronous optical signals at:

155.520 Mbps (OC-3)	+/- 20 ppm*
622.080 Mbps (OC-12)	+/- 20 ppm*
2488.32 Mbps (OC-48)	+/- 20 ppm*
9953.28 Mbps (OC-192)	+/- 20 ppm*

(N)

The interface is provided with either individual transmission path bit-stream supervisory signaling or Common Channel Signaling.

Before the first point of switching, when analog switching using analog terminations is provided and LT-1 transport is utilized, the Telephone Company will provide multiplex and channel bank equipment to derive 24 transmission paths of approximately 300 to 3000 Hz per equivalent DS1 channel.

Before the first point of switching, when analog switching using analog terminations is provided and LT-3 transport is utilized, the customer must order an LT-3 to LT-1 multiplexer. The Telephone Company will provide multiplex and channel bank equipment to derive up to 672 transmission paths of a frequency bandwidth of approximately 300 to 3000 Hz per equivalent DS3 channel.

Before the first point of switching when digital switching, or analog switching with digital carrier terminations is provided and LT-3 transport is utilized, the customer must order an LT-3 to LT-1 multiplexer to derive up to 28 DS1 transmission paths in D3/D4 format per equivalent DS3 channel.

* Note: +/- 20 ppm applies to free running mode. Normal operating mode is synchronized with timing traceable to a Stratum 1 clock.

(This page filed under Transmittal No. 1285)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(g) Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. See the Glossary of Channel Interface Codes in 7.3 following.

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Feature Group			
			A	B	C	D
1	LO	2LS2	X			
	LO	2LS3	X			
	GO	2GS2	X			
	GO	2GS3	X			
	LO, GO	2DX3	X			
	LO, GO	4EA3-E	X			
	LO, GO	4EA3-M	X			

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Certain material on this page previously appeared on 2nd Revised Page 128.1.

(TR1120)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(g) Available Premises Interface Codes (Cont'd)

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Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			A	B	C	D
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	X			
	CCS	2N02		X*		X
	RV,EA,EB,EC	2DX3		X	X	X
	RV,EA,EB,EC	4EA3-E		X	X	X
	RV,EA,EB,EC	4EA3-M		X	X	X
	RV,EA,EB,EC	6EB3-E		X	X	X
	RV,EA,EB,EC	6EB3-M		X	X	X
	EA,EB,EC	6EC3			X	X
	RV	2RV3-O		X	X	X
	RV	2RV3-T		X	X	X
2	LO,GO	4SF2	X			
	LO,GO	4SF3	X			
	LO	4LS2	X			
	LO	4LS3	X			
	LO	6LS2	X			
	GO	4GS2	X			
	GO	4GS3	X			
	GO	6GS2	X			
	LO,GO	4DX2	X			
	LO,GO	4DX3	X			
	LO,GO	6EA2-E	X			
	LO,GO	6EA2-M	X			
	LO,GO	8EB2-E	X			
	LO,GO	8EB2-M	X			
	LO,GO	6EX2-B	X			
	CCS	4N02		X*		X
	RV,EA,EB,EC	4SF2		X	X	X
	RV,EA,EB,EC	4SF3		X		
	RV,EA,EB,EC	4DX2		X	X	X
	RV,EA,EB,EC	4DX3		X		
	RV,EA,EB,EC	6DX2			X	

* Terminating only.

(TR1120)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(g) Available Premises Interface Codes (Cont'd)

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Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			A	B	C	D
2 (Cont'd)	RV,EA,EB,EC	6EA2-E	X	X	X	
	RV,EA,EB,EC	6EA2-M	X	X	X	
	RV,EA,EB,EC	8EB2-E	X	X	X	
	RV,EA,EB,EC	8EB2-M	X	X	X	
	EA,EB,EC	8EC2-M			X	X
	RV	4RV2-O	X	X	X	
	RV	4RV2-T	X	X	X	
	RV	4RV3-O	X	X		
	RV	4RV3-T	X	X		
6	LO,GO	4DS5,8 or 9-15	X			
	LO,GO	4DS5,8 or 9-15L	X			
	CCS	4DS9-15		X*		X
	CCS	4DS9-15B, 15S or 1S				X
	RV,EA,EB,EC	4DS5,8 or 9-15	X	X	X	
	RV,EA,EB,EC	4DS5,8 or 9-15L	X	X	X	

* Terminating only.

(TR1120)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(g) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			A	B	C	D
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	CCS	4DS6-44		X*		X
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
11	LO, GO	2FCF-54	X			
	LO, GO	2FCF-12	X			
	RV, EA, EB, EC	2FCF-54		X	X	X
	RV, EA, EB, EC	2FCF-12		X	X	X
	CCS	2FCF-54		X*		X
	CCS	2FCF-12		X*		X
12	LO, GO	2SOF-A	X			
	LO, GO	2SOF-B	X			
	LO, GO	2SOF-C	X			
	LO, GO	2SOF-D	X			
	LO, GO	4SOF-A	X			
	LO, GO	4SOF-B	X			
	LO, GO	4SOF-C	X			
	LO, GO	4SOF-D	X			
	RV, EA, EB, EC	2SOF-A		X	X	X
	RV, EA, EB, EC	2SOF-B		X	X	X
	RV, EA, EB, EC	2SOF-C		X	X	X
	RV, EA, EB, EC	2SOF-D		X	X	X
	RV, EA, EB, EC	4SOF-A		X	X	X
	RV, EA, EB, EC	4SOF-B		X	X	X
	RV, EA, EB, EC	4SOF-C		X	X	X
	RV, EA, EB, EC	4SOF-D		X	X	X

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Certain material previously on this page now appears on 4th Revised Page 131.1.

* Terminating only.

(TR1120)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(g) Available Premises Interface Codes (Cont'd)

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Facility Interface Code	Feature Group			
			A	B	C	D
12 (Cont'd)	CCS	2SOF-A	X	X	X	
	CCS	2SOF-B	X	X	X	
	CCS	2SOF-C	X	X	X	
	CCS	2SOF-D	X	X	X	
	CCS	4SOF-A	X	X	X	
	CCS	4SOF-B	X	X	X	
	CCS	4SOF-C	X	X	X	
	CCS	4SOF-D	X	X	X	

(1) Non-Standard Interface Groups

Additional non-standard Interface Groups may be provided when a customer has ordered a Specialized Service or Arrangement, set forth in Section 12 following, which provides digital high capacity facilities to a Telephone Company hub. Both Switched Access Service and Special Access Service are provided over the digital high capacity facility under the Shared Use concept as described in Section 6.7.13 following. Operating characteristics and features available for any such non-standard Interface Group will be defined individually for each such service.

Certain material on this page previously appeared on 6th Revised Page 131.
 Certain material previously on this page now appears on Original Page 131.2.

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(TR1120)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(2) Interface Groups (Cont'd)

(1) NonStandard Interface Groups (Cont'd)

Each voice frequency channel activated for Switched Access Service under the Shared Use concept is identified by the USOC from the following table. The USOC corresponds to the overall transmission speed of the digital high capacity facility from which the voice frequency channel is derived.

Transmission Speed	Interface Group USOC
405 Mbps	TPPZX
565 Mbps	TPPZY

(2) Nonchargeable Optional Features

Where transmission facilities permit, the Telephone Company will, at the option of the customer, provide the following nonchargeable optional features in association with Local Transport. The optional features are provided as set forth in 6.8.1(C) following.

(a) Supervisory Signaling

Where the transmission parameters permit, and where signaling conversion is required by the customer to meet its signaling capability, the customer may order an optional supervisory signaling arrangement for each transmission path provided as follows:

- For Interface Groups 1 and 2
 - DX Supervisory Signaling, or
 - E&M Type I Supervisory Signaling, or
 - E&M Type II Supervisory Signaling, or
 - E&M Type III Supervisory Signaling

Certain material on this page previously appeared on 3rd Revised Page 131.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd) T

(3) Nonchargeable Optional Features (Cont'd) T

(a) Supervisory Signaling (Cont'd)

- For Interface Group 2

SF Supervisory Signaling, or
Tandem Supervisory Signaling

- For Interface Groups 6, 9 and 11.

These Interface Groups may, at the option of the customer, be provided with individual transmission path SF supervisory signaling where such signaling is available in Telephone Company central offices. Generally such signaling is available only where the entry switch provides an analog, i.e., non-digital, interface to the transport termination and a portion of the facility between the analog entry switch and the customer's premises is analog.

(b) Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference PUB TR-NPL-000334. This feature is available with Interface Groups 2, 6, 9 and 11 for Feature Groups A and B. T

(c) Customer Specification of Switched Transport Termination T

This option allows the customer to specify, for Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Telephone Company selected two-wire termination. This option is available only when the Feature Group B arrangement is provided with Type B Transmission Specifications. T

(TR736)

Issued: September 1, 1993

Effective: December 1, 1993

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(A) Switched Transport (Cont'd)****(3) Nonchargeable Optional Features (Cont'd)****(d) 64 Clear Channel Capability**

The 64 Clear Channel Capability (64 CCC) option employs the Bipolar 8 Zero Suppression (B8ZS) technique to permit customers to use the full 64 Kbps bandwidth of a DS0 channel. The wire centers equipped for 64 CCC are set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4 for Wire Center Information (V & H coordinates). 64 CCC, as described in AM-TR-TMO-000094, is available with Interface Groups 6 and 9 for Feature Group D with Signaling System 7 signaling.

(e) LT-1 Clear Channel Capability

An arrangement which allows a customer to transport 1.536 Mbps of information on a 1.544 Mbps LT-1 Direct Transport facility with no constraint on the sequence or quantity of one and zero bits.

LT-1 Clear Channel Capability is a required option for LT-1 Direct Transport when 64 CCC channels are multiplexed onto the LT-1 Direct Transport service.

Where appropriate facilities are not immediately available, negotiated order intervals may apply. The technical specifications for this feature are described in Technical Reference TR-INS-000054.

(4) Chargeable Optional Features**(a) Operator Transfer Service (OTS)**

Operator Transfer Service is an originating service that provides call routing of calls requiring operator assistance to a participating customer as requested by the calling end user. OTS customers are requested to represent their business by answering transferred calls in the business name in which they have subscribed to Operator Transfer Service. OTS customers may answer transferred calls with abbreviated or comparable names that do not misrepresent their business or cause end user confusion.

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(This page filed under Transmittal No. 1239)

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(A) Switched Transport (Cont'd)****(4) Chargeable Optional Features (Cont'd)****(a) Operator Transfer Service (OTS) (Cont'd)**

If the end user has no specific customer preference, the Telephone Company operator will offer to connect the end user to the presubscribed interexchange carrier (PIC) serving the originating line. The operator will verify service participation, obtain end user acceptance and then transfer the call.

If the calling end user does not accept transfer to the PIC of the originating line or if the PIC of the originating line does not participate in Operator Transfer Service, the Telephone Company operator will offer the end user names from a monthly randomly generated list of Operator Transfer Service customers. Subject to end user complaints OTS customers answering transferred calls with a business name that misrepresents their business or causes end user confusion will not be included on the randomly generated list.

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All rates and charges normally applicable to Feature Group D, i.e., nonrecurring, monthly recurring, and usage sensitive, apply to Operator Transfer Service. The Feature Group D mileage is measured as set forth in 6.7.12. Additionally, a charge as specified in 6.9.1(D)(1) following, is assessed the customer per call transferred.

(b) Inward Assistance Service

Inward Assistance is an option which provides for Operator to Operator assistance to attempt to determine the status of the line or for a general inquiry. The customer's operator may request assistance when a call originates outside of the LATA and the terminating number is within the Telephone Company's service area. The types of Inward Assistance which may be provided are described below. The Telephone Company operator only provides Inward Assistance for InterLATA calls. This option is provided with FGD and is available in all Telephone Company end offices. (This page filed under Transmittal No. 1239)

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(A) Switched Transport (Cont'd)****(4) Chargeable Optional Features (Cont'd)****(b) Inward Assistance Service (Cont'd)**

- Busy Line Verification (BLV) is performed when an InterLATA customer requests assistance from a Telephone Company operator to determine if the called line is in use. The operator will access an existing "verify" trunk group terminating at the end office of the requested number. The Telephone Company operator does not complete the telephone call for the end user initiating the verification request. Only one BLV attempt will be made per customer operator telephone call and a charge applies whether or not a conversation is detected.
- Busy Line Interrupt (BLI) is performed when the Telephone Company operator interrupts a telephone call in progress after Busy Line Verification occurs. The operator will interrupt the busy line and inform the called party that there is a call waiting. The operator will only interrupt the call and will not complete the telephone call of the end user initiating the interrupt request. The operator will make only one BLI attempt per customer operator telephone call and a charge applies whether or not the called party releases the line.
- With Operator Assistance the Telephone Company Operator Services System (OSS) operator provides the customer's operator with general dialing or routing assistance. Inward calls from the customer's operator are routed over the trunks between the customer's premises and the Telephone Company TOPS Access Tandem serving the LATA. The customer will be charged for each Operator Assistance call.
- Verification and interrupt charges will not apply if the requesting operator identifies the call as being to or from an official public emergency agency, and concerns official business involving such agency. An official agency is defined as a government agency which is operated by the federal, state or local government and has the capability and legal authority to provide prompt and direct aid to the public in emergency situations.

(TR836)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(c) Signal Transfer Point Access

Signal Transfer Point (STP) Access provides interconnection to the Ameritech Common Channel Signaling (CCS) network using a Telephone Company or customer provided Dedicated Network Access Link (DNAL) and a dedicated Signal Transfer Point (STP) port. The DNAL, as described in Section 8.3 following, provides the connection from the customer designated premises to the Telephone Company STP.

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The STP provides screening and routing. It uses the American National Standards Institute (ANSI) Signaling System 7 (SS7) protocol as specified in AM-TR-OAT-000069 to interact with Signaling Points (SPs), Service Switching Points (SSPs) and other STPs. The wire centers with STPs are set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4 for Wire Center Information (V&H coordinates).

The Ameritech CCS network is a digital data network carrying signaling information which interfaces with the voice/data network. In order to ensure network availability and reliability, STPs are deployed in geographically dispersed mated pairs. STP Access requires interconnection to port(s) of both STPs of the mated pair.

The Ameritech CCS network uses the SS7 protocol, a protocol developed by the Consultative Committee for International Telephone and Telegraph (CCITT) and the ANSI for signaling functions such as routing, establishing connections, providing billing information, validating calling cards and other services. Agreements may be required for passing optional pieces of the SS7 protocol.

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2000 W. Ameritech Center Drive
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**Effective: August 19, 1996
(Deferred to August 31, 1996)
Def to September 19, 1996
Sus to September 19, 1996**

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(c) Signal Transfer Point Access (Cont'd)

STP Access can be used as a stand-alone service or in conjunction with Telephone Company provided Feature Group D/Terminating Feature Group B service, LIDB Access Service, 800 Carrier-ID-Only, LNP Database Access Queries and/or for the transmission of signaling messages between two customer controlled STP ports, e.g. hubbing arrangement. For InterLATA signaling service, see Section 18, following.

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There are three types of charges that apply for STP Access. They are recurring, usage and nonrecurring charges. Recurring and nonrecurring charges apply for each port that is established on an STP. Usage charges apply for each Initial Address Message (IAM) or Transaction Capabilities Application Part (TCAP) (excluding LIDB Access Service, 800 Access Service TCAP messages and LNP Database Access Query TCAP messages) message that is switched by the local STP and transported to a Telephone Company end office or for each IAM and TCAP message that is switched by the local STP in a hubbing arrangement. The application of usage charges as they relate to Telephone Company provided services or as a stand-alone service is described in Section 6.8.2

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(TR1186)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(c) Signal Transfer Point Access (Cont'd)

Nonrecurring charges apply for the establishment of Originating Point Codes (OPC) and Global Title Address (GTA) Translations. An OPC charge applies for each OPC established, as well as each OPC added or changed subsequent to the establishment of STP Access. The OPC charge applies on a per service basis. A GTA Translation charge applies for each service or application (excluding LIDB Access Service and 800 Carrier-ID-Only Service) that utilizes Transaction Capabilities Application Part (TCAP) messages. A GTA Translation charge also applies for each service (excluding LIDB Access Service and 800 Carrier-ID-Only Service) added or changed subsequent to the initial establishment of STP Access.

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Charges relating to STP Access are set forth in 6.9.1 following.

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(TR982)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(d) Line Information Data Base Access

Line Information Data Base (LIDB) Service is provided by the Telephone Company to its customers in support of alternate billing services. Alternate billing services allow the customer's end users to bill calls to an account not necessarily associated with the originating line. LIDB Service supports alternate billing services such as Calling Card, Collect, and Third Number Billing.

LIDB will contain a record for every working line number and Billed Number Group served by the Telephone Company. LIDB also contains Billed Number Screening (BNS) code restrictions for all working line numbers and Billed Number Groups. Other exchange carriers who may store their data in LIDB are requested to provide this data as well. (D)

The LIDB downtime will be less than twelve hours per year. It is capable of processing up to 100 queries per second. In addition, the LIDB will provide a mean response time of no more than 0.25 to 0.5 seconds and shall not exceed 1.0 second for 99 percent of all messages. (D)

The Telephone Company will use the data base administration system to update the LIDB information, e.g., add, delete, and modify customer accounts as customers move, become delinquent on their accounts, or order new service, on a daily basis. (D)

Aggregators or other end users may contact their Telephone Company Business Office to confirm screening service(s) applied to their account.

To ensure the most accurate validation service possible, two audit procedures will be done. The first audit is performed seven nights a week to compare the data contained in the data base administration system and LIDB data. Any differences between these data are resolved the next business day. The second audit, which occurs at least yearly, compares the customer record files and the information contained in the data base administration system.

(This page filed under Transmittal No. 1264)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(d) Line Information Data Base Access (Cont'd)

T

The Telephone Company employs fraud control measures including thresholds based on the number of queries received concerning a calling card number by the LIDB over a specified period of time. One threshold triggers an investigation involving a customer contact. Another higher threshold causes the automatic deactivation of the calling card by the LIDB and sends a service denial due to threshold exceeded message to the originating Operator Service System. The Telephone Company has procedures in place to deactivate reported lost or stolen calling cards immediately. The Telephone Company will accept and investigate customer's suspected fraud referrals. It will deactivate the calling card or billing number when it is appropriate. Database entries for Calling cards identified or suspected of being fraudulently used will be updated seven days a week, twenty four hours a day.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(d) Line Information Data Base Access (Cont'd)

Customers must purchase Signal Transfer Point Access Service as (D)
described in (b) preceding in LATA 358 (Chicago, Illinois) for LIDB (D)
Service. LIDB Service provides the customer's OSS (identified in the
CCS network by an originating point code) access to billing validation
data. The LIDB will receive and respond to Calling Card service and (D)
Billed Number Screening queries as defined in Bellcore publication TR- (D)
TSV-000954 and TR-NWT-001149.

LIDB Service enables the following functions on an on-line, call-by-call
basis:

1. Validate a Local Exchange Company telecommunications calling card stored in the LIDB.
2. Determine whether the billed line automatically rejects, accepts or requires verification of certain calls billed as collect or third number.
3. Determine whether the billed line is a Local Exchange Company public or nonworking telephone number.
4. Determine whether the central office code is active or vacant.

(This page filed under Transmittal No. 1264)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(d) Line Information Data Base Access (Cont'd)

Unless expressly authorized by the customer and the Telephone Company, LIDB Access is not to be used for purposes other than those LIDB functions described herein. In addition, data obtained via LIDB may not be stored elsewhere by the customer for future use.

An Administrative charge applies for each LIDB Service Access Order and an Originating Point Code (OPC) charge, as set forth in 6.9.1, applies for each OPC established. An OPC charge also applies for each OPC added or changed subsequent to the establishment of STP Port Access. Two charges apply for each LIDB Service query, a LIDB Transport charge and a LIDB Validation charge. The LIDB specific charges are set forth in 6.9.1(D).

Z

Certain material previously on this page now appears on 1st Revised Page 132.9.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

Certain material previously on this page now appears on Original Page 132.9.1.

(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

Certain material previously on this page now appears on Original Page 132.9.2.

(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

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(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

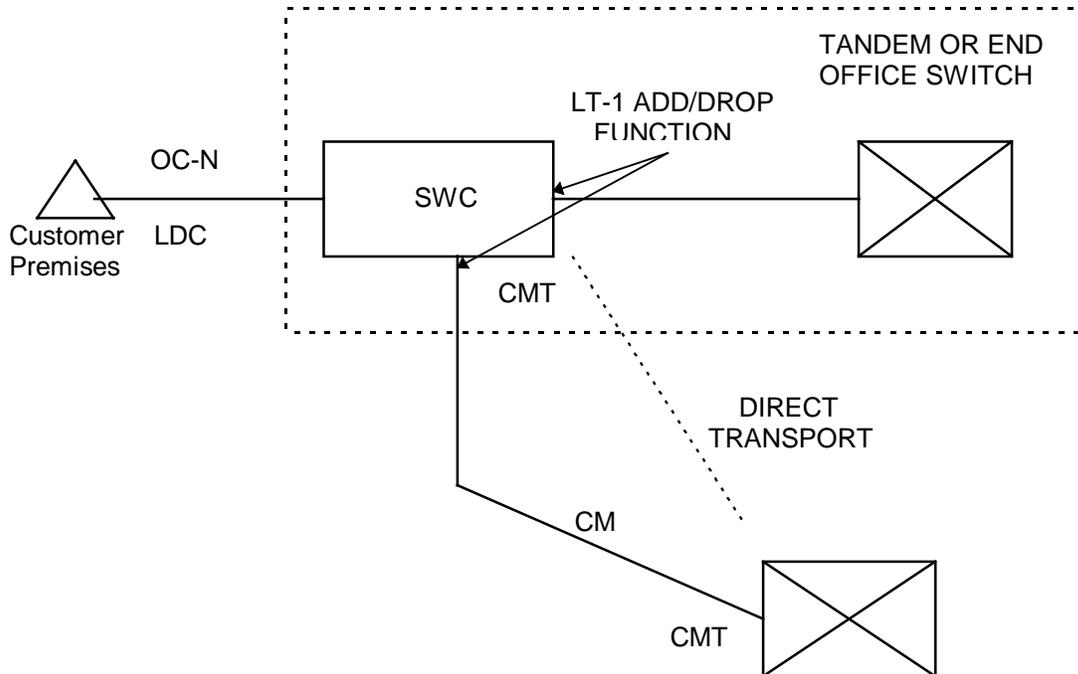
(e) Switched Transport on Optical Carrier Network (OCN) Point-to-Point Service

(T)
(T)

This service option allows LT-1/VT1.5 and LT-3/STS1 switched transport over special access OCN Point-to-Point Service. (See Section 7.2.10 following.) Utilizing this arrangement, the traditional entrance facility, CM and CMT rates are replaced with the appropriate OC-3, OC-12, OC-48 or OC-192 special access service rate elements. All other appropriate switched access charges apply. If the LT-1 or LT-3 termination is not in the same wire center as the OC-3, OC-12, OC-48 or OC-192 termination, traditional LT-1 or LT-3 Channel Mileage, Channel Mileage Termination and Multiplexer charges will apply.

(T)
(N)
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The following is an example of LT-1 Add/Drop Function



(This page filed under Transmittal No. 1285)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

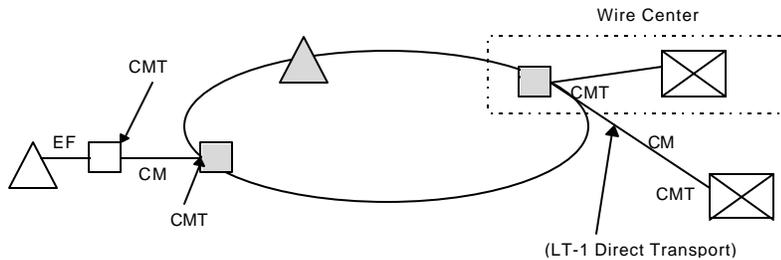
(A) Switched Transport (Cont'd)

(4) Chargeable Optional Features (Cont'd)

(f) Switched Transport on OC-3, OC-12 and OC-48 Dedicated Ring Service (T)

This service option allows LT-1/VT1.5 and LT-3/STS1 switched transport over special access OC-3, OC-12 or OC-48 Dedicated Ring Service. (See Section 7.2.11 following.) When the customer location is on the special access dedicated ring, the traditional Entrance Facility (EF), Multiplexer, Direct Transport (Channel Mileage (CM) and Channel Mileage Termination (CMT)) charges are replaced with the appropriate OC-N rate elements, such as Nodes, Ports and Mileage. When the customer location is not on the dedicated ring, the traditional Switched Access rate elements apply, as needed, between the customer location and the wire center node location. Additionally, an LT-1/LT-3 port charge applies. This charge allows access to and from the OC-3, OC-12 or OC-48 dedicated ring. LT-1/LT-3 CM, CMT and Multiplexer charges may apply when terminating at the switch location. All other appropriate switched access charges apply. (T)

The following is an example of the Dedicated Ring rate elements with LT-1



- SWC = Serving Wire Center
- = Wire Center Node - LT-1 Port
- ⊠ = Tandem or End Office Switch
- ▲ = Customer Premises Node - LT-1 Port
- △ = Customer Premises

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

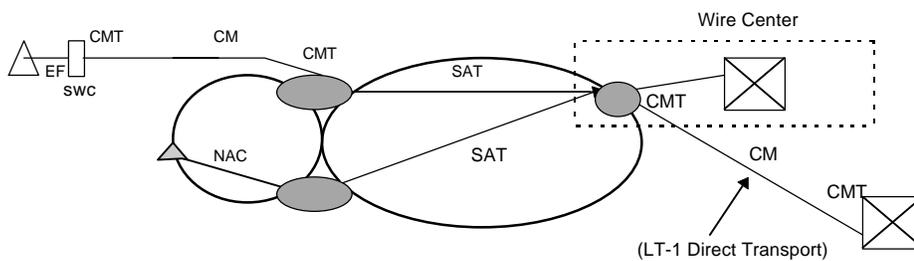
(4) Chargeable Optional Features (Cont'd)

(g) Switched Transport on SONET Xpress Service

T

This service option allows LT-1/VT1.5 and LT-3/STS1 switched transport over a special access SONET Xpress Service (shared rings). (See Section 7.2.12 following.) When the customer premises is located on the SONET Xpress (shared rings), the traditional Entrance Facility (EF) and Direct Transport (Channel Mileage (CM) and Channel Mileage Termination (CMT)) are replaced with an LT-1/LT-3 Network Access Connection (NAC), LT-1/LT-3 Service Area Transport (SAT) and LT-1/LT-3 Off-Network Access Connection (ONAC) to the tandem or end office switch. When the customer premises is not on the SONET Xpress Service (shared rings), the customer is charged the appropriate Entrance Facility rate and, if appropriate, Direct Transport from the customer premises to the LT-1/LT-3 ONAC wire center on the SONET Xpress network, Service Area Transport and LT-1/LT-3 ONAC to the tandem or end office. When the tandem or end office is not co-located with the SONET Xpress Service (shared rings), the customer is charged the appropriate direct transport rates from the ONAC wire center to the tandem or end office.

The following is an example of the SONET Xpress rate elements with LT-1



- NAC = LT-1 Network Access Connection
- SAT = LT-1/VT1.5 Service Area Transport
- SWC = Serving Wire Center
- = ONAC (LT-1 Off-Network Access Connection (at a SONET Xpress wire center))
- △ = Customer Premises - NAC
- △ = Customer Premises
- ⊠ = Tandem or End Office Switch

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(5) Residual Charge

The Residual Charge rate element is applied to all interstate customers that interconnect with the Switched Access network pursuant to the Commission's Report and Order and Further Notice of Proposed Rulemaking in CC Docket No. 91-213, released October 16, 1992. The rate application for the Residual Charge is set forth in Section 6.8.2(D) and the rate is set forth in Section 6.9.1.

A credit applies to the extent that a customer has been billed the Residual Charge and the switched access transport is being provided in its entirety by a competitive access provider. The amount of the credit will not exceed the amount of the Residual Charge assessed. The application of this Competitive Access Provider (CAP) Transport Residual Credit is described in 6.8.2(D)(7) and the rate is set forth in Section 6.9.1.

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(6) Dedicated Tandem Trunk Ports

A Dedicated Tandem Trunk Port is provided for all facilities terminated on the serving wire center side of the access tandem when the customer has requested tandem routing. The Dedicated Tandem Trunk Port rate is assessed monthly on a per LT-1 basis.

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(7) Switched Transport Multiplexing

Switched Transport multiplexing enables the customer to connect facilities operating at different transmission speeds, to combine or separate channels from one facility in order to terminate at multiple locations, to change a facility's transmission speed to enable connection with a switch and/or to combine Switched and Special access services on a single facility. It is available at Telephone Company serving wire centers, hubbing locations (including tandems) as defined in Section 2.6, tandem locations and end offices. When ordering multiplexing at a hub, the customer will specify the hub selected from the National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4.

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Certain material on this page previously appeared on 5th Revised Page 132.4.

(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Switched Transport Multiplexing (Cont'd)

(a) Dedicated Multiplexing

The following chart shows for each Entrance Facility interface group, where multiplexers are required and charged for, depending on the type of Direct Transport Service with which they are connected and the location of the terminating points of each service.

Entrance Facility	Interface Group	Direct Transport Connecting Facility	Location or Terminating Points of the DT Service		
			SWC	HUB	TNDM/EO
SONET based service	12	LT-3 DT	-	X	X
	LT-1 DT	X	X	-	
	LT-1 CFA	X	-	-	
LT-3	9, 11	LT-3 DT	-	X	X
	LT-1 DT	X	X	-	
	LT-1 CFA	X	-	-	
LT-1	6	LT-3 DT	X (DT)	X (DT)	X (DT)
	LT-1 DT	-	X	-	
	LT-1 CFA	X (OPT)	-	-	
	VG DT	X	-	-	
VG	1, 2				
	VG DT	-	-	-	

- DT - Direct Transport
- CFA - Direct Transport, Telephone Company provides Connecting Facility Assignment control
- (DT) - Mux is associated with the higher speed Direct-Trunked Transport Service
- (OPT) - Mux is optional

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Switched Transport Multiplexing (Cont'd)

(a) Dedicated Multiplexing (Cont'd)

When the customer orders Direct Transport to a serving wire center or hub, it is the customer's responsibility to assure that the Direct Transport and Entrance Facilities connected at the SWC are compatible or that the Direct Transport Services connected at the hub are compatible.

Switched Transport dedicated LT-3 to LT-1 multiplexing is required at Telephone Company end offices or tandem locations when the customer orders an LT-3 Direct Transport Service to the end office or tandem.

From January 1, 1998 through July 1, 1998, Switched Transport Dedicated LT-3 to LT-1 multiplexing is required at Telephone Company tandem locations when the customer orders DS3 trunking capacity as Tandem Switched Transport from their serving wire center to the tandem.

LT-1 to Voice Grade Switched Transport Multiplexing is required at dial tone offices for FGA Switched Access Services.

The available multiplexing arrangements are listed below. For each type of arrangement listed, the multiplexer is associated with the higher capacity Switched Transport Services (e.g., a LT-3 to LT-1 multiplexing arrangement is associated with the service using the LT-3 connection).

When Direct Transport Services are ordered, the customer must specify the channel assignment for each lower speed Direct Transport Service and/or Switched Access Service provided over the Direct Transport Service. This is not required when the customer has requested the Telephone Company to maintain CFA control on its LT-1 Direct Transport Services.

The rates and charges for Dedicated Multiplexing arrangements are set forth in Section 6.9.1(D).

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Certain material on this page previously appeared on 3rd Revised Page 132.6.

(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Switched Transport Multiplexing (Cont'd)

T

(a) Dedicated Multiplexing (Cont'd)

T

(1) LT-3 to LT-1 Switched Transport Multiplexing

M

An arrangement that converts a Switched Transport LT-3 channel operating at a terminating speed of 44.736 Mbps to 28 Switched Transport LT-1 channels operating at a terminating speed of 1.544 Mbps using digital time compression multiplexing.

(2) LT-1 to Voice Grade Switched Transport Multiplexing

An arrangement that converts a Switched Transport LT-1 channel operating at a terminating speed of 1.544 Mbps to 24 Switched Transport Voice Grade channels operating at 300 to 3000 Hz.

M

(b) Common Multiplexing

N

Common Multiplexing is provided on a usage sensitive basis in conjunction with Tandem-Switched Transport. Switched access facilities are connected to the tandem as DS1 circuits. Multiplexing is required to convert common switched facilities from an operating speed of 44.736 Mbps to an operating speed of 1.544 Mbps.

N

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office

The End Office rate category provides the local end office switching 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 (i.e., Directory Assistance) rate elements. In addition, certain end office optional features are provided at charges set forth in 6.9.2(A)(1). For FGD Switched Access Service, an Equal Access Recovery Charge applies as set forth in (2) following. Directory Assistance Service and the applicable rates for it are set forth in Section 9 following.

(1) Local Switching

The Local Switching rate element provides for (1) local end office switching, i.e., the common switching functions associated with the various Switched Access Service arrangements

and (2) intercept functions, i.e., the termination of certain calls at a Telephone Company intercept operator or recording.

It is divided into two distinct categories: LS1 and LS2. The first category, LS1, provides local switching for Feature Groups A and B except when used in conjunction with Dedicated Access Line Service for terminating traffic at end offices equipped for equal access. The second category, LS2, provides local switching for Feature Groups C and D, 800 Access Service, 900 Access Service, and for Feature Groups A and B when used in conjunction with Dedicated Access Line Service for terminating traffic at end offices equipped for equal access.

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(TR1206)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard FGC or FGD equipped end office.

Rates for LS1 and LS2 are set forth in 6.9.2(A) following. The application of these rates with respect to the different types of service is as set forth in 6.8.2(D) following.

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Various Common Switching, Transport Termination and Dedicated Access Line Termination optional features are available and are described in 6.3.1 through 6.3.3 following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

D

D

(TR1135)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(2) Common Trunk Port

The Common Trunk Port used by multiple customers provides for the termination of common transport trunks in common end office trunk ports in conjunction with tandem routed traffic. The Common Trunk Port rate is assessed on a usage sensitive basis on tandem routed switched access.

(D)

(3) Dedicated Trunk Port

(D)

The Dedicated Trunk Port provides for termination of direct facilities used by a single customer in an end office trunk port where traffic is transported between the serving wire center or the hub, and the end office. This rate is assessed for all Feature Group services on a per LT-1 basis. Each Voice Grade trunk that terminates in an end office port is assessed 1/24th of the LT-1 rate.

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(T)
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(C) Data Base Services

Data Base Services are those services provided using components of the Telephone Company Common Channel Signaling, Signaling System 7 (CCS/SS7) network. Data Base Services can use application software in processing a CCS/SS7 call. Data Base Services can also be used to request and respond to call processing instructions.

The Data Base Services rate category includes 800 Service, as described in 6.4.1.

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Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.1 General (Cont'd)****6.1.3 Rate Categories (Cont'd)****(D) Telecommunications Relay Services Provider Transport (TRS-PT)**

The following rate elements will apply for TRS Provider Transport (TRS-PT) service, as described in Section 6.5. TRS-PT provides transport between the TRS Provider's point of termination and the TRS Access Tandem.

(1) TRS Local Distribution Channel

The TRS Local Distribution Channel (LDC) rate element provides for a transmission path between the TRS Provider's premises and the serving wire center of that premises. Included as part of the TRS Local Distribution Channel is a standard network interface which defines the technical characteristics associated with the type of facilities to which the Switched Access Service is to be connected at the point of termination. One TRS Local Distribution Channel charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are co-located in a Telephone Company building.

(2) TRS Channel Mileage Termination

The TRS Channel Mileage Termination rate element provides for the termination of the interoffice facility between the serving wire center of the TRS provider and the TRS Access Tandem. One TRS Channel Mileage Termination charge applies per end of the Channel Mileage that terminates in the Telephone Company's serving area. The TRS Channel Mileage Termination charge does not apply to TRS-PT circuits if the TRS provider's serving wire center is the same central office as the TRS Access Tandem.

(3) TRS Channel Mileage

The TRS Channel Mileage rate element provides for the interoffice transmission facilities between the serving wire center of the TRS provider and the TRS Access Tandem. The TRS Channel Mileage charge applies per mile of interoffice transport, calculated as described in Section 6.8.12(I) following.

(4) Optional Features and Functions

There are no optional features and functions available with TRS Provider Transport.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.4 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing are set forth in 11. following.

6.1.5 Design Layout Report

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

6.1.6 Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, at the time of installation of Feature Group D with the 64 Clear Channel Capability Switched Transport option trunks, perform the Digital Trunk Acceptance Tests described in AM-TR-TMO-000094.

For other Switched Access Services, including Telecommunications Relay Services Provider Transport, 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 Switched Transport is provided with an Interface Group 2, 6, 9 and 11, and the Transport Termination is two-wire (i.e, there is a four-wire to two-wire conversion in Switched Transport), balance parameters (equal level echo path loss) may also be tested.

For Voice Grade, LT-1 and LT-3 Entrance Facilities, Direct Transport Services and Direct-Trunked Directory Transport Services, the Telephone Company will perform acceptance tests for the parameters applicable to DS1 Service, DS3 Service and Switched Access Services as specified in Technical References TR-INS-000342 and TR-NWT-000334. (T)

For Telecommunications Relay Services Provider Transport the Telephone Company will perform acceptance tests for the parameters applicable to DS1 Service as specified in Technical References TR-INS-000342 and TR-NWT-000334. (T)

The Telephone Company will perform the tests outlined in TR-TSV-000905, Supplement 1, for STP Access Service. At the customer's request, the Company will consider eliminating some of the suggested tests. The determination of the tests to be performed will be negotiated with the customer prior to interconnection.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.6 Acceptance Testing (Cont'd)

For LIDB Service which is provided in conjunction with STP Access Service, the Telephone Company will perform the tests outlined in TR-TSV-000954.

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6.1.7 Ordering Options and Conditions

There are two ordering options available to the customer in the provision of Switched Access Service. These are:

- Access Order
- Planned Facilities Order

The options are set forth in detail in 5. preceding. Also, included in that section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

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(TR736)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.8 Transmission Specifications

Each Switched Access Service transmission path is provided with standard transmission specifications. There are two different standard specifications (Types A1 and B1). The standard for a particular transmission path is dependent on the Feature Group, the Interface Group and whether the service is routed directly or via an access tandem. The available transmission specifications for Feature Group D with the 64 Clear Channel Capability (64 CCC) option are set forth in TR-TMO-000094 and the transmission specifications for LT-1 Direct Transport with the LT-1 Clear Channel Capability are set forth in TR-INS-000342. The available transmission specifications for other Switched Access Services are set forth in Technical Reference TR-NWT-000334. Data Transmission Parameters are also provided with each Switched Access Service transmission path. The Telephone Company will, upon notification by the customer that the data parameters for Feature Group D with the 64 CCC option set forth in Technical Reference TR-TMO-000094, or the data parameters for LT-1 Direct Transport with the LT-1 Clear Channel Capability option set forth in TR-INS-000342 or for other Switched Access Services set forth in Technical Reference TR-NWT-000334 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.

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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.

Acceptance limits are set forth in Technical Reference TR-NWT-000334. This Technical Reference also provides the basis for determining Switched Access Service maintenance limits.

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.9 Trouble Reporting

(A) Trouble Receipt

The customer's first point of contact (the Telephone Company or the IC) will, upon receipt of the trouble report, be responsible for determining by testing or other means, the source of the customer's trouble. If analyzation or testing indicates the trouble to be in the service provided by a server other than the one taking the report, the holder of the trouble report may refer the trouble report to the appropriate server (the IC or the Telephone Company) or the customer may be referred to the appropriate server.

(B) Sectionalization

The Telephone Company or IC identifying the trouble is responsible to initiate sectionalization to the POT. It is anticipated that the sectionalization could involve cooperative testing and in the interest of maintaining continuity of service, all entities are expected to participate in this activity when requested. This does not include the processing or optional routine test results.

(C) Repair Verification

Repair verification tests, as warranted by the trouble condition found, will be cooperatively performed upon request by the Telephone Company or IC to ensure the service is operational.

6.2 Provision and Description of Switched Access Service Feature Groups

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

Switched Access Services may also be provided in conjunction with Data Base Services as described in 6.4, following.

There are three specific transmission specifications (i.e., Types A1 and B1) that have been identified for the provision of Feature Groups. The specifications provided are dependent on the Interface Group and the routing of the service, i.e., whether the service is routed directly to the end office or via an access tandem. The parameters for the transmission specifications are set forth in Technical Reference TR-NWT-000334.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity and/or Common Switching Optional Features ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

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

6.2.1 Feature Group A (FGA)
 (A) Description

- (1) FGA is provided in connection with Telephone Company electronic and electromechanical end offices. At the option of the customer, FGA is provided on a single or multiple line group basis and is arranged for originating calling only, terminating calling only, or two-way calling.
- (2) FGA provides a line side termination at the first point of switching. 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) The Switched Transport service configuration for originating FGA is composed of Entrance Facilities between the customer's premises and its serving wire center and Direct Transport between the serving wire center and the dial tone office. This service configuration is represented by the originating line side services diagram in Section 6.1.3.
- (4) The Switched Transport service configuration for terminating FGA is composed of Entrance Facilities between the customer's premises and its serving wire center, Direct Transport between the serving wire center and the dial tone office and Tandem-Switched Transport between the dial tone office and the terminating end office. This service configuration is represented by the terminating line side services diagram in Section 6.1.3.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

- (5) When Entrance Facilities are provided between the serving wire center and a customer-provided private network as defined in 2.6, preceding (i.e., provided to a location other than an interexchange carrier's point of presence or to a Telephone Company provided interstate transport capability), the customer shall provide the connecting facility assignment (CFA) information, using the industry standard Common Language Facility Identification. The CFA must include channel assignment information necessary to connect the FGA service to the private network.
- (6) For existing FGA service that is connected to a private network as defined in 2.6 preceding, and installed prior to March 22, 1995, connecting facility assignment information is not required. This information must be provided if any changes or rearrangements are requested for the existing services.
- (7) The Telephone Company shall select the first point of switching, within the selected LATA, at which the line side termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities are available to accommodate such a request.
- (8) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.
- If the customer requests a specific seven digit telephone number that is not currently assigned, and the Telephone Company can, with reasonable effort, comply with that request, the requested number will be assigned to the customer.
- (9) 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.
- (10) 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 inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(A) Description (Cont'd)

(9) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available) time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customer's services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Services, and (3) calls from the FGA line 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. For FGA calls to Directory Assistance (411 and 555-1212, whichever is available), Switched Access Service usage rates will not apply. Instead, FGA calls to this service are subject to the Directory Assistance Service per call rates as set forth in 9.7(A) and 9.7(B) following.

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All FGA lines ordered on or after October 18, 1987 will be provisioned with Call Denial, as described in 6.3.1(D), unless the customer specifically indicates on the access order that Call Denial is not to be provided.

(10) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)****6.2.1 Feature Group A (FGA) (Cont'd)****(B) Optional Features****(1) Common Switching Optional Features**

- (a) Call Denial
- (b) Regular Multiline Hunt Group Arrangement (Multiline Hunt Group)
- (c) Nonhunting Number for Use with Hunt Group Arrangement
or Uniform Call Distribution Arrangement (Multiline Hunt Group -Individual
Access to each port in Hunt Group)
- (d) Service Code Denial
- (e) Uniform Call Distribution Arrangement (Multiline Hunt Group - Uniform
Call Distribution Line Hunting)
- (f) Answer Supervision with Line Side Interface
- (g) Central Office Announcement (Multiline Hunt Group - Central Office
Announcements)
- (h) Make Busy Arrangements (Make Busy Key)
- (i) Multiline Hunt Group Overflow (Multiline Hunt Group -Overflow)
- (j) Queuing (Multiline Hunt Group - Uniform Call Distribution
with Queuing)
- (k) Three Way Call Transfer
- (l) Preferential Hunting (Multiline Hunt Group)
- (m) Circular Multiline Hunt Group Arrangement (Multiline Hunt
Group)
- (n) Call Screening
- (o) Direct Inward Dialing

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(2) Transport Termination Optional Feature

- (a) Originating operation with ground start supervisory signaling
- (b) Originating operation with loop start supervisory signaling
- (c) Terminating operation with dial pulse address signaling and
ground start supervisory signaling
- (d) Terminating operation with dial pulse address signaling and
loop start supervisory signaling

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

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

- (e) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (f) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (g) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (h) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (i) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (j) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.1 Feature Group A (FGA) (Cont'd)

(B) Optional Features (Cont'd)

(3) Switched Transport Optional Features

- (a) Customer Specified Entry Switch Receive Level
- (b) Supervisory Signaling (as set forth in 6.1.3(A)(3)(a) preceding)

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

- (a) Bill Number Screening
- (b) Custom Calling Features
- (c) Directory Listings
- (d) IntraLATA extensions

(C) Transmission Specifications

FGA is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the first point of switching. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6, 9 and 11. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

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(D) Testing Capabilities

FGA is provided, in the terminating direction where equipment is available, with seven digit access to balance (100 type) test line and milliwatt (102 type) test line. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing and Nonscheduled Testing are available for FGA as set forth in 13.3.4 following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 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) The Switched Transport service configuration for direct routed FGB is composed of Entrance Facilities between the customer's premises and its serving wire center and Direct Transport between the serving wire center and the end office. If the FGB service is provided via a hubbing location, then the service configuration between the customer's serving wire center and the hub and between the hub and the end office is composed of Direct Transport. These service configurations are represented by the Direct Transport and Hubbed Direct Transport Service diagrams in Section 6.1.3.
- (3) The Switched Transport service configuration for FGB service that is switched through an access tandem is composed of Entrance Facilities between the customer's premises and its serving wire center, Direct Transport between the serving wire center and the tandem and Tandem-Switched Transport between the tandem and the end office. Until July 1, 1998 the customer may select the alternative service configuration of Tandem-Switched Transport between the serving wire center and the end office. Prior to that date, the customer's transport billing option will be changed only at the customer's request. These service configurations are represented by the Tandem-Switched and Direct Transport Tandem Service diagrams in Section 6.1.3.
- (4) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment.
- (5) FGB switching is provided with multifrequency address signaling in the originating direction and multifrequency or Signaling System Seven (SS7) address signaling in the terminating direction. The SS7 Signaling option requires the customer to purchase Signal Transfer Point Access and Originating Point Code as described in 6.1.3(A)(4)(b). Except for FGB switching provided with the automatic number identification (ANI) or rotary dial station signaling arrangements as set forth in 6.3 following, any other address signaling in the originating direction, if required by the customer, must be provided by the customer's end user using inband tone signaling techniques. Such inband tone address signals will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Local Transport provided.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

- (6) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX for customers. These uniform access codes will be the assigned access numbers of all FGB Switched Access Service provided to the customer by the Telephone Company.
- (7) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL-IT) Network Service. Additionally, non-access charges will also be billed for calls from a FGB trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer.

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

- (8) 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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(A) Description (Cont'd)

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

(B) Optional Features

(1) Common Switching Optional Features

- (a) Alternate Traffic Routing
- (b) Dual Carrier Tandem Routing
- (c) Up to 7 Digit Outpulsing of Access Digits to Customer
- (d) Make Busy Arrangements (Make Busy Key)
- (e) Signaling System Seven Signaling

(2) Transport Termination Optional Features

- (a) Rotary Dial Station Signaling

(3) Dedicated Access Line Termination Optional Features

- (a) Dialed Number Identification Service (DNIS)

(4) Switched Transport Optional Features

- (a) Customer Specification of Switched Transport Termination
- (b) Customer Specified Entry Switch Receive Level
- (c) Supervisory Signaling (as set forth in 6.1.3(A)(3)(a)preceding)

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

- (a) Bill Number Screening
- (b) Directory Listings

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.2 Feature Group B (FGB) (Cont'd)

(C) Transmission Specifications

FGB is provided with Type B1 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. FGB is provided with Interface Groups 2, 6, 9 and 11. Type DB Data Transmission Parameters are provided with FGB to the first point of switching.

(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. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available as set forth in 13.3.4 following. (D)

6.2.3 Feature Group C (FGC)

(A) Description

- (1) FGC is provided at all Telephone Company end office switches on a direct trunk basis, via intermediate hubbing or via Telephone Company designated access tandem switches. FGC switching is provided to the customer (i.e., providers of MTS and WATS) at an end office switch unless Feature Group D end office switching is provided in the same office. When FGD switching is available, FGC switching will not be provided.
- (2) When FGC service is direct routed to an end office, the Switched Transport service configuration is composed of Entrance Facilities between the customer's premises and its serving wire center and Direct Transport between the serving wire center and the end office. If the FGC service is provided via a hubbing location, then the service configuration between the customer's serving wire center and the hub and between the hub and the end office is composed of Direct Transport. These service configurations are represented by the Direct Transport and Hubbed Direct Transport Service diagrams in Section 6.1.3.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(3) When FGC service is switched through an access tandem, the Switched Transport service configuration is composed of Entrance Facilities between the customer's premises and its serving wire center, Direct Transport between the serving wire center and the tandem and Tandem-Switched Transport between the tandem and the end office. Until July 1, 1998, the customer may select the alternative service configuration of Tandem-Switched Transport between the serving wire center and the end office. Prior to that date, the customer's billing option will be changed only at the customer's request. These service configurations are represented by the Tandem-Switched and Direct Transport Tandem Service diagrams in Section 6.1.3.

(4) FGC 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 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, delay dial start-pulsing signals will be provided, unless immediate dial pulse signaling is provided, in which case no start-pulsing signals are provided.

(5) 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 or immediate dial pulse, whichever is available. 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 called party number signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

(6) No access code is required for FGC switching. 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. The form of the numbers dialed by the customer's end user is NXX-XXXX, 0 or 1 + NXX-XXXX, NPA + NXX-XXXX, 0 or 1 + NPA + NXX-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (7) FGC switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information provider, and other customers' services (by dialing the appropriate codes when the service can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes serviced by that office may be accessed. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company exchange service tariffs, e.g., 976 (DIAL IT) Network Services. Additionally, non-access charges will also be billed for calls from a FGC 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 the 950-XXXX access code, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911 or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 555-1212) when FGC switching is combined with Directory Assistance switching. The combination of FGC Switched Access Service with DA Service is provided as set forth in 9 following. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D.
- (8) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGC switching is provided. When required by technical limitations, a separate trunk group will be established for each type of FGC switching arrangement provided. Different types of FGC or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features

(1) Common Switching Optional Features

- (a) Alternate Traffic Routing
- (b) Calling Billing Number Delivery (Automatic Number Identification ANI)(Calling Billing Number Delivery - FGD Protocol)
- (c) Band Advance Arrangement for Use with Dedicated Access Line Service
- (d) Called Directory Number Delivery (Called Directory Number Delivery via 900 NXX)
- (e) Circular Multiline Hunt for Use with Dedicated Access Lines (Multiline Hunt Group)
- (f) Delay Dial Start - Pulsing Signaling
- (g) Dial Pulse Address Signaling
- (h) End Office End User Line Service Screening for use with Dedicated Access Line Service
- (i) Immediate Dial Pulse Address Signaling
- (j) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with Dedicated Access Line Service (Multiline Hunt Group - Individual Access to each port in Hunt Group)
- (k) Preferential Multiline Hunt Group Arrangement for Use with Dedicated Access Line Service (Multiline Hunt Group)
- (l) Regular Multiline Hunt Group Arrangement for Use with Dedicated Access Line Service (Multiline Hunt Group)
- (m) Service Class Routing
- (n) Trunk Access Limitation*
- (o) Uniform Call Distribution Arrangement for Use with Dedicated Access Lines (Multiline Hunt Group - Uniform Call Distribution Line Hunting)
- (p) Dual Carrier Tandem Routing

* Available only as a Grandfathered Optional feature as of July 5, 1987 per Section 15 following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

(2) Transport Termination Optional Features

- (a) Operator Trunks - i.e., Coin, Non-Coin and Combined Coin and Non-Coin.**
(Non-Coin Trunks are provided at Telephone Company electronic and electromechanical end offices. Coin and Combined Coin and Non-Coin are provided only at Telephone Company electronic end offices and other Telephone Company end offices where equipment is available.)

(3) Dedicated Access Line Termination Optional Features

- (a) Dialed Number Identification Service (DNIS)**

(4) Switched Transport Optional Features

- (a) Supervisory Signaling (as set forth in 6.1.3(A)(3)(a) preceding)**

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(C) Transmission Specifications

FGC is provided with Type B1 Transmission Specifications.

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

Type B1 is provided with Interface Groups 2, 6,9 and 11 whether routed directly to an end office, to an access tandem, or hub.

Type DB1 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.

(D) 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, 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. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Cooperative Scheduled Testing or Manual Scheduled Testing, and Nonscheduled Testing are available as set forth in 13.3.4 following for FGC.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.4 Feature Group D (FGD)

(A) Description

- (1) FGD is provided at Telephone Company designated electronic end office switches whether routed directly or via Telephone Company designated electronic access tandem switches.
- (2) When FGD service is direct routed to an end office, the Switched Transport service configuration is composed of Entrance Facilities between the customer's premises and its serving wire center and Direct Transport between the serving wire center and the end office. If the FGD service is provided via a hubbing location, then the service configuration between the customer's serving wire center and the hub and between the hub and the end office is composed of Direct Transport. These service configurations are represented by the Direct Transport and Hubbed Direct Transport Service diagrams in Section 6.1.3.
- (3) When FGD service is switched through an access tandem, the Switched Transport service configuration is composed of Entrance Facilities between the customer's premises and its serving wire center, Direct Transport between the serving wire center and the tandem and Tandem-Switched Transport between the tandem and the end office. Until July 1, 1998, the customer may select the alternative service configuration of Tandem-Switched Transport between the serving wire center and the end office. Prior to that date, the customer's billing option will be changed only at the customer's request. These service configurations are represented by the Tandem-Switched and Direct Transport Tandem Service diagrams in Section 6.1.3.
- (4) 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 for MF signaling; when the SS7 signaling option is chosen, there is no inband signaling.
- (5) FGD switching is provided with multifrequency or Signaling System Seven (SS7) address signaling. 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 Switched Transport provided.

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x Issued under authority of Special Permission No. 98-13.

y Material effective January 1, 1998 under Transmittal No. 1135.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(5) (Cont'd)

With SS7 signaling, up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's designated premises via a Signal Transfer Point Access circuit. The SS7 signaling option requires the customer to purchase Signal Transfer Point Access and Originating Point Codes described in 6.1.3 preceding and the Signal Formulation or Basic Initial Address Message Delivery Option described in 6.3.1 following.

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

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

C

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(7) 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. FGD with Optional Tandem Signaling requires separate one-way originating and/or one-way terminating trunk groups. Different types of FGD excluding Optional Tandem Signaling or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(8) The access code for FGD switching is a uniform access code of the form 101XXXX (where end office switches are suitably equipped). These uniform access codes will be the assigned access number of all FGD access provided to the customer by the Telephone Company. In addition, when the customer elects the FGD with 950 Access optional feature described in 6.3.1(T) following, FGD calls may also be originated using the customer's 950-XXXX access code. C

When FGD is provided in conjunction with Alternate Card Access service, calls will be originated using the Telephone Company's Alternate Card Access toll free number and the customer's access code which will be of the form XXXX. The customer's access code will be requested from the calling end user after they have dialed the Alternate Card Access toll free number the first time the card is used for an interLATA call. C

No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer, as set forth in 4.2 preceding.

When an originating only trunk is restricted from being presubscribed, thus making an access code required, the EARC described in Section 6.1.3(B)(2) will not apply. The restricted trunk must be in a separate trunk group from the nonrestricted trunks.

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-XXXX, and, when the end office is equipped for International Direct Distance Dialing (IDDD), 01 + CC + NN or 011 + CC + NN.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(8) (Cont'd)

When the 101XXXX 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 at the customer's option, the end-of-dialing digit (#) for cut-through access to the customer's premises.

C

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (9) When the 101XXXX code is used for 1+ traffic from a Telephone Company pay telephone, if the dialed access code is the access code of the IC selected to carry the 0+ and/or 1+ traffic, as described in 4.2(B)(4) preceding, traffic will be routed in the same manner as 1+ traffic. If the dialed access code is that of another IC (casual 1+ carrier), the casual 1+ carrier may elect to have calls routed to its premises as sent-paid coin traffic. If the casual 1+ carrier elects to route the 101XXXX-1+ coin traffic, the IC must order trunks with the Operator Trunk - Full Feature type of transport termination, as set forth in 6.3.2(B). The IC must also be prepared to receive 101XXXX-0+ traffic. The IC may also elect to have 101XXXX-1+ and 101XXXX-0+ traffic routed to a recorded message. C
- (10) FGD switching will be arranged to accept calls from telephone exchange service locations without the need for dialing the 101XXXX uniform access code unless the trunk has been restricted from such access. Each telephone exchange service line may be marked with a presubscription code to identify which 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in 4.2 preceding. C

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (11) When FGD is provided with Public Switched Digital Service, the standard dialing pattern as described in paragraph 6.2.4(A)(6) may be used or, where technical limitations so require, the dialing pattern may be modified as follows. In the originating direction, end users at suitably equipped end user premises may activate the capability in the end office by #56 + 101XXXX + 10 digits, or #56 + 1 + 10 digits when presubscribed to a participating Interexchange Carrier. Customers will be notified of the dialing pattern to be used when service is ordered. C
- (12) 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, for a period of 90 days, direct calls dialed by the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle both the FGB and FGD signaling on the same trunks. Such calls will be rated as FGD.
- (13) At the option of the customer, Operator Transfer Service as described in 6.1.3(A)(4)(a) preceding, is available for use with Feature Group D. Operator Transfer Service is ordered as set forth in 5.2 preceding and is provided to the customer via FGD trunks.
- (14) When FGD service is provided for use with a Telecommunications Relay Services Provider Transport facility, as described in Section 6.5, calls will be delivered to any TRS subscriber's carrier of choice that is served by the TRS Access Tandem.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features

(1) Common Switching Optional Features

- | | | |
|-----|--|---|
| (a) | Alternate Traffic Routing | |
| (b) | Calling Billing Number Delivery (Automatic Number Identification ANI)
(Calling Billing Number Delivery - FGD Protocol) | |
| (c) | Band Advance Arrangement for Use with Dedicated Access Line Service | |
| (d) | Call Gapping Arrangement* | |
| (e) | Cut-Through | |
| (f) | End Office End User Line Service Screening for use with Dedicated Access Line Service | |
| (g) | Regular Multiline Hunt Group Arrangement for Use with Dedicated Access Line Service (Multiline Hunt Group) | |
| (h) | International Carrier Option | |
| (i) | Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution (Multiline Hunt Group - Individual Access to each port in Hunt Group) | |
| (j) | Service Class Routing | |
| (k) | Trunk Access Limitation** | |
| (l) | Uniform Call Distribution Arrangement for Use with Dedicated Access Line Service (Multiline Hunt Group - Uniform Call Distribution Line Hunting) | |
| (m) | Feature Group D with 950 Access | |
| (n) | Public Switched Digital Service Switching Capability | |
| (o) | Signaling System Seven (SS7) Signaling | T |
| (p) | Signal Formulation# | N |
| (q) | Basic Initial Address Message Delivery## | T |
| (r) | SS7 Optional Parameters | T |
| | a. Carrier Identification Parameter | |
| (s) | Dual Carrier Tandem Routing | T |

* Provided only in the Ohio Operating Company and in Ohio only as a Grandfathered Optional Feature as of October 1, 1985, per 15.4 following.

** Provided only as a Grandfathered Optional feature as of July 5, 1997, per Section 15.

For Bundled Local Switching.

For Unbundled Local Switching.

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Effective: August 19, 1996

ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

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

- (t) Make Busy Arrangement (Make Busy Key)
- (u) Circular Multiline Hunt Group Arrangements for Use with Dedicated Access Line Service (Multiline Hunt Group)
- (v) Preferential Hunt Group Arrangements for Use with Dedicated Access Line Service (Multiline Hunt Group)
- (w) Called Directory Number Delivery
- (x) Flexible Automatic Number Identification (Flexible ANI Information Digits)

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement
- (b) Tandem Signaling

(3) Dedicated Access Line Termination Optional Features

- (a) Dialed Number Identification Service (DNIS)

(4) Switched Transport Optional Features

- (a) Switched Transport Nonchargeable Optional Features
 - (1) Supervisory Signaling (as set forth in 6.1.3(A)(3)(a) preceding).
 - (2) 64 Clear Channel Capability
 - (3) LT-1 Clear Channel Capability
- (b) Switched Transport Chargeable Optional Features
 - (1) OTS
 - (2) Inward Assistance
 - (3) STP Access
 - (4) LIDB
 - (5) Multiplexing

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

- (a) Directory Listings

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.2 Provision and Description of Switched Access Service Feature Groups (Cont'd)****6.2.4 Feature Group D (FGD) (Cont'd)****(C) Transmission Specifications**

FGD is provided with either Type A1 or Type B1.

- When routed directly to the end office Type B1 is provided.
- When routed to an access tandem Type A1 is provided.
- Type A is provided on the transmission path from the access tandem to the end office.

Type A1 and Type B1 Transmission Specifications are provided with Interface Groups 1, 2, 6, 9, 10 and 11.

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.

Feature Group D trunks equipped for Operator Transfer Service are subject to Feature Group D transmission specifications unless otherwise specified.

(D) 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. In addition to the tests described in 6.1.6 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Cooperative Scheduled Testing, Manual Scheduled Testing, and Nonscheduled Testing, are available for FGD as set forth in 13.3.4 following.

(D)

(This page filed under Transmittal No. 1244)

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One Bell Plaza, Dallas, Texas 75202

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features**

Following are descriptions of the various optional features that are available in lieu of, or in addition to, the standard features provided with the Feature Groups.

6.3.1 Common Switching Optional Features**(A) Alternate Traffic Routing****(1) End Office Alternate Routing When Ordered in Trunks**

This option provides an alternate routing arrangement for customers who order in trunks and have access for a particular Feature Group to an end office via two routes: one route via an access tandem and one direct route. The feature allows the customers originating traffic from the end office to be offered first to the direct trunk group and then overflow to the access tandem group. It is provided in suitably equipped end offices and is available with Feature Groups B and D.

(2) Multiple Customer Premises Alternate Routing

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

(3) Dual Carrier Tandem Routing

This option provides an alternate routing arrangement that allows originating tandem routed traffic to be routed to the customer premises of another "host" carrier. The host carrier must provide a letter of authorization for the subtending carrier to use such a shared arrangement. This alternate routing can be accomplished using either Multiple Customer Premises Alternate Routing, described in (2) above, or Service Class Routing, described in 6.3.1(N), following.

If the host carrier's serving wire center is different from the subtending carrier's serving wire center, both carriers must order Tandem Switched Transport between the end office(s) and the access tandem and Direct Transport from the tandem to both serving wire centers.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(B) Calling Billing Number Delivery (Automatic Number Identification ANI)

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

The seven digit ANI telephone number is available with Feature Group C. With this Feature Group, technical limitations may exist in Telephone Company switching facilities which require ANI to be provided only via Direct Transport Services. ANI will be transmitted on all calls except those originating from multiparty lines and coin stations, or when an ANI failure has occurred.

The ten digit ANI telephone number is only available with Feature Group D. The ten digit ANI telephone number consists of the Numbering Plan Area (NPA) plus the seven digit ANI telephone number. The ten digit ANI telephone number will be transmitted on all calls except those identified as multiparty line or ANI failure, in which case only the NPA will be transmitted (in addition to the information digit described below).

At the request of a customer, a Telephone Company Business Office will confirm Originating Line Screening codes associated with an Exchange service line from which the call originates.

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x Issued under authority of Special Permission No. 97-17.

y Reissued material effective January 16, 1997, under Transmittal No. 1033.

* The SS7 protocol ANI equivalent is the Charge Number. The Charge Number is contained in the Basic Initial Address Message Delivery common switching optional feature.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(B) Calling Billing Number Delivery (Automatic Number Identification ANI) (Cont'd)C
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With Feature Group C, ANI is provided from end offices at which Telephone Company recording for end user billing is not provided, or where it is not required, as with 800 service. It is not provided from end offices for which the Telephone Company needs to forward ANI to its recording equipment.

Where ANI cannot be provided, e.g., on calls from four and eight party services, information digits* will be provided to the customer. The information digits identify: (1) telephone number is the station billing number - no special treatment required, (2) multiparty line - telephone number is a four-party line and/or eight-party line and cannot be identified - number must be obtained via an operator or in some other manner, (3) ANI failure has occurred in the end office switch which prevents identification of calling telephone number - must be obtained by operator or in some other manner, (4) hotel/motel originated call which requires room number identification, (5) coinless station, hospital, inmate, etc. call which requires special screening or handling by the customer, and (6) call is an Automatic Identified Outward Dialed (AIOD) call from customer premises equipment. The ANI telephone number is the listed telephone number of the customer and is not the telephone number of the calling party.

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

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(C) Band Advance Arrangement for Use with Dedicated Access Line Service**

This option, which is provided in association with two or more Dedicated Access Line Service groups, provides for the automatic overflow of terminating calls to a Dedicated Access Line Service group, when that group has exceeded its call capacity, to another Dedicated Access Line Service group with a band designation equal to or greater than that of the overflowing Dedicated Access Line Service group. This arrangement does not provide for call overflow from a group with a higher band designation to one with a lower one. This option is available with Feature Groups C and D.

(D) Call Denial on Line or Hunt Group

This option allows for the screening of terminating calls and for the completion of calls only to valid NXXs within the LATA of the FGA dial tone office, 555-1212, 411, 611 and 911. Calls to NPAs and NXXs outside of the LATA, 0-, 0+, 00, 950, 976, 700, toll free, 900 and 101XXXX will be routed to a reorder tone or recorded announcement. This feature is provided in all suitably equipped Telephone Company electronic end offices and, where available, in electromechanical end offices. It is available with Feature Group A. C

This option will be provided on all new FGA lines ordered on or after October 18, 1987, unless specifically indicated on the access order that it is not desired.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(E) 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 offices and is available only with Feature Group D.

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* Provided only in the Ohio Operating Company and in Ohio only as a Grandfathered Optional Feature as of October 1, 1985 per 15.4 following.

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(F) Cut-Through**

This option allows end users of the customer to reach the customer's premises by using the end of dialing digit (#). This option provides for connection of the call to the premises of the customer indicated by the 101XXXX code upon receipt of the end of dialing digit (#). The Telephone Company will not record any other dialed digits for these calls. This option is available with Feature Group D where facilities permit.

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(G) Delay Dial Start-Pulsing Signaling

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.

(H) Dial Pulse Address Signaling

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(I) End Office End User Line Service Screening for Use with Dedicated Access Line Service

This option provides the ability, in conjunction with WATS service, to verify that an end user has dialed a called party address which is within the preexisting geographic bands selected by the customer. The called party address is verified by screening the dialed NPA and/or NXX. This option also provides for calls with access codes 101XXXX and 950 and/or 900 and 976 to be blocked and routed to a recorded announcement. Other arrangements, as specified by the customer, may be provided on an individual case basis. This option is provided in all Telephone Company electronic end offices and, where available, in electronic end offices in which Dedicated Access Line Service is provided. It is available with Feature Groups C and D.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(J) Regular Multiline Hunt Group

This feature offers the ability to sequentially access terminals in a hunt group, beginning with the start-hunt terminal until an idle terminal is found or the last terminal number is reached, when the access number of the line group or Dedicated Access Line Service is dialed. If all terminals are busy, a busy tone will be returned to the calling party. This feature is compatible with Central Office Announcement and Queuing. This feature is available in all Telephone Company end offices and for Dedicated Access Line Service where it is available. It is available with Feature Group A, and with Feature Groups C and D for use with a DAL.

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(K) Immediate Dial Pulse Address Signaling

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.

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(TR830)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(L) International Carrier Option**

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

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

This option provides an arrangement to access an individual line or an individual Dedicated Access Line within a multiline hunt or uniform call distribution group when the line is idle. When the nonhunting number is dialed and the line is busy, a busy tone is provided. Where available, this feature is only provided in Telephone Company electronic end offices and in the case of Dedicated Access Line Service at those offices where Dedicated Access Line Service is provided. This feature is not compatible with the queuing feature. It is available with Feature Group a and Feature Groups C and D, for use with DALs.

(N) 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., 700, 800 or 900). Due to technical limitations, a customer may order no more than four different routes per end office or access tandem for Service Class Routing per Domestic Carrier. International Carriers may order up to four additional routes. It is provided in suitably equipped end office or access tandem switches and is available with Feature Groups C and D.

(O) Service Code Denial on Line or Hunt Group

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

ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(P) Signaling System Seven (SS7) Signaling**

This option provides out of band transmission of SS7 protocol signaling information between the end office switching system or the tandem office switching system and the customer's designated premises. The SS7 signaling option requires the customer to purchase Signal Transfer Point Access and Originating Point Codes described in 6.1.3(A) and the Basic Initial Address Message Delivery option or Signal Formulation option following. This feature is available in SS7 signaling equipped end or tandem offices with Feature Group D and terminating Feature Group B.

(Q) Signal Formulation

This chargeable option provides for the formulation of the Initial Address Message (IAM) and Transaction Capabilities Application Part (TCAP) SS7 messages at an end office or tandem office. IAM Signal Formulation permits the formulation of the same call set-up parameters as Basic Initial Address Message Delivery, and is required by the customer purchasing bundled Local Switching with the SS7 Signaling Optional Feature.

TCAP Formulation provides for the formulation of signaling messages (excludes 800 Access and LIDB TCAP messages) that are non call associated between nodes in the Telephone Company's network or between a Telephone Company node and an interconnecting Telephone Company's node.

Signal Formulation requires the customer to purchase Signal Transfer Point Access and the SS7 Signaling option.

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(TR)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(R) Basic Initial Address Message Delivery**

This option permits the formulation of the following optional SS7 signaling call setup parameters: User Service Information, Called Party Number#, Calling Party Number*, Charge Number#, Originating Line Information*, Transit Network Selection, Carrier Selection, Service Code and Access Transport. The Initial Address Message Delivery option requires the customer to purchase Signal Transfer Point Access and SS7 Signaling option and is required by the customer purchasing unbundled Local Switching.

(S) SS7 Optional Parameters**(1) Carrier Identification Parameter (CIP)**

This chargeable option provides for the transmission of the Carrier Identification Code or the Access Code (101XXXX) to the customer as part of the Basic Initial Address Message (IAM). CIP is available for originating Feature Group D Switched Access Service from suitably equipped SS7 end offices and tandems. The CIP Optional Feature requires the customer to purchase Signal Transfer Point Access and the SS7 Signaling Basic Initial Address Message Delivery Options.

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* Available on a direct SS7 equipped end office connection or a connection to the access tandem when no MF/SS7 signaling interworking occurs.

The MF Called Party Number and Charge Number equivalents are respectively, Called Directory Number Delivery and Automatic Number Identification (ANI).

(TR1206)

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2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025**

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(S) 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 in the trunk group, i.e., the choked calls, would be routed to reorder tone. It is provided in all Telephone Company electronic end offices and where available in electromechanical end offices. It is available with Feature Groups C and D.

(T) Uniform Call Distribution

This option is available with a multiline hunting arrangement to provide an equal distribution of calls among the available lines in the hunt group or lines in a Dedicated Access Line Service hunt group (DAL). For use with DAL, this is only available out of electronic offices where DAL is available. A Multiline Hunt Group is required with this option. This option can be used with Central Office Announcement, Queuing, and Nonhunting Number features and is available with Feature Group A, and with Feature Groups C and D for use with a DAL.

(U) Up to 7 Digit Outpulsing of Access Digits to Customer

This option provides for the end office capability of providing up to 7 digits of the uniform access code 950-XXXX to the customer's 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's premises using multifrequency signaling, and transmission of the digits would precede the forwarding of ANI if that feature were provided. It is available with Feature Group B.

(V) Feature Group D with 950 Access

This option provides for the routing of originating calls dialed using a customer's 950-0xxx or 950-1xxx access code to the customer over Feature Group D trunks, using Feature Group D signaling protocols and technical specifications. The customer must be prepared to differentiate between standard Feature Group D calls and 950-dialed calls delivered over the same trunks. Where technically feasible, this feature is available with Feature Group D. (E.g., as described in AM-TR-OAT-000069, Feature Group D with 950 Access is not available with certain tandem switches when the signaling from the end office to the tandem is MF and the signaling from the tandem to the customer is SS7.)

* Provided in the Ameritech Operating Companies only as a Grandfathered Optional Feature as of July 5, 1987, per section 15, following.

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(TR933)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.1 Common Switching Optional Features (Cont'd)****(W) Public Switched Digital Service (PSDS) Switching Capability**

This option allows for a connection between the customer's premises and a suitably equipped end user's premises using end office switching capable of transmitting up to 56 Kbps digital data. The standard dialing pattern described in paragraph 6.2.4(A)(6) may be used, or where technical limitations require the modification of the standard dialing pattern, end users at suitably equipped end user premises can activate the capability in the end office switch by dialing #56 + 101XXXX + 10 digits or, when presubscribed to a participating Interexchange Carrier, #56 + 1 + 10 digits. Customers will be notified of the dialing pattern to be used when service is ordered. PSDS is available only with Feature Group D Switched Access Service, and is provided only from offices designated as PSDS offices by the Telephone Company.

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(TR1206)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

D

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(X) Central Office Announcement T

This option provides the ability for calls to a specific phone number to be routed to a call progress announcement in the Telephone Company's central office. Calls will be routed when the call is not answered within a designated time, as specified by the customer. The announcement will be played only once. This option also requires Queuing option in order to function properly. This option is available with Feature Group A.

(Y) Queuing T

This option allows a call to be placed in queue to wait for an available terminal in a multiline hunt group. The maximum number of calls that can be queued is as specified by the customer up to to the allowable number for the switch.. Calls received after the maximum number of calls has been exceeded will receive a busy tone. When a call is in queue, audible ringing is returned and no further indication is sent to the customer until a terminal completes the call, unless the Central Office Announcement feature has been ordered. This option can also work with Central Office Announcement and Multiline Hunt Group Overflow options. In an office equipped with a DMS100 switch, the Uniform Call Distribution optional feature is also required. This option is available with Feature Group A.

(Z) Three Way Call Transfer T

This feature gives the customer the capability of including another end user on an already established call. After establishing the call, the customer may drop his connection without disconnecting the two end users. While the two parties are connected, the FG A access continues to be recorded and will be charged to the customer. In an office equipped with a DMS100 switch, the customer and one end user must be served out of the same central office in order for the customer to drop off the line and keep the two end users connected. This feature is available with Feature Group A.

(TR892)

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Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(AA) Make Busy Arrangements

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This option allows a customer to busy out a group of trunks or lines and to reroute incoming traffic from one group of lines or trunks to another group of lines or trunks, if the customer has more than one group of lines or trunks. This option requires a compatible DNAL as specified in Section 8.3.2. This option is available with Feature Groups A, B and D.

(AB) Multiline Hunt Group Overflow

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This feature allows a call that is destined for the customer's multiline hunt group (MLHG), either a regular, circular or preferential hunt group, to be routed to another Feature Group A telephone number, MLHG or Central Office Announcement within the same central office when all lines in a hunt group are busy. This option is available with Feature Group A.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(AC) Answer Supervision with Line Side Interface

This feature provides the capability to deliver "off-hook" supervisory signals from the terminating central office switch to a lineside interface at the originating central office switch. These signals indicate when the called station has answered an incoming call. Answer Supervision is available with a coin line and FGA and is compatible with the exchange feature call forwarding variable. This feature will only be provided from appropriately equipped offices.

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C**(AD) Circular Multiline Hunt Group**

This feature offers the ability to sequentially access terminals in a hunt group or a Dedicated Access Line Service group, with the hunt sequence starting over again at the start-hunt terminal if all terminals are busy. If all terminals are busy in the second pass, a busy tone will be returned to the calling party. The features of Central Office Announcement and Queuing are compatible with this feature. This feature is available in all end offices with Feature Groups C and D and use with a DAL at all WATS serving offices.

(AE) Called Directory Number Delivery

This feature provides the customer with the telephone number to which the call was directed. The 7 or 10 digit number is provided as part of the in-band transmission with MF signaling*. The Called Directory Number Delivery feature is associated on a call-by-call basis with all individual transmission paths in a trunk group routed either from an access tandem or from the originating end office. This option is available with FGC and FGD, except when FGD is provided with the 950 Access or Cut-Through features.

* The SS7 protocol Called Directory Number Delivery equivalent is the Called Party Number. The Called Party Number is contained in the Basic Initial Address Message Delivery common switching optional feature.

(TR1092)

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Effective: June 3, 1997

Director, Federal Regulatory Planning & Policy, 4G62
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(AF) Preferential Hunting

This option allows a separate hunting list to be associated with each terminal in a hunt group or a Dedicated Access Line hunt group. When a call is made directly to a busy terminal with a MLHG or a DAL hunt group equipped with preferential hunting, a linear hunt is performed over the special ordered list of preferential hunt terminals. The call will terminate at the first idle terminal in the preferential hunt list. If all of the terminals in the preferential hunt are busy, then a secondary hunt should be conducted over all of the terminals. This hunt sequence will be in the regular hunt sequence, not the preferential list. This feature is not compatible with the Uniform Call Distribution and Nonhunt Number features. Also, this feature is not available from offices served by a 5ESS switch. This feature is available with Feature Group A and Feature Groups C and D for use with a DAL.

**(AG) Flexible Automatic Number Identification
(Flex ANI)**

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

At the request of a customer, a Telephone Company Business Office will confirm Originating Line Screening codes associated with an Exchange service line from which the call originates.

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x Issued under authority of Special Permission No. 97-17.

y Reissued material effective on January 16, 1997, under Transmittal No. 1033.

Certain material previously on this page now appears on Original Page 163.7.1.

(TR1047)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

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

The following ii codes are available:

- 29 Confinement/Detention Facility
- 52 Outward Wide Area Telecommunications
Service (OUTWATS)
- 61 Cellular Service (type 1)
- 70 Private Pay stations
- 93 Access for Private Virtual Network types
of service

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

The feature is provided per end office, on a Carrier Identification Code (CIC) basis and is available at suitably equipped end offices as described in 5.2 preceding. By August 1, 1997, this feature will be available in all digital end-offices. Within six months after receiving a bona fide request (BFR), this feature will be made available in non-digital offices.

Customers will be exempt from nonrecurring charges for Flex ANI when the Flex ANI is to provision service to allow for the passing of Flex ANI digits 29 and 70 to the customer for the purpose of identifying calls for which per call compensation will be paid to the Payphone Service Provider, pursuant to the FCC Order on Reconsideration in CC docket No. 96-128, released November 8, 1996.

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(TR1143)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.1 Common Switching Optional Features (Cont'd)

(AH) Call Screening

This option provides the capability of passing call screening digits on all calls that originate from FGA or coin lines. With Call Screening, the Dial Tone office switched translations, associated with the line, generates the ANI information digits of 07 on each call passed. Call Screening is available with Feature Group A and coin service in suitably equipped Telephone Company offices.

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C**(AI) Direct Inward Dialing (DID)**

This optional feature provides a two or four wire DID trunk side termination with line treatment at the first point of switching that permits the Dial Tone Central Office Switch to deliver all or part of the called number to the customer premises at the time the call is established. Multifrequency (MF), Dual Tone Multifrequency (DTMF) or Dial Pulse address signaling is used by the Telephone Company to deliver only the called telephone number to the customer premises. No other address signaling will be delivered to the customer premises. The type of signaling utilized depends on the Dial Tone Office switching equipment available. If additional address signaling is required by the customer, it must be provided by the customer's end user using inband tone address signals which will not be regenerated by the Telephone Company and will be subject to the ordinary transmission capabilities of the Switched Transport provided.

The DID optional feature is only available with new FGA or new Circuit Switched Line BSA arrangements and only in the originating direction. The customer must order a DID Termination and the first group of 20 DID numbers to be associated with the DID Termination in addition to FGA service. Additional groups of 20 DID telephone numbers are available. The DID optional feature is only available as a stand alone BSE or optional feature, no other BSEs or optional features can be used in conjunction with it.

(TR1092)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.2 Transport Termination Optional Features****(A) 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 Transport Termination.

(1) Coin

This arrangement provides for initial coin return control and routing of 0+, 0-, 00-, 1+, 01+ or 011+ prefixed originating coin calls requiring operator assistance to the customer's premises. 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.

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

(2) Non-Coin

This arrangement provides for the routing of 0+, 0-, 00-, 1+, 01+ or 011+ prefixed originating non-coin calls requiring operator assistance to the customer's premises. Because operator assisted non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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The operator assistance non-coin calling arrangement is also normally ordered by the customer in conjunction with the ANI optional feature, since the preponderance of trunk

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.2 Transport Termination Optional Features (Cont'd)****(A) Operator Trunk - Coin, Non-Coin, or Combined Coin and Non-Coin (Cont'd)****(2) Non-Coin (Cont'd)**

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

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(3) Combined Coin and Non-Coin:

This arrangement provides for initial coin return control and routing of 0+, 0-, 00-, 1+, 01+ or 011+ prefixed originating operator assisted coin and non-coin calls requiring operator assistance to the customer's premises. Because operator assisted coin and non-coin calling traffic is routed over a trunk group dedicated to operator assisted calls, this arrangement is only provided in association with the Service Class Routing option.

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

x Issued on not less than ten days' notice under authority of Special Permission No. 89-189 of the Federal Communications Commission.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.3 Local Switching Optional Features (Cont'd)

6.3.2 Transport Termination Optional Features (Cont'd)

(B) Operator Trunk - Full Feature

This option provides the operator functions available in the end office to the customer's operator. These functions are (1) Operator Released, (2) Operator Attached, (3) Coin Collect, (4) Coin Return, and (5) Ringback. It is available with Feature Group D and is provided as a trunk type of Transport Termination. This option is not available in combination with Signaling System Seven signaling optional feature.

(C) Rotary Dial Station Signaling

This option provides for the transmission of called party address signaling from rotary dial stations to the customer's premises for originating calls. This option is provided in the form of a specific type of Transport Termination. It is available with Feature Group B, only via Direct Transport Services.

(D) Tandem Signaling

Tandem Signaling provides the Carrier Identification Code (CIC) and the 0ZZ code or SS7 equivalent from Telephone Company equal access end offices to provide alternate tandem switching services. The feature may be provided utilizing Telephone Company provided Direct Transport in separate one-way originating and/or one-way terminating trunk groups as specified in 6.1 preceding.

For originating traffic, the customer ordering the Direct Transport Service, generally, the alternate access tandem provider, will also be the customer for Tandem Signaling. The entity assigned the recorded CIC will be the customer of record for the FGD Switched Access Service.

For terminating traffic, the customer of record may be either the alternate access tandem provider or the entity assigned the recorded CIC whose traffic is routed through the alternate access tandem provider. The alternate access tandem provider will be billed for the total FGD Switched Access terminating traffic when the alternate access tandem provider is the customer of record. When the entity assigned the recorded CIC is the customer of record, the alternate access tandem provider will provide records of terminating traffic that is routed through its switch in Exchange Message Interface (EMI) format for the Telephone Company's use in billing the terminating FGD Switched Access usage to the customer of record. These recordings will be compared with Telephone Company end office terminating recordings. Discrepancies will be negotiated between the Telephone Company and the alternate access tandem provider and adjusted accordingly.

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(TR823)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.3 Local Switching Optional Features (Cont'd)****6.3.2 Transport Termination Optional Features (Cont'd)****(D) Tandem Signaling (Cont'd)**

The customer ordering FGD Switched Access Service must provide a Letter of Authorization to the Telephone Company specifying that their traffic will be routed via an alternate access tandem provider.

Tandem Signaling can be provided for MF (In-Band) or SS7 (Out-of-Band) Signaling. Customers requiring Tandem Signaling via SS7 must purchase Signal Transfer Point (STP) Access in accordance with 6.1.3 preceding or interconnect to the Telephone Company's SS7 network via a third-party's SS7 Network.

800 calls originating at end offices not equipped with the Service Switching Point (SSP) functionality must be routed via the Telephone Company Access Tandem and may not be routed through an alternate access tandem.

Overflow or alternate routing is provided according to 6.3.1 preceding, but the customer may not use the Telephone Company and the alternate access tandem provider as the primary route for traffic with the same CIC.

6.3.3 Dedicated Access Line Termination Optional Features**(A) Dialed Number Identification Service (DNIS)**

This option permits a customer's end user with multiple telephone numbers in the same service group to identify the specific telephone number which was dialed by the calling party. Identification is accomplished by outpulsing four digits which distinguish the dialed number to the customer premises equipment at the end user's location. The digits are outpulsed to the end user premises over the Dedicated Access Line (DAL). All DALs in the same service group must be equipped for DNIS. The number of dialable telephone numbers accessing a service group equipped for DNIS can not exceed the number of DALs in the service group. DNIS is provided with either reverse battery or E&M type supervisory signaling at suitably equipped WATS serving offices.

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Certain material on this page previously appeared on 9th Revised Page 166.
Certain material previously on this page now appears on Original Page 166.1.1.

(TR823)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services

Data Base Services are those services provided using components of the Telephone Company's Common Channel Signaling, Signaling System 7 (CCS/SS7) network. Data Base Services can use application software in processing a CCS/SS7 call. Data Base Services can also be used to request and respond to call processing instructions.

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6.4.1 800 Service

800 Service is a generic term for access services associated with toll free numbers.

800 Service, which is available to all customers, is an originating offering which provides a carrier identification function for numbers using toll free service access codes (SACs) (e.g., 800 or 888-NXX-XXXX). The carrier identification function is performed using queries which are routed using the Telephone Company CCS/SS7 network to the Telephone Company Service Control Point (SCP). 800 Service may be provided with Call-Routing Capability or Carrier-ID-Only options.

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The Federal Communications Commission (FCC) has concluded that hoarding, defined as the acquisition of more toll free numbers than one intends to use for the provision of toll free service, as well as the sale of a toll free number by a private entity for a fee, is contrary to the public interest in the conservation of the scarce toll free number resource and contrary to the FCC's responsibility to promote the orderly use and allocation of toll free numbers.

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(A) 800 Call-Routing Capability

Call-Routing Capability is provided in conjunction with originating Switched Access Services. When a toll free call is originated by an end user, the Telephone Company will perform the carrier identification function based on the dialed digits to determine the customer location to which the call is to be routed. Once carrier identification has been established, the call will be routed to the customer.

The manner in which toll free traffic is delivered to the customer depends on the status of the end office from which the call originates (i.e., whether or not the office is equipped with equal access capabilities). From end offices equipped with equal access capabilities, 800 service will be provided in conjunction with Feature Group D service. When toll free traffic originates from an end office not equipped with equal access capabilities, service will be provisioned in accordance with the technical characteristics available with Feature Group C.

For the Call-Routing carrier identification function, all traffic must be routed via a Service Switching Point (SSP) at which that function is available. It is the customer's responsibility to ensure that sufficient Switched Access facilities have been ordered to handle its toll free traffic.

(TR1100)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.1 800 Service (Cont'd)

(A) 800 Call-Routing Capability (Cont'd)

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

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When toll free traffic is combined in the same trunk group arrangement with other traffic, the toll free traffic will be aggregated with the other traffic for billing purposes. When separate trunk groups are provided for toll free traffic, usage will be billed separately unless aggregation with Feature Group C or D usage is requested and is technically feasible.

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The Call-Routing Capability allows for the following additional functions, at the customer's option:

- POTS Translation: The customer may choose to have either the dialed toll free number or the standard network routing (POTS) number forwarded to the IC premises.
- Routing Options: alternate carrier(s) and/or alternate destination(s) may be identified based on criteria such as time-of-day, day-of-week, specific dates, originating NPA-NXX-XXXX and/or percent allocation. Routing Options also include routing to a single carrier and destination from an area of service which is smaller than an area defined by an NPA-NXX.

In addition to Switched Access per minute of use rates, the Call-Routing Query Charge in 6.9.4(A)(1) applies per toll free query. When the call-routing carrier identification function performed includes POTS Translation and/or Routing Options, the charges in 6.9.4(A)(3) will also apply, per query.

(TR940)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.1 800 Service (Cont'd)

(B) 800 Carrier-ID-Only

Customers may choose to launch queries to the Telephone Company SCP using their own CCS/SS7 network to transport part of the signaling. When the carrier identification is provided, the customer may use the information to route toll free traffic using their own network. In these cases, Telephone Company Switched Access services are not used to deliver a call to a carrier.

Customers must purchase Signal Transfer Point Access Service as described in 6.1.3(A)(4)(b) preceding. Customers with networks and/or SSPs located in LATAs not served by the Telephone Company, must order STP Access at the Regional STP in LATA 358 (Chicago, Illinois) for 800 Carrier-ID-Only service. The Telephone Company 800 Data Base will receive and respond to toll free carrier identification requests.

800 Carrier-ID Only data service is for use in routing originating calls and for database queries. This information may not be stored by the customer or any of their customers for future use.

An Administrative charge applies for each 800 Carrier-ID-Only Access Order and an Originating Point Code (OPC) charge, as set forth in 6.9.1(D), applies for each OPC established. An OPC charge also applies for each OPC added or changed subsequent to the establishment of STP Port Access. A recurring charge, as set forth in 6.9.4(A)(2) will apply for each 800 Carrier-ID-Only query that returns a carrier identification code. When the carrier identification function performed includes POTS translation and/or Routing Options, the charges in 6.9.4(A)(3) will also apply, per query.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.2 Local Number Portability (LNP) Query Service

(A) General

LNP Query Service is a capability that utilizes Advanced Intelligent Network (AIN) technology to query a data base to secure network routing instructions before completion of a call. The database contains information about end users which have ported their service from the donor switch. At a minimum, the database contains the Location Routing Number (LRN) which identifies the Local Service Provider's (LSP) switch serving each ported end user. The LRN is used to direct the call to the correct switch for completion to the end user. Where more than one network is involved in completing the call, the network just before the terminating network (i.e., the N-1 Network) is responsible for querying a LNP data base to secure the LRN.

N-1 wireline and wireless telecommunications carriers ("Carriers") will be assessed either a Default LNP query charge as set forth in 6.4.2 (B) following where they deliver calls for termination by the Telephone Company for which a query has not been performed or an LNP Database Access Query charge, as set forth in 6.4.2 (B) following, where they directly access the Telephone Company's LNP Database to perform a query.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.2 Local Number Portability (LNP) Service (Cont'd)

(B) LNP Query Service Application

There are two applications of the LNP network capability available through the Telephone Company's network.

(1) Default LNP Query

Terminating calls from N-1 Carriers upon which a query has not been performed to numbers in the Telephone Company's network with NXX codes from which a number is or has been ported that have been designated as number portable will require a query to the LNP database. Carriers who terminate calls into the Telephone Company's network without having performed the appropriate data base query will be assessed a Default LNP Query. This query is initiated on behalf of the N-1 Carrier in the performance of its N-1 responsibility, and may require the Telephone Company to assume extraordinary measures to meet the demand of default queries. In this scenario, the Telephone Company's end office or access tandem switch will suspend call processing and launch a query to the LNP database. When the routing information is returned to the switch, call processing is resumed and the call is routed to the correct switch for completion to the called party. The Carrier will be assessed either an end office or a tandem LNP Default Query depending upon where the query is launched.

(2) LNP Database Access Query

LNP Database Access Query provides Carriers direct access to the Telephone Company's LNP Database to meet their N-1 responsibility to determine the Location Routing Number (LRN). The query is initiated by the N-1 Carrier in the performance of its N-1 responsibility. When the routing information is returned to the Carrier, call processing is resumed and the call is routed to the correct switch for completion to the called party.

Access to the Telephone Company's LNP Database requires that the Carrier subscribe to Switched Transport STP Access as described in 6.1.3 (A) (4) (c). In addition, the Carrier must subscribe to a Dedicated Network Access Link (DNAL), as described in Section 8, or provide their own DNAL to interconnect with the Company's STP.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.4 Data Base Services (Cont'd)****6.4.2 Local Number Portability (LNP) Service (Cont'd)****(C) Service Provisioning**

LNP Query Service will initially be deployed in Ameritech's fourteen largest Metropolitan Statistical Areas (MSAs) on a switch specific basis as published in the National Exchange Carrier Association Inc., Tariff F.C.C. No. 4. If subsequent deployment is requested in additional switches after the initial deployment schedule is accomplished, the Telephone Company will provide portability in these switches based on the following time frames:

- Equipped Remote Switches within 30 days
- Hardware Capable Switches within 60 days
- Capable Switches requiring hardware within 180 days
- Noncapable Switches within 180 days.

LNP Query Service procedures will be applied uniformly to all users of the Telephone Company's LNP Query Service except as stated in 3, following. The Telephone Company's LNP database will receive and respond to all queries, including the Telephone Company's queries, as defined in the following Technical References: AM-TR-NIS-00145 and AM-TR-00146.

(1) Manner of Provisioning

LNP Query Service will be provisioned using the LRN. The LRN associates an NPA-NXX-XXXX number with each central office switch that serves ported lines. This number will be known as the LRN for that switch. The LRN will be used as a network routing number for calls to ported numbers served by that switch. All switching equipment types will utilize LRN functionality using Advanced Intelligent Network capability (AIN).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.2 Local Number Portability (LNP) Query Service (Cont'd)

(C) Service Provisioning (Cont'd)

(2) Limitations

LNP Query Service is to be used only on a call-by-call basis for routing calls to number portable NXX codes and cannot be used for purposes other than those functions described herein.

Information residing in the Telephone Company's LNP database is protected from unauthorized access and may not be stored in a carrier's data base or elsewhere for any reason.

(3) Network Management

The Telephone Company will administer its network with the objective of the provision of acceptable service levels to all users of LNP query service.

The Telephone Company maintains the right to block any LNP Query traffic, in a nondiscriminatory manner, where the processing of the LNP queries threatens to disrupt operation of its network and impair network reliability. The provision of LNP Query Service is subject to the provisions of Section 2.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

6.4.2 Local Number Portability (LNP) Query Service (Cont'd)

(D) Rate Regulations

The rates and charges associated with LNP Query Services are "query" based and will be billed on a monthly basis, based on recorded usage. Query charges will be applied by the Telephone Company based upon the recordings of carrier queries to the database. If such recordings are not available, the Telephone Company will develop monthly charges based on an average number of queries per month.

Specific rates and charges as set forth in 6.9.4 (B) are applicable to both interstate and intrastate calls.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.4 Data Base Services (Cont'd)

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6.5 Telecommunications Relay Services Access

Telecommunications Relay Services (TRS) Access is the access transport service provided by the Telephone Company from the point of termination of a TRS Provider, through the Telephone Company's access tandem, to the point of termination of the TRS subscriber's carrier of choice.

TRS Access Service consists of TRS Provider Transport (TRS-PT) and Feature Group D (FGD) Switched Access Service. TRS-PT is the transport furnished by the Telephone Company between the TRS provider and the TRS Access Tandem. The TRS Access Tandem is the one Telephone Company access tandem, in each state, that the TRS Provider designates as the tandem to which they will deliver all TRS traffic, for that state. The transport between the TRS Access Tandem and the TRS subscriber's carrier of choice is provided via FGD Switched Access Service subject to the rules set forth in Section 2.4.9 preceding. TRS-PT combined with FGD Switched Access Service allows TRS Providers to terminate TRS traffic to the TRS subscriber's carrier of choice.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.5 Telecommunications Relay Services Access (Cont'd)

(A) Telecommunications Relay Services Provider Transport (TRS-PT)

TRS-PT facilities furnish transport from the TRS Provider's premises to the TRS Access Tandem. The dedicated TRS-PT entrance facility between the TRS Provider's Point of Termination and their serving wire center is provided via the TRS Local Distribution Channel (LDC) rate element. The dedicated interoffice TRS-PT facility between the TRS Provider's serving wire center and the TRS Access Tandem is provided via the TRS Channel Mileage and TRS Channel Mileage Termination rate elements. These rate elements are described in Section 6.1.3 preceding. TRS-PT facilities are for use in conjunction with TRS Access Service only.

TRS-PT facilities provide voice communications via digital transmission operating at a 1.544 Mbps discrete bit rate.

TRS-PT facilities are available with Interface Groups 6, 9 and 11 at the customer premises as described in Section 6.1.3(A)(2). These interfaces are provided with Type A Transmission Specifications as set forth in Technical Reference TR-NWT-000334.

All channels on TRS Provider Transport facilities must be ordered as Switched Access channels with Feature Group D Signaling. The TRS Provider will provide signaling in a two stage originating FGD format. The information supplied in the first stage will be used to select the specific trunk group of the carrier of choice at the TRS Access Tandem. The second stage of the signaling format will include the Automatic Number Identification (ANI) of the TRS end user, as well as the called telephone number. The ANI digits will also identify the call as a TRS call.

The Telephone Company will furnish the TRS-PT facilities for the provisioning of TRS Access based on the TRS-PT rates and charges as described in Sections 6.1.3(E) and 6.8.15.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.2 Design and Traffic Routing of Switched Access Service

When ordering Feature Group A (FGA) line side or FGB, FGC or FGD trunk side Switched Access Service, the customer, at a minimum, must specify the types of Switched Transport services on which the lines or trunks will be activated (i.e., Entrance Facilities, Direct Transport Services and/or Tandem-Switched Transport Services). When activating new Switched Access Service lines or trunks, the customer must indicate if the facilities on which the lines, trunks or lower speed services are to be activated are new or existing. The customer must specify whether the service is to be originating only, terminating only or two-way.

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.6 Obligations of the Telephone Company (Cont'd)****6.6.2 Design and Traffic Routing of Switched Access Service (Cont'd)**

For Switched Access Service, the customer desired line or trunk directionality and/or traffic routing of the Switched Access Service between the customer's premises and the entry switch are determined by the customer's order for service. If the customer orders Feature Group B or Feature Group D routing or directionality different from that determined by the Telephone Company, the Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be routed directly to an end office or through an access tandem switch and (2) the directionality of the service. Additionally, for Feature Group B the customer may order the optional feature Customer Specification of Switched Transport Termination.

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

6.6.4 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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.5 Determination of Number of Transmission Paths

For Switched Access Service, the customer specifies the number of transmission paths in the order for service.

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When ordering FGD Switched Access Service in conjunction with Telecommunications Relay Services Provider Transport facilities, the TRS Provider will specify the number of transmission paths in quantities of channels in the order for service.

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When ordering FGD Switched Access Service in conjunction with Alternate Card Access service, the customer will specify the number of transmission paths in quantities of trunks in the order for service.

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6.6.6 Determination of Number of End Office Transport Terminations

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

y Material to be effective on deferred date of December 30, 1993 under Transmittal no. 736. Certain material previously on this page now appears on Original Page 169.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.7 Design Blocking Probability

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

- (A)** For Feature Groups A and B no design blocking criteria apply.
- (B)** For Feature Group C, the design blocking objective will be no greater than one percent (.01) between the point of termination at the customer's premises and the first point of switching when traffic is directly routed without an alternate route. Standard traffic engineering methods will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.7 Design Blocking Probability (Cont'd)

- (C) For Feature Group D, the design blocking objective for the final group will be no greater than one percent (.01) between the point of termination at the customer's 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 SR-EOP-000191 Trunk Traffic Engineering Concepts and Applications will be used by the Telephone Company to determine the number of transmission paths required to achieve this level of blocking.
- (D) For 500 Access Service and 900 Access Service, the design blocking criteria is dependent on the status of the end office from which the service is provided. The design blocking criteria for 500 Access Service and 900 Access Service provided from an end office not equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group C. The design blocking criteria for 500 Access Service and 900 Access Service provided from an end office equipped with equal access capabilities will be equivalent to that set forth preceding for Feature Group D. N
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- (E) The Telephone Company will perform routine measurement functions for the capacity ordered, whether ordered in trunks or BHMCs, in accordance with the Telephone Company design blocking criteria 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, or trunks) be ordered by the customer when additional paths are required to reduce the measured blocking level. Where design blocking criteria apply, the design blocking objective is assumed to have been met if the routine measurements show that the measured blocking does not exceed the thresholds listed in the following tables.
- (1) For transmission paths carrying only first routed traffic directly between an end office and customer's premises without an alternate route, and for paths carrying only overflow traffic, the measured blocking thresholds are as follows:

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.7 Design Blocking Probability (Cont'd)

(E) (Cont'd)

(1) (Cont'd)

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	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	.040	.060	

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

Number of Transmission Paths Per Trunk Group	Measured Blocking Thresholds in the Time Consistent Busy Hour for the Number of Measurements Per Trunk Group			
	15-20	11-14	7-10	3-6
	Measurements	Measurements	Measurements	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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.6 Obligations of the Telephone Company (Cont'd)

6.6.8 Operator Transfer Service

Upon customer request, the Telephone Company will provide a list identifying Operator Services Systems and Operator Services Access Points for use with Operator Transfer Service and Inward Assistance Service, as specified in 6.1.3(A)(4) preceding. Additionally, the Telephone Company will define the service areas of designated Operator Services Access Points.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Obligations of the Customer

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

6.7.1 Report Requirements

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

(A) Jurisdictional Reports

When a customer orders Switched Access Service for both interstate and intrastate use, the customer is responsible for providing reports as set forth in 2.3.10 preceding. Charges will be apportioned in accordance with those reports. The method to be used for determining the interstate charges is set forth in 2.3.11 preceding.

(B) Code Screening Reports

When a customer orders service class routing it must report the number of trunks and/or the appropriate codes to be instituted in each end office or access tandem switch, for each of the arrangements ordered.

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(TR698)

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ACCESS SERVICE**6. Switched Access Service (Cont'd)****6.7 Obligations of the Customer (Cont'd)****6.7.1 Report Requirements (Cont'd)****(C) 500 NXX and 900 NXX Code Reports**

When ordering 500 Access Service or 900 Access Service, the customer must report the appropriate NXX code(s) to be instituted in each Telephone Company office at which the customer identification function is performed. The report must be updated by the customer each time a change is scheduled to occur, i.e., when a new code is to be added or an existing code is to be deleted. Such updated reports shall be provided at least 20 business days prior to the effective date of the change in order to allow the Telephone Company sufficient time to implement the change. C

(D) Substantial Call Volume Services

When a customer offers services for which a substantial call volume is expected during a short period of time (e.g., media stimulated events), the customer must notify the Telephone Company at least 24 hours in advance of each peak period. For events scheduled during weekends or holidays, the Telephone Company must be notified no later than 5:00 p.m. local time the prior business day. Notification should include the nature, time, duration, and frequency of the event, an estimated call volume, and the NPA NXX and line number(s) to be used.

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

Failure to provide prescribed notification may result in customer caused network congestion, which could result in discontinuation of service under paragraph 2.2.1 and/or damages under paragraph 2.3.1.

6.7.2 Supervisory Signaling

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.7 Obligations of the Customer (Cont'd)

6.7.3 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 based on previously arranged intervals and format.

6.7.4 Design of Switched Access Service

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

6.7.5 Tandem Routed Percent

When a customer orders Direct Transport with overflow to Tandem-Switched Transport Services in conjunction with either FGC or originating FGB Switched Access services, the customer must provide a Tandem Routed Percent (TRP). The TRP factor will enable the Telephone Company to apportion the customer's usage between direct and tandem routed. The TRP reported by the customer, for each end office, shall be stated as a whole number percentage (number of 0 through 100) which is the customer's best estimate of the proportion of the originating FGB or FGC traffic that will be transported via Tandem-Switched Transport Facilities to or from the end office.

The customer, may at their option, provide one TRP for all end offices within the LATA or state. The LATA or state TRP will reflect the proportion of tandem routed traffic for all originating FGB or FGC Switched Access Services provided within the LATA or state.

When the customer determines that any currently effective TRP factor is no longer accurate, the customer shall report a revised TRP(s). The revised TRP(s) will become effective on the first day of the next monthly billing which begins at least 15 days after the day on which the customer reports the revised TRP(s) to the Telephone Company. No revision to bills preceding the effective date of the revised TRP(s) will be made based on this report.

If the customer does not provide a TRP factor for an end office as set forth above, the Telephone Company will designate a default TRP factor of one hundred percent (100%).

The requirement for the customer to report a TRP factor expires June 30, 1994. Subsequent to that date, the Telephone Company will work with the customer to calculate the TRP.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations

Rates are subject to subsequent adjustment, effective retroactively in light of USTA v. FCC, (Case No. 97-1469) (slip. op. May 21, 1999) (D.C. Cir.), or pursuant to pending motions or petitions or any other adjustment pursuant to a Commission or court order.

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

6.8.1 Rate Zones

- Rate zones are applicable to LT-1, LT-3 and Tandem-Switched Transport. (D)
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For LT-1 and LT-3 services installed under an Optional Payment Plan term on or after November 18, 2000, wire center rate zone assignments 1, 2, 3, and 4 can be found in the National Exchange Carrier Association, Inc. (NECA) F.C.C. Tariff No. 4. All other Telephone Company offices are assigned to zone 5. For LT-1 and LT-3 services installed under an Optional Payment Plan term prior to November 18, 2000, wire center rate zone assignments are as described in Section 7.7 following. For Tandem-Switched Transport services installed on or after November 18, 2000, wire center rate zone assignments 1, 2, 3, and 4 can be found in the National Exchange Carrier Association, Inc. (NECA) F.C.C. Tariff No. 4. All other Telephone Company offices are assigned to zone 5. For Tandem-Switched Transport services installed prior to November 18, 2000, wire center rate zone assignments are as described in Section 7.7 following. (N)
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- Entrance Facility rates are dependent upon the zone assignment of the Serving Wire Center.
- Tandem Switching and Dedicated Tandem Trunk Port rates will be determined by the location of the access tandem.
- Dedicated and Common Multiplexing rates will be determined by the location of the multiplexing arrangement. (D)
(D)
- When the offices/wire centers involved are assigned to different rate zones, the transport rates in the higher rate zone will apply to all transport rate elements. For Direct Transport and Tandem-Switched Transport, the rate zone that applies depends on the zone assignments of the offices involved, as follows:

For Direct Transport between a Serving Wire Center and an End Office, the Channel Mileage Termination and Channel Mileage rates are dependent upon the zone assignment of the serving wire center and the end office and will be assessed based on the highest rates zone.

(This page filed under Transmittal No.1262)

ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations

6.8.1 Rate Zones (Cont'd)

For Direct Transport between a Serving Wire Center and an Access Tandem, the Channel Mileage Termination and Channel Mileage rates are dependent upon the zone assignment of the serving wire center and the tandem and will be assessed based on the highest rate zone. Sy
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For tandem-routed transport ordered on a usage sensitive basis from the End Office to the Access Tandem, the Tandem-Switched Termination and Tandem-Switched Facility rates are dependent upon the zone assignment of the End Office and the Access Tandem and will be assessed based on the highest rated zone. Nx
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For tandem-routed transport ordered on a usage sensitive basis from the End Office to the Serving Wire Center, the Tandem-Switched Termination and Tandem-Switched Facility rates are dependent upon the zone assignment of the Serving Wire Center and the End Office and will be assessed based on the highest rates zone. This ordering option expires July 1, 1998. Sy
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6.8.2 Description and Application of Rates and Charges

There are three types of rates and charges that apply to Switched Access Service. These are monthly recurring rates, usage rates and nonrecurring charges. These rates and charges are applied differently to the various rate elements as set forth in (D) following.

(A) Monthly Rates

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

(B) Usage Rates

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

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y Material effective January 1, 1998 under Transmittal No. 1135.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges*

(C)

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e, installation of new services or rearrangements of installed services). The types of nonrecurring charges that apply for Switched Access Service are: administrative, design and central office connection, customer connection, rearrangement, 500 and 900 Access Service. Certain Optional Features also have separate nonrecurring charges as described in (7) following. Application of nonrecurring charges for service rearrangements is described in (5) following. The application of nonrecurring charges to Data Base Services is described in (8) following. The application of nonrecurring charges for Switched Transport Services is described in (9) following.

(1)Administrative Charge

The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per customer order, as described in Section 5.1 preceding. Administrative Charges for Switched Access service are set forth in 6.9.3 following.

(2)Design and Central Office Connection Charge

The Design and Central Office Connection Charge applies to each service installed, and is charged once per line for line side services. For customers requesting the installation or rearrangement of a single trunk, the Initial Trunk Charge will apply. For trunk side connections with multiple circuits at the same location for the same customer on the same order, with the work being completed at the same time, the Initial Trunk Charge will apply for the first trunk and the Additional Trunk Charge will apply for each additional trunk.

The nonrecurring charges for design and central office connection are set forth in 6.9.3 following.

(3)Customer Connection Charge

The Customer Connection Charge applies to each service installed, and is charged once per line or trunk. The charge applies whether the connection is physically made at the customer's serving office.

The Customer Connection Charge will not apply to each Switched Access Service line or trunk activated on an Entrance Facility unless the customer requests testing of the activated lines or trunks.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Description and Application of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(C)

The nonrecurring charges for customer connection are set forth in 6.9.3 following.

If a single order involves 500 or more lines or trunks at the same location on the same customer requested date, the individual nonrecurring charges for the services provided will not apply, except for the Administrative Charge. The customer will be notified and will be provided with an estimate of the design and installation charges involved based on the specific work to be performed. Such charges will be determined and billed to the customer as follows:

To calculate the labor charges, the Telephone Company will keep track of the labor hours used to meet the request of the customer and bill the customer at the applicable Additional Labor charges as set forth in 13.2.6 following for engineering, and 13.1.1 following for labor and testing.

An estimate of total charges will be provided to the customer, along with a request for authorization to incur the costs. Work will not proceed until authorization is received from the customer. Total charges will not exceed the estimate by more than ten percent, nor will they exceed the standard nonrecurring charges which would otherwise apply.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Description and Application of Rates and Charges (Cont'd)

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

(4) The Switched Optimization Plan (TSOP)

The Switched Optimization Plan (TSOP) is a program to temporarily waive Switched Access nonrecurring charges for certain rearrangement activities.

The nonrecurring charges waived include charges for both Switched Transport facilities and the charges associated with the Switched Access lines or trunks that are provided on Switched Transport facilities.

The Administrative charge will be waived for all rearrangement activities listed below.

Switched Access Service line or trunk nonrecurring Design and Central Office and Customer Connection charges associated with the rearrangement of Switched Access Service lines for trunks provided on Switched Transport facilities will be waived when the customer orders any of the following:

- (a) Rearranging existing Switched Access Service lines or trunks onto new or existing higher or lower capacity Shared Use Facilities, Entrance Facilities or facilities providing Direct Transport service.
- (b) Rearranging existing Switched Access Service lines or trunks provided on a Shared Use Facility, Entrance Facility or facility providing Direct Transport service when the facility is rearranged from one port to another port on the same multiplexer.
- (c) Rehoming Switched Access Service lines or trunks provided on an existing higher speed or subtending lower speed Shared Use Facility, Entrance Facility or facility providing Direct Transport service when the facility is rehomed from one multiplexer to another new or existing multiplexer in the same Central Office.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Description and Application of Rates and Charges (Cont'd)

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

(4) The Switched Optimization Plan (TSOP) (Cont'd)

Switched Transport facility nonrecurring Design and Central Office and Customer Connection charges associated with the rearrangement of Switched Transport facilities will be waived when the customer orders any of the following:

- (d) Rearranging an existing Entrance Facility or facility providing Direct Transport service from one port to another port on the same multiplexer.
- (e) Rehoming an existing higher speed or subtending lower speed Entrance Facility or facility providing Direct Transport service from one multiplexer to another new or existing multiplexer in the same Central Office.
- (f) Installing a new multiplexed higher or lower capacity Entrance Facility or facility providing Direct Transport service upon which existing lower or higher speed Entrance facilities or facilities providing Direct Transport service will be rehomed.
- (g) Upgrading or downgrading an existing Entrance Facility or facility providing Direct Transport service to a higher or lower capacity Entrance Facility or facility providing Direct Transport service.

In order to qualify as a rehome in (c), (e) and (f), the order to disconnect at the old Hub and the order to connect at the new Hub must be received by the Telephone Company at the same time, with the same due date, and be related by a Related Purchase Order Number (RPON), which ties together the due dates and order numbers from multiple orders.

In order for the waiver of Switched Access nonrecurring charges to apply, the following conditions must be met:

- (1) The customer must maintain the same points of termination for the existing services being rearranged or rehomed.
- (2) The Telephone Company must receive the orders to rearrange, rehome or upgrade services that come under The Switched Optimization Plan nonrecurring charge exemptions by June 30, 1995 with a due date no later than September 30, 1995.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.8 Rate Regulations (Cont'd)

6.8.2 Description and Application of Rates and Charges (Cont'd)

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

(4) The Switched Optimization Plan (TSOP) (Cont'd)

Application of TSOP for Customers Rearranging their Services to Switched Expanded Interconnection.

In addition to the nonrecurring charges waived in (a) through (g) preceding, the Switched Access Service line or trunk and Switched Transport facility nonrecurring charges associated with rearrangements involving interconnectors are also waived under TSOP for the following activities:

- (h) Rehoming an existing higher speed or subtending lower speed Shared Use Facility on which Switched Access Services ride, Entrance Facility or facility providing Direct Transport service from an Ameritech multiplexer to an interconnection customer's multiplexer located in a Transmission Node (as described in Section 16.1.2) in the same or different central office.
- (i) Replacing an existing Shared Use Facility on which Switched Access Services ride, Entrance Facility or facility providing Direct Transport service with a Shared Use Facility, Entrance Facility or facility providing Direct Transport services cross-connected via Electrical Cross-Connection (described in Section 16.4) to an Ameritech Interconnection Service (described in Section 16) arrangement located in the same or different central office.
- (j) In order for the TSOP waiver to apply for (h) and (i) above:
 - (1) The Ameritech Interconnection Services, described in Section 16, must be approved for Switched Access Services.
 - (2) The order to disconnect and reconnect the service must be received by the Telephone Company at the same time, with the same due date, and be related by a Related Purchase Order Number (RPON) which ties together the due dates and order numbers from the multiple orders.
 - (3) The Telephone Company must receive the orders to rearrange, rehome or upgrade services that come under The Switched Optimization Plan nonrecurring charge exemptions by June 30, 1995 with a due date no later than September 30, 1995.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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