

## ACCESS SERVICE

6. Switched Access Service

## MAPPING OF BASIC SERVICE ELEMENTS

The following is a list of the Bell Atlantic Telephone Companies Open Network Architecture (ONA) Switched Access Service Basic Service Elements (BSEs) which provides a mapping from the industry standard feature name to the feature name utilized in this tariff.

<u>Industry Standard</u>	<u>Bell Atlantic Telephone Companies</u>	
Alternate Routing	Alternate Routing - Multiple Customer Premises Routing	
Bridging - Line	Extension Service	
Calling Billing Number Delivery	Automatic Number Identification (ANI)	
Carrier Selection On Reverse Charge	WATS Access Line Service	(Z) (Z)
Dialed Number Identification via InWATS to DID	Dialed Number Identification Service (DNIS) on 800	
Hot Line	Hot Line	
Make Busy Key	Trunk Group Make Busy	
Make Busy Line	Night Transfer	
Message Desk (SMDI)	Simplified Message Desk Interface (SMDI)	
Multiline Hunt Group	Hunt Group Arrangement	
Multiline Hunt Group	Hunt Group Arrangement for Use With WATS Access Line Service	
Multiline Hunt Group - CO Announcements	Announcements with Uniform Call Distribution (UCD)	

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6. Switched Access Service (Cont'd)

MAPPING OF BASIC SERVICE ELEMENTS (Cont'd)

(Z)

<u>Industry Standard</u>	<u>Bell Atlantic Telephone Companies</u>
Multiline Hunt Group - UCD with Queuing	Queuing with Uniform Call Distribution (UCD)
Multiline Hunt Group - Uniform Call Distribution Line Hunting	Uniform Call Distribution (UCD) Arrangement
Multiline Hunt Group - Uniform Call Distribution Line hunting	Uniform Call Distribution for Use With WATS Access Line Service
Three Way Calling	Three Way Calling
Traffic Data Reports	Provision of Service Performance Data
Traffic Data Reports	Trunk Group Measurement Reports
Uniform 7 Digit Access Number via Overlay Networking	900 Access Service
Warm Line	Warm Line

(Z)  
 (Z)

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

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, multiplexing node or virtual collocation arrangement and an end user's premises. It provides for the use of common terminating, switching and trunking facilities, and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's premises, multiplexing node or virtual collocation arrangement and to terminate calls from a customer's premises, multiplexing node or virtual collocation arrangement 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.

For purposes of administering regulations set forth herein, a Tandem Switching Provider point of interface may be a customer premises, a multiplexing node or a virtual collocation arrangement.

Pursuant to FCC Memorandum Opinion & Order on Reconsideration, CC Docket No. 89-79, released April 14, 1993, the Telephone Company will offer unbundled Basic Serving Arrangements and bundled Feature Group Arrangements.

Conversions of existing Feature Group Arrangements to Basic Serving Arrangements are subject to the following.

- Customers may order either bundled Feature Group Arrangements or unbundled BSAs. However, once a customer orders a Circuit Switched Trunk BSA in a LATA, the customer must arrange for conversion of all trunkside services in that LATA to the unbundled BSA structure. The conversion of Feature Group A lines to CSL BSAs will be arranged for on an individual customer account basis. The Telephone Company will work cooperatively with the customer to determine conversion procedures and actual conversion dates. (Z)  
(Z)

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

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, 800 Data Base Access Service, Advanced Access Screening Capability, 900 Access Service, 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 or Circuit Switched Trunk BSA - Option 3 Access, described in 6.1.1. following). Rates and charges for Switched Access Service are set forth in 31.6 following, except when SONET Service transport is used in which case the rates and charges for such transport are set forth in Section 31.26 following. The application of rates for Switched Access Service are described in 6.7 and 26. 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)(7), 6.2.1(B)(4), 6.2.2(A)(5), 6.2.2.(B)(5), 6.2.3(A)(5), 6.2.4(A)(4), 6.2.5(A)(7), 6.2.5(B)(4), 6.2.7(A)(5), 6.2.7(B)(6), 6.2.8(A)(5), 6.2.9(A)(4), 6.7.8, 6.7.10 and 8.2 following. Finally, a credit is applied against line side Switched Access Service charges as described in 6.7.9 following.

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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

Switched Access Service is provided in four bundled service arrangements of standard and optional features called Feature Group A (FGA), Feature Group B (FGB), Feature Group C (FGC) and Feature Group D (FGD) or in two unbundled Basic Serving Arrangements (BSAs) of alternative features and optional BSEs called Circuit Switched Line (CSL) BSA and Circuit Switched Trunk (CST) BSA. In addition, 800 Data Base Access Service is available through the use of CST BSA - Option 2 or 3 or Feature Groups C or D, Advanced Access Screening Capability is available through the use of CST BSA - Option 3 or Feature Group D and 900 Access Service is available through the use of CST BSA - Option 1, 2 or 3 or Feature Groups B, C or D.

The arrangements are differentiated by their technical characteristics, e.g. line side vs. trunk side connection at the Telephone Company entry switch, and the manner in which an end user accesses them in originating calling, e.g. with or without an access code.

(A) Feature Group Arrangements

Following is a brief description of the four Feature Group Arrangements.

(1) Feature Group A (FGA)

FGA Access, which is available to all customers, provides line side access 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 interstate communications capability. 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 communication is transported to another state. A more detailed description of FGA Access is provided in 6.2.1. following.

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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)(A) Feature Group Arrangements (Cont'd)(2) 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 non-900 Access Service 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 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.

(3) 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 or CST BSA - Option 3 End Office Switching. Existing FGC Access will be converted to Feature Group D or CST BSA - Option 3 Access when it becomes available in an end office. A more detailed description of FGC Access is provided in 6.2.3 following.

(4) 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 uniform 101XXXX access code for the customer's use in originating and terminating communications. Where Minimum Divergence Access Service is provided, the 101XXXX access code is not available. A more detailed description of FGD Access is provided in 6.2.4 following.

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

Following is a brief description of the two Basic Serving Arrangements.

(1) Circuit Switched Line (CSL)

CSL BSA Access, which is available to all customers, provides line side access 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 interstate communications capability. The customer must specify the Interexchange Carrier to which the CSL BSA service is connected or, in the alternative, specify the means by which the CSL BSA access communication is transported to another state. A more detailed description of CSL BSA is provided in 6.2.5 following.

(2) Circuit Switched Trunk (CST)

CST BSA provides trunk side access to customers in four options.

- (a) CST BSA - Option 1 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 non-900 Access Service 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 must specify the Interexchange Carrier to which the CST BSA - Option 1 service is connected or, in the alternative, specify the means by which the CST BSA - Option 1 access communication is transported to another state. A more detailed description of CST BSA - Option 1 Access is provided in 6.2.7 following.

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6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.1 Switched Access Service Arrangements and Manner of Provision  
(Cont'd)(B) Basic Serving Arrangements (Cont'd)(2) Circuit Switched Trunk (CST) Cont'd)

- (b) CST BSA - Option 2 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 CST BSA - Option 3 End Office Switching. Existing CST BSA - Option 2 Access will be converted to CST BSA - Option 3 Access when it becomes available in an end office. A more detailed description of CST BSA - Option 2 Access is provided in 6.2.8 following.
- (c) CST BSA - Option 3 Access, which is available to all customers, provides trunk side access to Telephone Company end office switches with an associated uniform 101XXXX access code for the customer's use in originating and terminating communications. Where Minimum Divergence Access Service is provided, the 101XXXX access code is not available. A more detailed description of CST BSA - Option 3 Access is provided in 6.2.9 following.
- (d) CST BSA -Option 4 Access, which is available to all customers, provides trunk side access with line treatment at the first point of switching. This option is available at suitably equipped electronic end offices. A more detailed description of CST BSA - Option 4 is provided in 6.2.10 following.

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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)(C) 800 Data Base Access Service

For purposes of administering the rules and regulations set forth in this tariff regarding the provision of 800 Database Access Service, except where otherwise specified, the term 800 Database Access Service shall include any of the following NPAs: 888, 877, 866, 855, 844, 833 and 822 as they become available to the industry. (Z)

800 Data Base Access Service is a service offering utilizing originating trunk side Switched Access Service. The service provides for the forwarding of end user dialed 800 calls to a Telephone Company Service Switching Point which will initiate a query to the data base to perform the customer identification function. The call is forwarded to the appropriate customer based on the dialed 800 number. The customer has the option of having the dialed 800 number (e.g., 800-NXX-XXXX) or, if the 800 to POTS Number Translation feature is specified, a translated ten digit POTS number (i.e., NPA-NXX-XXXX) delivered to the customer premises. (Z)

No access code is required for 800 Data Base Access Service. When an 800 call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. The customer identification will be based on 10 digits (e.g., 800-NXX-XXXX), however, for certain special use 800 NXXs, the customer identification will be based on six digits (i.e., 800-NXX). The customer identification function will be available at suitably equipped end office or access tandem switches. If the call originates from an end office not equipped to provide the customer identification function, the call will be routed to an access tandem at which the function is available. In this case, the Tandem Signaling Option will not be available for use with the 800 Data Base Access Service. Once customer identification has been established, the call will be routed to the customer. Calls originating from an end office switch not included in the customer's area of service for 800 Data Base Access Service will not be completed.

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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)(C) 800 Data Base Access Service (Cont'd)

The manner in which 800 Data Base Access Service is provided from an end office equipped with equal access capabilities (i.e., FGD or CST BSA - Option 3), all such service will be provisioned as either Feature Group B, D, CST BSA - Option 1 or CST BSA - Option 3. When 800 Data Base Access Service is provided from designated electromechanical end offices, such service will be provisioned as Feature Group C, Feature Group D, or CST BSA - Option 2 or 3. (Z)

Unless prohibited by network considerations, e.g., different dialing plans, the customer's 800 Data Base Access Service traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's other Access Service traffic of the same Switched Access Service Arrangement type or be combined in the same trunk group arrangement with the customer's 900 Access Service traffic of the same Switched Access Service Arrangement type with the following limitation. Combining 800 Data Base Access Service traffic with the customer's direct routed Switched Access Service Arrangements or 900 Access Service traffic of the same Switched Access Service Arrangement type will be allowed only when the end office is equipped to perform the customer identification function. When required by network considerations, a separate trunk group must be established for 800 Data Base Access Service.

The hoarding of toll free 800 numbers by customers is prohibited by the Federal Communications Commission. In accordance with the provisions of the Federal Communications Commission's Second Report and Order and Further Notice of Proposed Rulemaking as set forth in FCC 97-123, In the Matter of Toll Free Service Access Codes, CC Docket FCC 95-155, adopted April 4, 1997, and released April 11, 1997, the Federal Communications Commission 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 Federal Communications Commission's responsibility to promote the orderly use and allocation of toll free numbers.

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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)(C) 800 Data Base Access Service (Cont'd)

The warehousing of toll free 800 numbers by a Responsible Organization, defined as an entity responsible for the management and administration of an 800 number record in the 800 Service Management System (SMS), is prohibited by the Federal Communications Commission. In accordance with the provisions of the Federal Communications Commission's Second Report and Order and Further Notice of Proposed Rulemaking as set forth in FCC 97-123, In the matter of Toll Free Service Access Codes, CC Docket FCC 95-155, adopted April 4, 1997, and released April 11, 1997, "(1) the Federal Communications Commission has concluded that warehousing, which the Federal Communications Commission defines as Responsible Organizations, either directly or indirectly through an affiliate, reserving toll free numbers from the SMS database without having an identified toll free subscriber for whom those numbers are being reserved, is an unreasonable practice under section 201(b) of the Communications Act and is inconsistent with our obligation under section 251(e) of the Communications Act to ensure that numbers are made available on an equitable basis; and (2) If a Responsible Organization does not have an identified toll free subscriber agreeing to be billed for service associated with each toll free number reserved from the database, or if a Responsible Organization does not have an identified, billed toll free subscriber before switching a number from reserved or assigned to working status, then there is a rebuttable presumption that the Responsible Organization is warehousing numbers. Responsible Organizations that warehouse numbers will be subject to penalties."

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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)(C) 800 Data Base Access Service (Cont'd)(1) Call Handling and Destination Feature

The Call Handling and Destination Feature is available to 800 Data Base Access Service customers on an optional basis. This feature allows for the customer to create call processing logic for 800-NXX-XXXX dialed calls. In this manner the 800 Data Base Access Service can be customized to meet individual requirements. The feature may be used in combination with one or more routing options based upon customer specification and technical switch limitations.

The customer may segment the 800 calls based on the following options to choose different terminating destinations and/or multiple carriers:

(Z)

- Specific telephone number of the calling party
- Time of day
- Day of week
- Special days of the year (e.g., December 25)
- Percentage of traffic (in one percent increments)

The availability of Call Handling and Destination based on the specific telephone number of the calling party is subject to the Telephone Company's ability to obtain full 10-digit ANI of the calling party.

(2) 800 to POTS Translation Optional Feature

The 800 to POTS Translation Optional Feature allows customers to designate a 10 digit POTS telephone number to be translated from a specific 800 number to be delivered to the customer premises. If the POTS number translation feature is ordered, the customer will be unable to determine that such calls originated as 800 dialed calls unless the customer also orders the Automatic Number Identification (ANI) optional feature or BSE.

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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)(D) 900 Access Service

900 Access Service is a LATA-wide offering utilizing originating trunk side Switched Access Service. The service provides for the forwarding of end user dialed 1+900-NXX-XXXX calls to a Telephone Company switch capable of performing a customer identification function. Based on the NXX, the call is forwarded to the appropriate customer.

At the option of the customer, 900 Access Service may also be provided with the 0+900 Option. The 0+900 Option is a LATA-wide offering which provides for the forwarding of end user dialed 0+900+NXX-XXXX calls to the customer based on the dialed NXX. The 0+900 Option is only offered in conjunction with 900 Access Service. The 0+900 Option is available in serving wire centers as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION INC., TARIFF F.C.C. NO. 4.

No access code is required for 900 Access Service or the 0+900 Option. When a 1+ or 0+900-NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. For 900 Access Service, the customer identification function will be available at suitably equipped end office or access tandem switches. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to the access tandem at which the function is available. Once customer identification has been established, the call will be routed to the customer. For the 0+900 Option, the customer identification function is available only at suitably equipped equal access end office switches.

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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)(D) 900 Access Service (Cont'd)

The manner in which 900 Access Service is provisioned 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) and/or the status of the customer (i.e., MTS/WATS provider or MTS/WATS-type provider). When 900 Access Service is provided from an end office equipped with equal access capabilities (i.e., FGD or CST BSA - Option 3), all such service will be provisioned as Feature Group D or CST BSA - Option 3. When 900 Access Service is provided from an end office not equipped with equal access capabilities, such service will be provisioned in the same manner in which the customer's non-900 Switched Access Service from such end office is provisioned (i.e., as Feature Group B, Feature Group C, or CST BSA - Option 1 or 2).

The 0+900 Option is available only when combined with 900 Access Service provided with FGD or CST BSA - Option 3.

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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)(D) 900 Access Service (Cont'd)

Unless prohibited by network considerations, 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 other Access Service traffic of the same Switched Access Service Arrangement or be combined in the same trunk group arrangement with the customer's 800 Data Base Access Service traffic of the same Switched Access Service Arrangement. When required by network considerations, a separate trunk group must be established for 900 Access Service.

Calls originating from a LATA for which a customer has not ordered 900 Access Service NXX codes activated will not be completed.

The following 1+900+NXX-XXXX calls will be blocked by the Telephone Company:

- calls dialed with a 101XXXXX access code,
- calls from Inmate Service, and
- calls originating from Hotel/Motel Service with no on-premises billing system.

The following 0+900+NXX-XXXX calls will be blocked by the Telephone Company.

- calls dialed with a 101XXXXX access code,
- calls from Inmate Service, and
- calls originating to a customer that has not subscribed to the 0+900 Option.

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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)(D) 900 Access Service (Cont'd)

If a customer requests the 0+900 Option, it is the customer's responsibility to insure that 0+900 calls are provided in conjunction with the customer's credit card billing. Calls utilizing the Telephone Company's calling card and operator assisted calls, such as collect and third party billing are not permitted with the 0+900 Option.

(E) Telecommunications Relay Service (TRS) Equal Access Interconnection

TRS Equal Access Interconnection is available to TRS Carriers to interconnect with the Telephone Company to provide originating equal access to their end users. The TRS Interconnection provides trunk side access over SONET Service or Switched Access Entrance Facilities and Direct Trunked Transport Facilities from a TRS Carrier to a Telephone Company Access Tandem which enables the TRS Carrier to transfer TRS calls from an end user, to the Telephone Company's Access Tandem to reach the end user's Carrier of Choice. The Telephone Company does not provide end office local switching functions with this arrangement. The signaling protocol transmitted by the TRS Carrier is subject to the technical limitations for FGD specified in Technical Reference NPL 000258, Issue 1. The TRS Carrier shall comply with all operating, technical and service quality standards as specified in 6.2.4 for originating Feature Group D Service. The TRS Equal Access Interconnection nonrecurring charge applies per TRS Interconnection as specified in 31.6.1 (H) following.

(C)

The TRS Carrier will be billed the Entrance Facility Channel Termination or SONET Service rate and the Direct Trunked Transport Channel Mileage or SONET Service fixed and per mile rates as specified in 31.6 and 31.26. following, respectively.

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(C)

The TRS Carrier will furnish to the Telephone Company all information which the Telephone Company may require to bill Interexchange Carriers for the access provided by the Telephone Company. The TRS Carrier shall keep sufficient call detail records for IC billing and, upon request of the Telephone Company make the records available for inspection. Such information shall be furnished by the TRS Carrier in a form and according to a regular schedule mutually agreed upon between the Telephone Company and TRS Carrier.

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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)

(E) Telecommunications Relay Service (TRS) Equal Access  
Interconnection (Cont'd)

The TRS carrier shall inform Interexchange Customers seeking equal access to the TRS Carrier's switch via an access tandem(s) owned and operated by the Telephone Company, that FGD Access from the IC to the access tandem must exist or be ordered from the Telephone Company in order to receive TRS traffic

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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) Advanced Access Screening Capability

Advanced Access Screening Capability is a LATA-wide offering utilizing originating FGD or CST BSA - Option 3 Switched Access Service. The service provides for the forwarding of end user dialed 1+500-NXX-XXXX and, at the option of the customer, 0+500-NXX-XXXX calls to a Telephone Company switch capable of performing a customer identification function. Based on the NXX, the call is forwarded to the appropriate customer.

Advanced Access Screening Capability will be provided on a LATA-wide basis where available. In LATA's where Advanced Access Screening Capability is not fully deployed, Advanced Access Screening Capability will only be provided at suitably equipped end offices and/or Access Tandems in that LATA until such time as Advanced Access Screening Capability can be made available LATA-wide.

Advanced Access Screening Capability is available in serving wire centers as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION INC., TARIFF F.C.C. NO. 4.

No access code is required for Advanced Access Screening Capability. When a 1+ or 0+500+NXX-XXXX call is originated by an end user, the Telephone Company will perform the customer identification function based on the dialed digits to determine the customer location to which the call is to be routed. For Advanced Access Screening Capability, the customer identification function will be available at suitably equipped end office or access tandem switches. If the call originates from an end office switch not equipped to provide the customer identification function, the call will be routed to the access tandem at which the function is available. Once customer identification has been established, the call will be routed to the customer.

Advanced Access Screening Capability will be provisioned as Feature Group D or CST BSA - Option 3. The Tandem Signaling Option is not available for use with Advanced Access Screening Capability.

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(Cont'd)(F) Advanced Access Screening Capability (Cont'd)

Unless prohibited by network considerations, the customer's 500 Advanced Access Screening Capability traffic may, at the option of the customer, be combined in the same trunk group arrangement with the customer's other Access Service traffic of the same Switched Access Service Arrangement or be combined in the same trunk group arrangement with the customer's 900 Access Service and/or 800 Data Base Access Service traffic of the same Switched Access Service Arrangement. When required by network considerations, a separate trunk group must be established for the Advanced Access Screening Capability 500 traffic.

Call originating in a LATA where the customer has not ordered the Advanced Access Screening Capability or in an end office where the Advanced Access Screening Capability is not available will not be completed.

The following 1+500+NXX-XXXX calls will be blocked by the Telephone Company:

- calls dialed with a 101XXXX access code,
- calls from WATS Access lines,
- calls originating from Inmate Service, and
- call originating from Hotel/Motel Service.

The following 0+500+NXX-XXXX calls will be blocked by the Telephone Company

- calls dialed with a 101XXXX access code,
- calls from WATS Access lines, and
- calls originating from Inmate Service,

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(Cont'd)(G) Prepaid Calling Service Access

Prepaid Calling Service Access is an originating switched access service that enables customers to receive originating interLATA, interstate or international sent-paid traffic when end users place calls using a Prepaid Calling Service card.

The Prepaid Calling Service card is available to end users in varying dollar denominations that can be used in conjunction with Prepaid Calling Service Access to place prepaid interLATA, interstate or international sent-paid calls.

For Prepaid Calling Service Access, the customer must order Feature Group D or CST BSA - Option 3 service that is switched through the end office or access tandem serving the end office in each LATA designated by the Telephone Company as the Prepaid Calling Service Access wire center. The Prepaid Calling Service Access wire centers are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF F.C.C. NO. 4. The transport for the Prepaid Calling Service Access between the serving wire center of the customer designated premises or multiplexing node and the Prepaid Calling Service Access wire center will be provided as Direct Trunked Transport or, at the customer's option, may be provided from the access tandem which the Prepaid Calling Service Access wire center subtends as Tandem Switched Transport. (Z)

Customers requesting Prepaid Calling Service Access must have a Prepaid Calling Service billing agreement with the Telephone Company.

When the Prepaid Calling Service card is used for interLATA, interstate or international calling, the system will prompt the end user caller to identify the Carrier Identification Code (CIC) of the customer the end user wishes to have transport the call. The selection made on the initial interLATA, interstate or international call will remain the same for all subsequent uses of the Prepaid Calling Service card unless the end user chooses a different carrier at a later time. If on the initial interLATA, interstate or international call, the end user does not respond with a valid CIC of a customer participating in Prepaid Calling Service Access, a carrier will be allocated as set forth in 13.3.3 following.

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2980 Fairview Park Drive, Falls Church, VA 22042

## 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) Prepaid Calling Service Access (Cont'd)

The list of participating Prepaid Calling Service Access customers read by the Prepaid Calling Service 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 on one position, e.g., 3rd to 2nd, 2nd to 1st, etc. New Prepaid Calling Service Access customers will be placed at the bottom of the list of customers pending the next monthly update.

Calls to 500, 800, 900, 976 or 555 numbers will be blocked.

Prepaid Calling Service Access is provisioned in accordance with the technical characteristics available with Feature Group D or CST BSA - Option 3. Prepaid Calling Access Service is available with Interface Groups 2, 6 and 9 at the customer premises, multiplexing node or virtual collocation arrangement as described in Section 6.1.3(A)(1) following. These interfaces are provided with Type A Transmission Specifications.

Prepaid Calling Service card calls are delivered to the customer with unique ANI digits. Customers subscribing to Prepaid Calling Service Access must be able to recognize these unique ANI digits in order to identify Prepaid Calling Service Access calls.

Unless prohibited by technical limitations, the customer's Prepaid Calling Service Access traffic may be combined in the same trunk group arrangement with the customer's non Prepaid Calling Service Access traffic, at the customer's option.

The Feature Group D or CST BSA -Option 3 rates and charges as set forth in Section 31.6 following will apply for the Prepaid Calling Service Access. The usage measurement for Prepaid Calling Service Access will be in accordance with the regulations set forth in Section 6.7.6 following. The mileage measurement for transport provided in conjunction with Prepaid Calling Service Access will be in accordance with the mileage measurement regulations set forth in Section 6.7.11 following.

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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 (Z)  
(Cont'd)(H) Manner of Provision

Switched Access is furnished in either quantities of lines or trunks, or, for tandem switched transport, in busy hour minutes of capacity (BHMCs). FGA and CSL BSA Access are furnished on a per-line basis. FGB and CST BSA - Option 1 or 4 Access are furnished on a per trunk basis. FGC, FGD, CST BSA - Option 2 and 3 Access are furnished on a BHMC basis for tandem switched transport only. TRS Equal Access Interconnections, FGD or CST BSA - Option 3 may also be provided to customers on a per trunk basis as set forth in 5.2 preceding.

BHMCs and 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.

There are four major traffic types. These are: Originating, Terminating, Switched Data (e.g., SWITCHWAY Service Access Capability and Switched Wideband Capability) 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; Switched Data Services traffic type represents access capacity within a LATA for carrying digital traffic between the customer and the end user; and 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 FGB Access, FGC Access, FGD Access or CST BSA - Option 1, 2 or 3 Access, the customer must at a minimum specify such access capacity in terms of Originating traffic type and/or Terminating traffic type or Switched Data Services (available with FGD or CST BSA - Option 3 only). Directory Assistance traffic type is used for ordering Directory Assistance Access Service as set forth in 9. following. (Z)  
(Z)

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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) Manner of Provision (Cont'd)

Because some customers will wish to further segregate their originating FGB, FGC, FGD or CST BSA - Option 1, 2, 3 or 4 traffic into separate trunk groups or because segregation may be required by network considerations, Originating traffic type is further categorized into Domestic, 500, 800, 900, Operator, and IDDD. Domestic traffic type represents access capacity for carrying only domestic traffic other than 500, 800, 900, and Operator traffic; IDDD traffic type represents access capacity for carrying only international traffic; and, 500, 800, 900, and Operator traffic types represent access capacity for carrying, respectively, only 500, 800, 900, or Operator traffic. When ordering such types of access capacity, the FGC, FGD, CST BSA - Option 2 or 3 customer must specify Domestic, 500, 800, 900 Operator or IDDD traffic type.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.2. WATS Access Line Service

WATS Access Line Service is a type of Special Access Service that is provided for use with all Switched Access Service Arrangements except CST BSA - Option 4. WATS Access Line Service connects an end user premises with a WATS Serving Office (WSO). This service is described in 7.2.10 following.

(A) WATS Access Line Service Optional Features(1) 101XXXX Capability

This option, which is available with either originating only WATS Access Line (WAL) Service not equipped with the End Office End User Line Service Screening optional feature or with two-way WAL Service, provides the capability for the end user of such service to originate calls to Feature Group D (FGD) or CST BSA - Option 3 Switched Access Services by dialing the appropriate 101XXXX access code. These calls will be routed to the Switched Access Service customer(s) so designated which provide(s) FGD or CST BSA - Option 3 Switched Access Service to the end office (WSO) from which the WAL Service is provided. When the 101XXXX access code is used, FGD or CST BSA - Option 3 switching also provides for dialing the end-of-dialing (#) for cut-through access to the FGD or CST BSA - Option 3 customer's premises.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

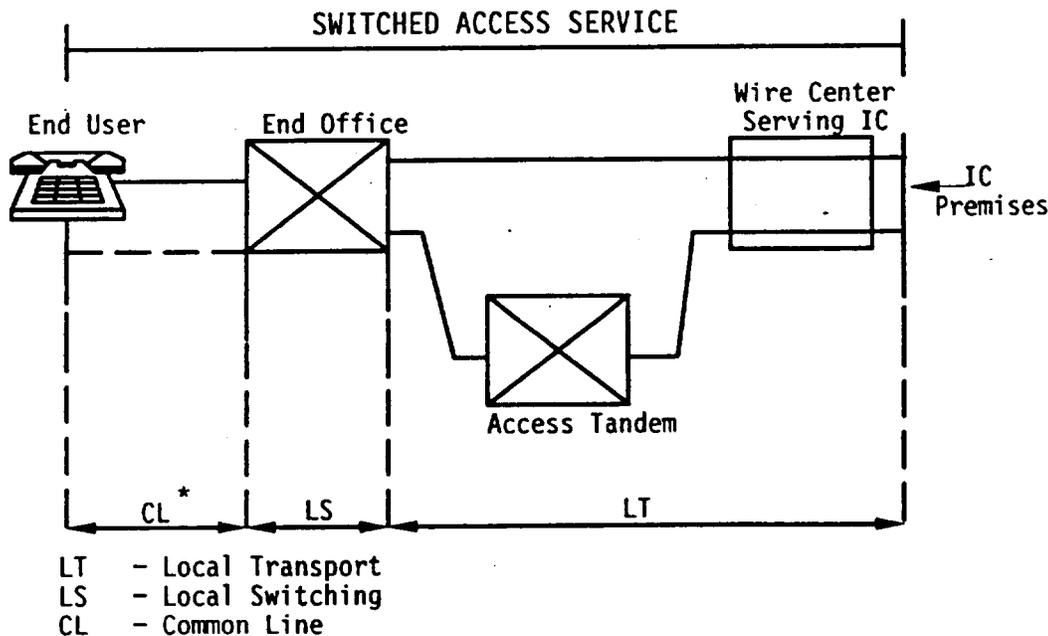
6.1.3. Rate Categories

There are three rate categories which apply to Switched Access Service: Local Transport (described in 6.1.3(A) following); Local Switching (described in 6.1.3(B) following); and Common Line (described in Sections 3. and 4. Preceding).

In addition, other charges may apply as set forth following. An Equal Access Cost Recovery rate, as set forth in 31.16 following applies to Interexchange Carriers who obtain FGD or CST BSA - Option 3 Switched Access Service. A Customer Identification Charge, as set forth in 31.6 following applies to customers who obtain 800 Data Base Access Service.

(C)

The following diagram depicts a generic view of the components of Switched Access Service and the manner in which the components are combined to provide a complete Access Service.



\*Common Line Access is provided under Sections 3. and 4. 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)

(Z)

(A) Local Transport

The Local Transport rate category provides the transmission facilities between the customer's premises, multiplexing node or virtual collocation arrangement and the end office switch(es) where the customer's traffic is switched to originate or terminate the customer's communications. For purposes of determining Local Transport Channel Mileage for dedicated transport, distance will be measured from the wire center that normally serves the customer's premises, multiplexing node or virtual collocation arrangement to either the end office switch(es) or the access tandem. Exceptions to the mileage measurement rules are set forth in 6.7.11 following.

(Z)

Local Transport is a two-way voice frequency transmission path composed of facilities specified by the customer (dedicated transport) or determined by the Telephone Company (common transport). 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, multiplexing node or virtual collocation arrangement) and in the terminating direction (from the customer's premises, multiplexing node or virtual collocation arrangement 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.

The Telephone Company will work cooperatively with the customer in determining (1) whether the service is to be directly routed to an end office switch or through an access tandem switch, (2) routed through a TOPS tandem switch, and (3) the directionality of the service. In addition, when the customer has ordered Feature Group D or CST BSA - Option 3 with the SWITCHWAY Service Access Capability and/or the 64 kbps Clear Channel Capability (64CCC) optional feature(s), as set forth in 6.3.1(W) and 6.1.3(A)(2) following, the Telephone Company will assure that these facilities are capable of supporting 56 kbps digital data or 64 kbps clear channel digital data as appropriate.

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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) Local Transport (Cont'd)

When the customer has ordered FGD or CST BSA - Option 3 with the SS7 Signaling option, as set forth in 6.1.3(A)(2)(d) following, the Telephone Company will provide the option in accordance with the technical specifications set forth in Technical Publication TR-TSV-000905 and TR-TSV-000962.

The circuits and equipment used for Local Transport may be dedicated to a single customer (dedicated transport) or used in common by multiple customers (common transport).

For dedicated transport, the customer must order or have in place an Entrance Facility from the customer premises, multiplexing node or virtual collocation arrangement to the serving wire center of the customer premises, multiplexing node or virtual collocation arrangement; or SONET Service from the customer designated premises to the serving wire center of the customer designated premises.

The customer has the option of a 2-wire Voice Grade, 4-wire Voice Grade, DS1, DS3 or IDSR Entrance Facility or a SONET Service as set forth in Section 26. following for Local Transport from the customer designated premises to the serving wire center of such customer designated premises or for Expanded Interconnection, the customer has the option of a DS1 or DS3 Entrance Facility for Local Transport from the multiplexing node or virtual collocation arrangement to the serving wire center of such multiplexing node or virtual collocation arrangement. The customer also has the option of Voice Grade, DS1, DS3 or STS1 Direct Trunked Transport from the customer's serving wire center to designated end offices or access tandems. In addition, the Local Transport rate category provides for STS1 to DS1 multiplexing optional feature as set forth in Section 26.1.6 following or DS3 to DS1 or DS1 to Voice Multiplexing Optional Features as set forth in (A)(2)(h) following.

(C)  
(C)

(TR 1293)

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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) Local Transport (Cont'd)

The Entrance Facility portion of the Local Transport rate category is comprised of a Standard Channel Termination rate or applicable SONET Service rate(s) for that portion of the voice frequency transmission path from the customer premises to the serving wire center of the customer premises.

In all states except the states of New York and Connecticut, an Office Channel Termination (OCT) Cross Connect monthly rate and nonrecurring charge will apply in lieu of the Standard Channel Termination for each Local Transport Entrance Facility terminated at an Expanded Interconnection multiplexing node. In addition, an OCT Termination Charge applies for each Office Channel Termination cross-connected to either a Telephone Company-provided POT Bay or a customer-provided, Telephone Company-maintained POT Bay at an Expanded Interconnection multiplexing node. (C)

In the states of New York and Connecticut, an OCT Cross Connect Nonrecurring Charge as set forth in Section 31.6 following will apply in lieu of the Standard Channel Termination for each Local Transport Entrance Facility terminated at an Expanded Interconnection multiplexing node. In addition, an OCT POT Bay Termination charge and OCT Cable and Frame Termination charge as described in Section 28. following also apply. (C)

In all states except the states of New York and Connecticut, a Virtual Office Channel Termination (VOCT) monthly rate and nonrecurring charge will apply in lieu of the Standard Channel Termination for each Local Transport Entrance Facility terminated at a virtual collocation arrangement.

In the states of New York and Connecticut, a VOCT Nonrecurring Charge as set forth in Section 31.6 and a VOCT Access Charge as described in Section 28. following will apply for terminating Local Transport Entrance Facilities at an Expanded Interconnection virtual collocation arrangement. (C)

Certain regulations previously found on this page can now be found on Original Page 6-28.1. (C)

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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) Local Transport (Cont'd)

The Local Transport rate category, when provided as Direct Trunked Transport (dedicated transport to an end office or access tandem), is comprised of a Channel Mileage rate. Dedicated Tandem Trunk Port rates, Host/Remote Transport rates, an Operator Passthrough charge, STS1 to DS1, DS3 to DS1 and DS1 to Voice Multiplexing charges or CCSA charges will apply, as appropriate.

(M)

The Local Transport rate category, when provided as Tandem Switched Transport (dedicated transport to an access tandem and common transport from the access tandem to the end office), is comprised of a Channel Mileage rate, Dedicated Tandem Trunk Port rates, a Local Transport Termination rate, a Local Transport Facility rate, a Tandem Switching rate, and a Transport Multiplexing rate. Host/Remote Transport rates, an Operator Passthrough charge or CCSA charges will apply as appropriate.

The Local Transport rate category is also comprised of an Interconnection Charge which provides for interconnection with the Telephone Company Switched Access network.

The Direct Trunked Transport Channel Mileage rate provides for that portion of the voice frequency transmission path from the serving wire center of the customer premises or multiplexing node directly to an end office or an access tandem or for that portion of the voice frequency transmission path from the wire center with SONET multiplexing capability to an end office or access tandem, as applicable.

(M)

Regulations on this page formerly appeared on 2<sup>nd</sup> Revised Page 6-28.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)

The Dedicated Tandem Trunk Port rate provides for the termination of a voice frequency transmission path into the serving wire center side of an access tandem.

(M)  
(M)  
(M)

The Local Transport Termination rate provides for the termination of the voice frequency transmission path at the end office switch or the access tandem for traffic that is switched at an access tandem. The Local Transport Termination rate also provides for the termination of the voice frequency transmission path at a host end office.

The Host/Remote Transport Termination rate provides for the termination of the voice frequency transmission path at a remote switching system (RSS) or a remote switching module (RSM).

The Local Transport Facility rate provides for that portion of the voice frequency transmission path between the end office and the access tandem.

The Host/Remote Transport Facility rate provides for that portion of the voice frequency transmission path between a host end office and a remote switching system (RSS) or remote switching module (RSM).

The Local Transport Tandem Switching rate provides for the use of the Telephone Company tandem switching facilities.

The Transport Multiplexing rate provides for the use of common DS3 to DS1 multiplexers in the end office side of an access tandem for traffic that is switched at an access tandem and/or FGA or CSL BSA traffic.

At the customer's option, multiplexing functions may be performed at the serving wire center of the customer premises, a wire center with SONET multiplexing capability, multiplexing node or virtual collocation arrangement or at a Terminus, Intermediate or Super-Intermediate Hub. Channel Mileage rates and a Mid-Link nonrecurring charge will apply if multiplexing functions are performed between two Telephone Company Hubs.

(C)  
(C)

Certain regulations on this page formerly appeared on 1<sup>st</sup> Revised Page 6-28.

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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) Local Transport (Cont'd)

When the customer orders a DS3 or IDSR Entrance Facility with DS3 Direct Trunked Transport to an end office or access tandem, the customer must order the DS3 to DS1 Multiplexing Optional Feature at the end office or access tandem. (C)

When the customer orders an ISSP STS1 as its Direct Trunked Transport to an end office or access tandem, the customer must order the STS1 to DS1 Multiplexing Optional Feature at the end office or access tandem. ISSP STS1 service and multiplexing is set forth in Section 26.1.6 following.

Local Transport and the CCSA option are provided at the rates and charges set forth in 31.6 following. The Operator Passthrough charge is set forth in 31.8 following. The application of these rates is as set forth in 6.7.1(D), 6.7.1(E), 6.7.1(F) and 8.2.3 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)(A) Local Transport (Cont'd)

CCSA is comprised of a STP Link Termination rate, a STP Link Transport rate and a STP Port rate. The STP Port rate is described in (B) Local Switching following.

The STP Link Termination rate provides for the connection from the customer designated premises to the serving wire center.

The STP Link Transport rate provides for the transmission facilities between the serving wire center of the customer designated premises and the Telephone Company STP.

Notwithstanding the first paragraph of this section 6.1.3(A), the Local Transport mileage for FGB, FGC, FGD or CST BSA - Option 1, 2, or 3 access minutes which originate from or terminate to a WATS Access Line Service, except as set forth following, will be calculated in accordance with 6.7.11(E) 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) Local Transport (Cont'd)(1) Interface Groups

Seven Interface Groups are provided for terminating the Local Transport at the customer's premises and two Interface Groups are provided for terminating the Local Transport at the customer's multiplexing node or virtual collocation arrangement. Each Interface Group provides a specified premises interface determined by the type of entrance facility specified by the customer (e.g., two-wire Voice Grade, four-wire Voice Grade, DS1, DS3, IDSR). Where transmission facilities permit, the individual transmission path between the customer's premises, multiplexing node or virtual collocation arrangement and the first point of switching may, at the option of the customer, be provided with optional features as set forth in (2)(a), (b) and (c) 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) Local Transport (Cont'd)(1) Interface Groups (Cont'd)

As a result of the customer's access order and the type of entrance 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 may require that Telephone Company equipment be placed at the customer's premises. For example, if a voice frequency entrance facility 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 entrance facility ordered by the customer. For Expanded Interconnection, such equipment will be placed in Telephone Company space within the serving wire center, access tandem or remote node that serves the multiplexing node or virtual collocation arrangement.

Technical Publication TR-NWT-000334 provides compatibility and interface requirements for using SWITCHWAY Service Access Capability in conjunction with FGD or CST BSA - Option 3.

Compatibility and interface requirements for using Switched Access Interface Group 9 are in accordance with the guidelines set forth in Technical Reference GR-342, Issue 1.

(C)(x)

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2, 6, 7\* and 9 are provided with Type A or B Transmission Specifications, depending on the Switched Access Service Arrangement and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

\* New England Telephone only

(x) Replaces technical publication TR-INS-000342 in its entirety.

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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) Local Transport (Cont'd)(1) Interface Groups (Cont'd)

Only certain premises interfaces are available at the customer's premises, multiplexing node or virtual collocation arrangement. The premises interfaces associated with the Interface Groups may vary among Switched Access Service Arrangements. The various premises interfaces which are available with the Interface Groups, and the Switched Access Service Arrangements with which they may be used, are set forth in (1)(f) following.

(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, FGD or CST BSA - Option 2 or 3 when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with FGB, FGC, FGD or CST BSA - Option 1, 2, 3 or 4 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.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(a) Interface Group 1 (USOC TPP1X) (Cont'd)

The interface is provided with loop supervisory signaling. When the interface is associated with FGA or CSL BSA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD, CST BSA - Option 1, 2, 3 or terminating CST BSA - Option 4 with DNIS on 800, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. Interface Group 1 is not available with SONET Service.

(C)

(C)

(b) Interface Group 2 (USOC TTP2X)

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.

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 of 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 or CSL BSA, such signaling will be loop start or ground start signaling. When the interface is associated with FGB, FGC, FGD or CST BSA - Option 1, 2, 3 or terminating CST BSA - Option 4 with DNIS on 800, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling.

Interface Group 2 is not available with SONET Service.

(C)

(TR 1189)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(c) Interface Group 6 (USOC TPP6X)

Interface Group 6 provides DS1 level digital transmission at the point of termination at the customer's premises, multiplexing node or virtual collocation arrangement. 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.

Interface Group 6 is not available with IntelliLight® Entrance Loop as set forth in Section 26.1.4 following.

(N)

(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)

(Z)

(A) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(d) Interface Group 7 (USOC TPP7X)\*

Interface Group 7 provides DS1C level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 3.152 Mbps, with the capability to channelize up to 48 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 up to 48 voice frequency 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, DS1 signals in D3/D4 format.

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

Interface Group 7 is not available with SONET Service.

(N)

\* New England Telephone only.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(e) Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises, multiplexing node or virtual collocation arrangement. The interface is capable of transmitting electrical or optical signals at a nominal 44.736 Mbps, with the capability to channelize up to 28 DS1 transmission paths or up to 672 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 up to 672 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, DS1 signals in D3/D4 format.

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

Interface Group 9 is not available with IntelliLight® Shared Assurance Network service as set forth in Section 26.1.3 following.

(N)

(N)

(N)

(TR 1189)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)

(1) Interface Groups (Cont'd)

(f) Synchronous Transport Signal Level 1 (STS-1) (USOC TPPZS)

(N)

A synchronous Transport Signal Level 1 (STS-1) Interface provides a 51.84 Mbps signal that is the electrical equivalent of the SONET OC-1 signal. The interface is capable of transmitting electrical signals at DS3 (44.736 Mbps), with the capability to channelize up to 28 DS1 transmission paths or up to 672 voice frequency transmission paths.

The interface will only be available in Telephone Company end offices and access tandems that have been designated as Intermediate Hubs and are equipped with the STS-1 capable digital cross connect systems.

The STS-1 Interface Group is not available with IntelliLight® Shared Assurance Network service as set forth in Section 26.1.3 following.

(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)

(Z)

(A) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(g) Interface Group 12 (USOC TPPDX)

(N)

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

155.52 Mbps (OC-3)	+/-20 ppm*
622.080 Mbps (OC-12)	+/-20 ppm*
2.488 Gbps (OC-48)	+/-20 ppm*

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 DS3 transport is utilized, the customer must order the DS3 to DS1 Multiplexing Optional Feature. 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 for equivalent DS3 channel.

Before the first point of switching when digital switching, or analog switching with digital carrier terminations is provided and DS3 transport is utilized, the customer must order the DS3 to DS1 Multiplexing optional feature to derive up to 28 DS1 transmission paths in D3/D4 format for each equivalent DS3 channel.

(N)

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Rate Categories (Cont'd)

(Z)

(A) Local Transport (Cont'd)

(1) Interface Groups (Cont'd)

(f) 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 Switched Access Service Arrangement. For explanations of these codes, see the Glossary of Channel Interface Codes in 7.3.1 following.

Interface Group	Telephone Company Switched Supervisory Signaling	Premises Interface Code	BSA			
			CSL	CST - Option		
				1	2	3
			or			
			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			
	LO, GO	6EB3-E	X			
	LO, GO	6EB3-M	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	2RV3-0		X	X	X
	RV	2RV3-T		X	X	X
	CCS	2NO2				X

(Z)

(Z)

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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) Local Transport (Cont'd)

(1) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Switched Supervisory Signaling	Premises Interface Code	BSA			
			CSL	CST - Option		
			A	B	C	D
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			
	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	
	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	
	CCS	4NO2				X

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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) Local Transport (Cont'd)

(1) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	BSA			
			CSL CST - Option			Feature Group
			1	2	3	
A	B	C	D			
6	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L		X	X	X
	CCS	4DS9-1S				X
	CCS	4DS9-15				X
	CCS	4DS9-15B				X
	CCS	4DS9-15K				X
	CCS	4DS9-15S				X
7*	LO, GO	4DS9-15	X			
	LO, GO	4DS9-15L	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	RV, EA, EB, EC	4DS9-15L	X	X	X	
9	LO, GO	4DS6-44	X			
	LO, GO	4DS6-44L	X			
	RV, EA, EB, EC	4DS6-44		X	X	X
	RV, EA, EB, EC	4DS6-44L		X	X	X
	CCS	4DS6-44				X

\* New England Telephone only

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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) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(g) CCSA Signaling Connection Premises Interface Codes

The SS7 signaling option is provided with FGD or CST BSA - Option 3. These trunks may be provided using Interface Groups 1, 2, 6, 9, 12 and STS-1. CCSA signaling connections are provided using Interface Groups 6 and 9. Following is a matrix for Interface Groups 6 and 9 showing which premises interface codes are available for signaling connections as a function of CCSA level of digital transmission.

<u>Interface Group</u>	<u>Level of Transmission</u>	<u>Premises Interface Code</u>
6	DS1	04DS9-1S
6	DS1	04DS9-15
9	DS3	04DS6-44

Certain regulations previously found on this page can now be found on Original Page 6-42.1.

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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) Local Transport (Cont'd)(1) Interface Groups (Cont'd)(h) Optical Switched Access Service DS3 Premises Interface Codes

The Optical Switched Access Service DS3 Entrance Facility is provided for use with all Feature Group Arrangements or Basic Serving Arrangements with an Interface Group 9. The following interface codes are available for signaling connections as a function of the optical transmission.

<u>Interface Group</u>	<u>Level of Transmission</u>	<u>Premises Interface Code</u>	
9	135 Mbps	04FCF-13	
9	405 Mbps	04FCF-40	
9	560 Mbps	04FCF-54	
6, 9, 12 or STS-1	155.520 Mbps	02SOF.B,D,F 04SOF.B,D,F 04SMF.A03,A3,A12,A21,B	(S)(x) (S)(x) (C)(y)
9, 12 or STS-1	622.080 Mbps	02SOF.B,D,F 04SOF.B,D,F 04SMF.AC,B9,C6,E	(S)(x) (S)(x) (C)(y)
9, 12 or STS-1	2.488 Gbps	02SOF.B,D,F 04SOF.B,D,F 04SMF.AF,EE,FD,GC,H	(S)(x) (S)(x) (C)(y)

(x) Material scheduled to become effective September 28, 1999 under Transmittal No. 1189.

(y) Issued under authority of Special Permission No. 99-169 of the Federal Communications Commission.

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

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

(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,  
E&M Type I Supervisory Signaling,  
E&M Type II Supervisory Signaling, or  
E&M Type III Supervisory Signaling

## - For Interface Group 2

SF Supervisory Signaling, or  
Tandem Supervisory Signaling

## - For Interface Groups 6, 7\* and 9

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.

\* New England Telephone only

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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) Local Transport (Cont'd)(2) Optional Features (Cont'd)(a) Supervisory Signaling (Cont'd)

These optional supervisory signaling arrangements are not available in combination with the SS7 signaling option as specified in 6.1.3(A)(2)(d) following.

(b) Customer Specified Entry Switch Receive Level

This feature allows the customer to specify the receive transmission level at the first point of switching. The range of transmission levels which may be specified is described in Technical Reference TR-NWT-000334. This feature is available with Interface Groups 2, 6, 7\* and 9 for Feature Groups A and B or CSL BSA and CST BSA - Option 1.

(c) Customer Specification of Local Transport Termination

This option allows the customer to specify, for FGB or CST BSA - Option 1 routed directly to an end office or access tandem, a four-wire termination of the Local Transport at the entry switch in lieu of a Telephone Company selected two-wire termination.

This option is available only when the FGB or CST BSA - Option 1 arrangement is provided with Type B Transmission Specifications.

(d) Signaling System 7 (SS7) Signaling Option

This option allows the customer to receive signals for call set-up out of band. This option is available with FGD or CST BSA - Option 3.

Charge Number (CN), Carrier Selection Parameter (CSP), Calling Party Number (CPN) and Access Transport Parameter (ATP) features are provided with the SS7 Signaling Option. In addition, Carrier Identification Parameter (CIP) is also available as a chargeable optional feature. A description of these features is set forth in 6.3.4 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) Local Transport (Cont'd)(2) Optional Features (Cont'd)(e) Common Channel Signaling Access (CCSA)

This option provides interconnection to the Telephone Company Common Channel Signaling network using a dedicated Signal Transfer Point (STP) Link and a dedicated STP Port. The STP Link provides the connection from the customer designated premises to the Telephone Company STP. The STP Link is dedicated to the customer.

Each CCSA STP Link provides for two-way digital transmission at a speed of 56 kbps. The connection to the Telephone Company STP can be made from either the customer's Signaling Point (SP) which requires two 56 kbps circuits or from the customer's STP which requires four 56 kbps circuits. The design requirements for CCSA STP Links are described in Technical Publication TR-TSV-000905.

The STP locations are set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. Where multiple STP pairs are deployed in a LATA, Telephone Company end offices or tandems are interconnected to only one STP pair. The customer must route terminating traffic to the STP pair that serves the end office or tandem switch where the call is terminated. The customer may request that all of its terminating traffic in a LATA be routed to a single STP pair, using the Telephone Company's SS7 signaling network to provide the connection to the other STP pair in the LATA. If available capacity exists within the Telephone Company SS7 signaling network and where technically feasible, the Telephone Company and the customer will mutually agree to the customer's use of a single STP pair in the LATA. In the event that the Telephone Company SS7 signaling network may be impaired as a result of changes in traffic requirements, the customer will then be notified that its use of a single STP pair in the LATA is no longer permitted and that it must use CCSA links to each STP pair in the LATA.

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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) Local Transport (Cont'd)

(2) Optional Features (Cont'd)

(e) Common Channel Signaling Access (CCSA) (Cont'd)

Subject to the provisions of 2.1.4, the Telephone Company will make every reasonable effort to provide CCSA, under normal business conditions, within 18 months from receiving the customer's request at locations listed in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

Shared Use Arrangements as specified in Section 5.2.7 preceding may also be provided.

Interconnection to the Telephone Company Common Channel Signaling network for incidental interLATA SS7 signaling is available as specified in Section 29.1 following. (N)  
(N)  
(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)(A) Local Transport (Cont'd)(2) Optional Features (Cont'd)(f) Coin Sent-Paid Capability

Coin sent-paid capability allows the customer to receive signals for coin sent-paid traffic. This option requires the use of Exchange Access Operator Services Signaling (EAOSS) and/or Modified Operator Services Signaling (MOSS). Coin sent-paid capability access is provided direct to suitably equipped Telephone Company end offices or via tandem access at the TOPS tandem switches and is available with Feature Group D or CST BSA - Option 3.

Technical specifications for EAOSS and MOSS signaling are as set forth in the Bell Communications Research Technical Publication TR-TSY-000530. Technical specifications for EAOSS are as set forth in Bell Communications Research Technical Publication TR-TSY-000271, Sections 6.5.4.2 and 6.5.4.3. Technical specifications for MOSS are as set forth in Bell Communications Research Technical Publication TR-NPL-000258, Sections 3.6 and 6.

(g) 64 kbps Clear Channel Capability (64CCC)

64CCC provides a Bipolar with Eight Zero substitution (B8ZS) encoding technique that allows a customer to transport voice or data signals over a 64 kbps channel with no constraint on the quantity or sequence or ones (mark) and zero (space) bits. The derived 64 kbps clear channels support superframe (SF) or extended superframe (ESF) formatting. 64CCC is a nonchargeable option available with Feature Group D or CST BSA - Option 3 when ordered with the SS7 Signaling Option. This optional feature requires the use of Interface Group 6 or 9 and is required for originating or terminating 64 kbps calls to an Integrated Services Digital Network (ISDN). 64CCC is available in suitably equipped electronic end offices as specified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(A) Local Transport (Cont'd)(2) Optional Features (Cont'd)(h) Multiplexing

The Local Transport multiplexing optional feature allows for a DS3 facility to be channelized into 28 DS1 services or for a DS1 facility to be channelized into 24 Voice Grade or Voice Grade equivalent services. Multiplexing is available at the serving wire center of the customer premises, multiplexing node or virtual collocation arrangement, at designated Hub locations as identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, at end offices or at Telephone Company access tandems.

DS1 to Voice multiplexing is not available at end offices.

STS1 to DS1 multiplexing as set forth in Section 26.1.6 following allows for an ISSP STS1 to be channelized to 28 DS1 services. STS1 to DS1 multiplexing is provided at designated Telephone Company Hubs with SONET multiplexing capability.

(N)

(N)

(i) Tandem Signaling

The Local Transport Tandem Signaling Option delivers to Tandem Switching Providers the Carrier Identification Code and signaling information digits necessary to identify each access call routed to the tandem switching provider's location, by customer and call type, when the Tandem Switching Provider's service is used to route multi-FGD or multi-CST BSA - Option 3 customer traffic. The Tandem Signaling Option is only available with Direct Trunked Transport from an end office to the serving wire center of the Tandem Switching Provider's point of interface. This option is provided over Direct Trunked Transport arrangements with originating FGD or CST BSA - Option 3 trunks with either MF or SS7 Signaling. MF signaling with the Tandem Signaling Option is provided subject to the specifications in TR-NWT-000506 and TR-TSY-000540. SS7 Signaling with the Tandem Signaling Option is provided subject to the specifications in GR-317-CORE, GR-394-CORE and TR-TSV-000905. The Tandem Signaling Option is not available with terminating or two-way trunks. It is not available from end offices where Minimum Divergence Access Service is provided or in designated electromechanical end offices.

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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) Local Transport (Cont'd)(2) Optional Features (Cont'd)(j) Switched Wideband Capability\*

Switched Wideband Capability allows a customer to transport data signals at bandwidths from 128 kbps to 1.536 Mbps in increments of  $n \times 64$  kbps, where N represents a number of trunks from two to twenty-four. Switched Wideband Capability is a nonchargeable option available only with Feature Group D or CST BSA - Option 3. This option requires the use of Interface Group 6 or 9 in conjunction with the SS7 Signaling and 64 kbps Clear Channel Capability options to originate and terminate wideband calls. Switched Wideband Capability is available from suitably equipped end offices and access tandems as identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

At the time of ordering, the customer must specify a channel assignment scheme for occupying time slots in the interface group. The channel assignment scheme may be fixed, floating or flexible. The fixed scheme requires that the selected 64 kbps channels be contiguous and occupy specific time slots in the interface group. The floating scheme requires that the selected 64 kbps channels be contiguous, but may occupy any available contiguous time slots in the interface group. The flexible scheme allows the selected 64 kbps channels to occupy any available noncontiguous time slots in the interface group as long as the individual channel order is maintained.

Technical specifications for Switched Wideband Capability are set forth in Technical Publication TR-NWT-001203.

\* New York Telephone only.

(TR 1126)

## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.1 General (Cont'd)6.1.3 Rate Categories (Cont'd)(B) Local Switching

The Local Switching rate category provides the functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The functions included are:

- Local end office switching, i.e., the common switching functions associated with the various Switched Access Service arrangements;
- The line or trunk side arrangements which terminate the Local Transport facilities at end offices;
- Intercept, i.e., the termination of a call at a Telephone Company Intercept operator or recording; and
- The terminations for end user lines (common lines and WATS Access Lines) terminating in the end office.

The WATS Access Line Service Terminations are differentiated by line side vs. trunk side terminations. The standard WATS Access Line Service arrangement is available with a line side termination. There are various types of line side terminations depending on the type of signaling associated with the WATS Access Line, i.e., loop start or ground start. Line side terminations are available with either dial pulse or dual tone multifrequency address signaling.

In addition, there are also various types of WATS Access Line Service trunk side terminations that are available in lieu of standard line side terminations. Trunk side terminations are provided only in association with certain WATS Access Line Service Termination optional features.

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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) Local Switching (Cont'd)

The Local Switching rate category includes monthly rates, usage rates, chargeable and nonchargeable optional features, and Basic Service Elements. (Z)

The premium usage rates for Switched Access Service Arrangements are divided into two categories. For Feature Group Switched Access Service Arrangements, the categories are LS1 and LS2. For BSA Switched Access Service Arrangements, the categories are LS1-BSA and LS2-BSA.

LS1 provides local dial switching for Feature Groups A and B, except for FGA and FGB used to terminate traffic to a WATS Access Line (WAL), provided from an equal access end office and for FGB when utilized to provide MTS/WATS service.

LS2 provides local dial switching for Feature Groups C and D, for FGA and FGB used to terminate traffic to a WAL provided from an equal access end office, for Feature Group B utilized to provide MTS/WATS service.

LS1-BSA provides local dial switching for CSL BSA and CST BSA - Option 1, except for CSL BSA and CST BSA - Option 1 used to terminate traffic to a WATS Access Line (WAL), provided from an equal access end office and for CST BSA - Option 1 when utilized to provide MTS/WATS service.

LS2-BSA provides local dial switching for CST BSA - Option 2, 3 and 4 for CSL BSA and CST BSA - Option 1 used to terminate traffic to a WAL provided from an equal access end office, for CST BSA - Option 1 utilized to provide MTS/WATS service.

The Shared End Office Trunk Port provides for the termination of Tandem Switched Transport and/or FGA or CSL BSA access minutes at an end office. Access minutes for all Switched Access Service subject to the Shared End Office Trunk Port will be multiplied by the per minute rate set forth in 31.6 following.

The STP Port rate provides for the point of termination to the signal switching capability of the STP. The STP provides the customer access to the Telephone Company SS7 Network and is dedicated to the customer. The STP Port rate applies on a per month basis.

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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) Local Switching (Cont'd)

The Dedicated End Office Trunk Port provides for the termination of Direct Trunked Transport trunks at an end office. The Dedicated End Office Trunk Port rate, set forth in 31.6 following, applies per activated trunk for all trunkside services terminating at either analog or digital end offices.

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2 local dial switching or Feature Groups C and D, and LS2-BSA local dial switching for CST BSA - Option 2 and 3. 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, FGD or CST BSA - Option 2 or 3 equipped end office.

Rates for LS1, LS2, LS1-BSA and LS2-BSA are set forth in 31.6 following. The application of these rates with respect to individual Switched Access Service Arrangements is as set forth in 6.7.1(D) following.

Various Common Switching optional features and BSEs and Transport Termination and WATS Access Line Service Termination optional features are available and are described in 6.3 following.

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## 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 for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) 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, cooperatively test, at the time of installation, the following parameters: loss, C-notched noise, C-message noise, 3-tone slope, d.c. continuity and operational signaling. When the Local Transport is provided with Interface Groups 2, 6, 7\* and 9, and the Transport Termination is two-wire (i.e., there is a four-wire to two-wire conversion in Local Transport), balance parameters (equal level echo path loss) may also be tested.

6.1.7 Ordering Options and Conditions

Switched Access Service is ordered under the Access Order provisions set forth in Section 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.)

\* New England Telephone only

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.8 CCSA and SS7 Signaling Option Testing Requirements

When CCSA and/or the SS7 signaling option with FGD or CST BSA - Option 3 is ordered, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer. These tests will verify the capabilities as set forth in the Technical Publication TR-TSV-000905 and TR-TSV-000962.

6.1.9 Switched Wideband Capability Testing Requirements

When Switched Wideband Capability is ordered for use with the SS7 signaling and 64 kbps Clear Channel Capability options, network compatibility and other operational tests will be performed cooperatively by the Telephone Company and the customer. These tests will verify the capabilities as set forth in the Technical Publication TR-NWT-001357.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service

Switched Access Service is provided in four bundled Feature Group arrangements or in two unbundled Basic Serving Arrangements. The provision of each Feature Group or BSA requires Local Switching and Local Transport facilities and the appropriate Local Switching functions. In addition, WATS Access Line Service as described in 7.2.10 following may, at the option of the customer, be provided for use with all Switched Access Service Arrangements.

There are also various Local Transport and Local Switching optional features available with the Feature Groups. Unless specifically stated otherwise, these optional features are available at all Telephone Company end office switches with the following exceptions. WATS Access Line Service Termination optional features are available only in end offices designated as WATS serving offices.

There are also various Local Transport and Local Switching optional features and BSEs available with a BSA. Unless specifically stated otherwise, these BSEs and optional features are available at all Telephone Company end office switches with the following exceptions. WATS Access Line Service Termination optional features and BSEs are available only in end offices designated as WATS serving offices.

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Switched Access Service Arrangements. 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 6.4.1 following.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)

Switched Access Service Arrangements are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises, multiplexing node or virtual collocation arrangement. Terminating calling permits the delivery of calls from the customer's premises, multiplexing node or virtual collocation arrangement to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. For Direct Trunked Transport the Telephone Company will work cooperatively with the customer to determine the directionality required.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)

Following are detailed descriptions of each of the available Switched Access Service Arrangements, Entrance Facilities and Direct Trunked Transport.

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.

Each BSA is described in terms of its specific physical characteristics and calling patterns, the transmission specifications with which it is provided, the optional features and BSEs available for use with it, and the standard testing capabilities.

Each type of Entrance Facility and Direct Trunked Transport is described in terms of its specific physical characteristics, the transmission specifications with which it is provided and the capacity of transmission paths which may be carried over it.

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 Telephone Company shall select the first point of switching where Telephone Company facilities and measurement capabilities exist, within the selected LATA, at which the line side termination is to be provided. Where the customer requests a different first point of switching within the selected LATA, the Telephone Company will accommodate such a request if Telephone Company facilities and measurement capabilities are available. (Z)
- (4) A seven digit local telephone number assigned by the Telephone Company is provided for access to FGA switching in the originating direction. The seven digit local telephone number will be associated with the selected end office switch and is of the form NXX-XXXX.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

## (4) (Cont'd)

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

(5) FGA switching, when used in the terminating direction, is arranged with dial tone start-dial signaling. When used in the terminating direction FGA switching may, at the option of the customer, be arranged for dial pulse or dual tone multifrequency address signaling, subject to availability of equipment at the first point of switching. When FGA switching is provided in a hunt group or uniform call distribution arrangement, all FGA switching will be arranged for the same type of address signaling.

(6) No address signaling is provided by the Telephone Company when FGA Switching is used in the originating direction. Address signaling in such cases, if required by the customer, must be provided by the customer's end user using 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 (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(A) Description (Cont'd)

- (7) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), Directory Assistance (411 where available and 555-1212), emergency reporting service (911 where available), exchange telephone repair (611 where available), time or weather announcement services of the Telephone Company, community information services of an information service provider, and other customers' services (by dialing the appropriate digits). Charges for FGA terminating calls requiring operator assistance or calls to 611 or 911 will only apply where sufficient call details are available. Additional non-access charges will also be billed on a separate account for (1) an operator surcharge, as set forth in the local exchange tariffs, for local operator assistance (0- and 0+) calls and, (2) calls from a 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 and Directory Access Service per call rates as set forth in 31.9 following.
- (8) When a FGA switching arrangement for an individual customer (a single line or entire hunt group) is discontinued at an end office, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
- (9) When a WAL Service is provided in conjunction with a FGA Switched Access Service, the customer will be provided with Routing of IntraLATA Calls to the Telephone Company for Use with WATS Access Line Service option.

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

- (a) Hunt Group Arrangement
- (b) Uniform Call Distribution Arrangement
- (c) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement
- (d) Call Denial
- (e) Service Code Denial
- (f) Hunt Group Arrangement for Use with WATS Access Line Service
- (g) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (h) Nonhunting Number for Use with Hunt Group Arrangement for Use with WATS Access Line Service

(2) Transport Termination Optional Features

- (a) Two-way operation with dial pulse address signaling and loop start supervisory signaling
- (b) Two-way operation with dial pulse address signaling and ground start supervisory signaling
- (c) Two-way operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (d) Two-way operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (e) Terminating operation with dial pulse address signaling and loop start supervisory signaling
- (f) Terminating operation with dial pulse address signaling and ground start supervisory signaling

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(B) Optional Features (Cont'd)(2) Transport Termination Optional Features (Cont'd)

- (g) Terminating operation with dual tone multifrequency address signaling and loop start supervisory signaling
- (h) Terminating operation with dual tone multifrequency address signaling and ground start supervisory signaling
- (i) Originating operation with loop start supervisory signaling
- (j) Originating operation with ground start supervisory signaling

(2) Local Transport Optional Features

- (a) Supervisory Signaling (as set forth in 6.1.3(A)(2) preceding)
- (b) Customer Specified Entry Switch Receive Level

## (3) 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:

- Custom Calling Services
- Terminating Number Screening\*
- 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, 7\* and 9. Type DB Data Transmission Parameters are provided with FGA to the first point of switching.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.1 Feature Group A (FGA) (Cont'd)(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 13.3.5 following.

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) FGB is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment is provided with wink start start-pulsing signals and answer and disconnect supervisory signaling.
- (3) FGB switching is provided with multifrequency address signaling in both the originating and terminating directions. 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 (Cont'd)

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

(A) Description (Cont'd)

- (4) The access code for non-900 Access Service FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX for carriers. These uniform access codes will be the assigned access numbers of all non-900 Access Service FGB Switched Access Service provided to the customer by the Telephone Company. No access code is required for FGB Switching used to provide 900 Access Service. The telephone number dialed by the customer's end user is in the form 1+900+NXX-XXXX.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(A) Description (Cont'd)

- (5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. 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 950-XXXX access codes, 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, D or CST BSA - Option 1, 2 or 3.

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6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(A) Description (Cont'd)

- (6) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGB switching is provided. When required by technical limitations or network considerations, a separate trunk group will be established for each type of FGB switching arrangement provided. Different types of FGB or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.
- (7) When all FGB switching arrangements are discontinued at an end office and/or in a LATA, an intercept announcement is provided. This arrangement provides, for a limited period of time, an announcement that the service associated with the number dialed has been disconnected.
- (8) When a WAL Service is provided in conjunction with a FGB Switched Access Service, the customer will be provided with the Routing of IntraLATA calls to the Telephone Company for Use with WATS Access Line Service option.

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6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Up to 7 Digit Outpulsing of Access Digits to Customer
- (c) Alternative Traffic Routing
- (d) Hunt Group Arrangement for Use with WATS Access Line Service
- (e) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (f) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (g) Multiple Trunk Routing

(2) Transport Termination Optional Features

- (a) Rotary Dial Station Signaling

(3) Local Transport Optional Features

- (a) Customer Specification of Local Transport Termination
- (b) Supervisory Signaling (as set forth in 6.1.3(A)(2)(a) preceding)
- (c) Customer Specified Entry Switch Receive Level

(4) WATS Access Line Service Termination Optional Features

- (a) E&M Supervisory Signaling
- (b) Answer Supervision

- (5) Another feature, Terminating Number Screening\*, which may be available, in connection with FGB, is provided under the Telephone Company's local and/or general exchange service tariffs.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.2 Feature Group B (FGB) (Cont'd)

## (C) Transmission Specifications

FGB is provided with either Type B or Type C Transmission Specifications. The specifications for the associated parameters are guaranteed to the end office when routed directly or to the first point of switching when routed via an access tandem. Type C Transmission Specifications are provided with Interface Group 1 and Type B is provided with Interface Groups 2, 6, 7\* and 9. 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 13.3.5 following.

(S)(x)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'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 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 or CST BSA - Option 3 end office switching is provided in the same office. When FGD or CST BSA - Option 3 switching is available, FGC switching will not be provided.
- (2) 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.
- (3) FGC is provided with multifrequency address signaling except in certain electromechanical end office switches where multifrequency signaling is not available. In such switches, the address signaling will be dial pulse, revertive pulse, immediate dial pulse or panel call indicator signaling, 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 Local Transport provided. (Z)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(A) Description (Cont'd)

- (4) No access code is required for FGC switching. The telephone number dialed by the customer's end user shall be a seven to eleven 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.
- (5) 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 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 offices subtending the access tandem may be accessed. 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 950-XXXX access codes, 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 and 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, D or CST BSA - Option 1, 2 or 3.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(A) Description (Cont'd)

- (6) 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.

(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address Signaling
- (d) Revertive Pulse Address Signaling
- (e) Delay Dial Start-Pulse Signaling
- (f) Immediate Dial Pulse Address Signaling
- (g) Panel Call Indicator Address Signaling
- (h) Alternative Traffic Routing
- (i) End Office End User Line Service Screening for Use with WATS Access Line Service
- (j) Hunt Group Arrangement for Use with WATS Access Line Service
- (k) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (l) Nonhunting Number for Use with Hunt Group Arrangement or
- (m) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (n) Band Advance Arrangement for Use with WATS Access Line Service
- (o) Multiple Trunk Routing

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service (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.)

(b) Operator Trunk-Full Feature

(3) Local Transport Optional Features

(a) Supervisory Signaling (as set forth in 6.1.3(A)(2)(a) preceding)

(4) WATS Access Line Service Termination Optional Features

(a) E&M Supervisory Signaling

(b) Answer Supervision

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)(C) Transmission Specifications

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

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

Type C Transmission Specifications are provided with Interface Group 1 when routed directly to an end office. Type B is provided with Interface Groups 2, 6, 7\* and 9 whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises, multiplexing node or virtual collocation arrangement 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, multiplexing node or virtual collocation arrangement and the access tandem and between the access tandem and the end office when routed via an access tandem.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.3 Feature Group C (FGC) (Cont'd)

## (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 13.3.5 following for FGC.

(S)(x)

6.2.4 Feature Group D (FGD)(A) Description

- (1) FGD is provided at Telephone Company designated end office switches whether routed directly or via Telephone Company designated access tandem switches.

For FGD with the SS7 signaling option, the CCSA signaling connection is provided to Telephone Company designated STPs.

- (2) FGD is provided as trunk side switching through the use of end office or access tandem switch trunk equipment. The switch trunk equipment may be provided with wink start start-pulsing signals and answer and disconnect supervisory signaling, or without signaling when the SS7 signaling option is specified.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (3) Feature Group D switching may be provided, at the customer's option, with multifrequency address signaling or common channel 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 or multiplexing node where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Local Transport provided.

With common channel 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 Common Channel Signaling Access (CCSA) circuit. The SS7 signaling option requires the customer to order CCSA links as described in 6.1.3(A)(2)(e) preceding.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (4) 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 customers' services (by dialing the appropriate codes) when such services can be reached using valid NXX codes. When directly routed to an end office, only those valid NXX codes served by that office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. Additionally, non-access charges will also be billed for calls from a FGD trunk to another customer's service in accordance with that customer's applicable service rates when the Telephone Company performs the billing function for that customer. Calls in the terminating direction will not be completed to 950-XXXX access codes, local operator assistance (0- and 0+), Directory Assistance (411 and 555-1212), service codes 611 and 911, or 101XXXX access codes, 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 and 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, D or CST BSA - Option 1, 2, or 3.
- (5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access or TOPS tandem switches where FGD switching is provided and where technically feasible. When required by technical limitations, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (6) The access code for FGD switching is a uniform access code of the form 101XXXX. These uniform access codes will be the assigned access numbers of all FGD access provided to the customer by the Telephone Company. No access code is required for calls which originate from a WATS Access Line (WAL) Service. No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service or the customer's Feature Group A or CSL BSA Switched Access Service is arranged for presubscription to that customer, as set forth in 13. following. Where Minimum Divergence Access Service is provided, the 101XXXX access codes are not available.

When FGD is provided with Prepaid Calling Service Access, calls will be originated using the Telephone Company's Prepaid Calling Service 800 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 Prepaid Calling Service 800 number the first time the Prepaid Calling Service card is used for an interLATA, interstate or international call.

Where no access code is required, or available, the number dialed by the end user shall be a seven to eleven digit number for calls in the North American Numbering Plan (NANP). Where International Direct Distance Dialing (IDDD) is available for calls outside the NANP, a seven to twelve digit number may be dialed. The form of the numbers dialed by the 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. Calls originating from a WAL Service by the end user's dialing 800+NXX-XXXX, 1+800+NXX-XXXX, 900+NXX-XXXX or 1+900+NXX-XXXX, will be routed to the Switched Access Service of the 800 or 900 service provider. Calls originating from a WAL Service by the end user's dialing unassigned NXXs, local operator assistance (0-), service codes (211, 611 and 911), directory assistance (411), 500+NXX-XXXX, 1+500+NXX-XXXX, or 101XXXX access codes will not be completed. All other calls originating from a WAL Service (excluding intra-Connecticut calls as prohibited by State Law, Public Act 87-415) will be routed to the particular customer for use with whose Feature Group D Switched Access Service the WAL Service is ordered.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

## (6) (Cont'd)

These dialing provisions apply for WAL Service not equipped with the Routing of IntraLATA Calls to the Telephone Company for Use with WATS Access Line Service option.

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 the end-of-dialing digit (#) for cut-through access to the customer's premises.

When FGD is provided with SWITCHWAY Service Access Capability, the dialing pattern will be modified as follows. In the originating direction, when no access code is required, end users at suitably equipped end user premises can activate the capability in the end office by dialing #56+1+10 digits. When the 101XXXX access code is used, the end user dials #56-101XXXX+10 digits.

## (7)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (8) FGD switching will be arranged to accept calls from telephone exchange service, Feature Group A, or CSL BSA Switched Access Service locations without the need for dialing 101XXXX uniform access code. Each telephone exchange service line, Feature Group A, or CSL BSA Switched Access Service may be marked with a presubscription code to identify with 101XXXX code its calls will be directed to for interLATA service. Presubscription codes are applied as set forth in Section 13. following. (Z)

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(A) Description (Cont'd)

- (9) When a customer has had FGB access in an end office and subsequently replaces the FGB access with FGD access, at the customer's request and where facilities permit, the Telephone Company will, for a period of 90 days, direct calls dialed by the customer's end users using the customer's previous FGB access code to the customer's FGD access service. The customer must be prepared to handle normally dialed FGD calls as well as calls dialed with the FGB access code which require the customer to receive additional address signaling from the end user. Such calls will be rated as FGD.
- (10) Originating FGD Switched Access Service must be ordered for the completion of sent-paid coin calls. FGD with coin sent-paid capability is provided direct to suitably equipped Telephone Company end offices or via TOPS tandem switches.

(B) Optional Features(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)  
(b) Service Class Routing\*  
(c) Alternate Traffic Routing\*\*  
(d) International Carrier Option\*  
(e) End Office End User Line Service Screening for Use with WATS Access Line Service  
(f) Hunt Group Arrangement for Use with WATS Access Line Service  
(g) Uniform Call Distribution Arrangement for Use with WATS Access Line Service

\* Not available with Minimum Divergence Access Service.

\* Not available in designated electromechanical end offices or with Minimum Divergence Access Service.

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## ACCESS SERVICE

6. Switched Access Service (Cont'd)6.2 Provision and Description of Switched Access Service (Cont'd)6.2.4 Feature Group D (FGD) (Cont'd)(B) Optional Features (Cont'd)(1) Common Switching Optional Features (Cont'd)

- (e) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (f) Band Advance Arrangement for Use with WATS Access Line Service
- (g) Routing of IntraLATA Calls to the Telephone Company for Use with WATS Access Line Service
- (h) SWITCHWAY Service Access Capability
- (i) Multiple Trunk Routing
- (j) Flexible Automatic Number Identification (Flexible ANI)
- (k) Carrier Identification Parameter

(2) Transport Termination Optional Features

- (f) Operator Trunk, Full Feature Arrangement
- (g) Operator Trunk, Assist Feature Arrangement

(3) Local Transport Optional Features

- (f) Supervisory Signaling (as set forth in 6.1.3(A)(2)(a) preceding)
- (g) Signaling System 7 (SS7) Signaling Option (as set forth in 6.1.3(A)(2)(d) preceding)
- (h) Coin sent-paid capability (as set forth in 6.1.3(A)(2)(f) preceding)
- (i) 64 kbps Clear Channel Capability (as set forth in 6.1.3(A)(2)(g) preceding)
- (e) Tandem Signaling (as set forth in 6.1.3(A)(2)(i) preceding)
- (f) Switched Wideband Capability (as set forth in 6.1.3(A)(2)(j) preceding)

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