

ACCESS SERVICE

6. Switched Access Service

6.1 General

Switched Access Service, which is available to customers for their use in furnishing their services to end users, provides a two-point electrical communications path to a customer's facilities from an end user's premises. It provides for the use of common terminating switching and transport facilities and common subscriber plant of the Telephone Company. Switched Access Service provides for the ability to originate calls from an end user's premises to a customer's facilities, and to terminate calls from a customer's facilities to an end user's premises in the LATA where it is provided. Specific references to material describing the elements of Switched Access Service are provided in 6.1.1 and 6.1.2 following.

Rates and charges for Switched Access Service depend generally on its use by the customer, i.e., for MTS or WATS services, MTS-WATS equivalent services, or other services (e.g., foreign exchange service), and whether it is provided in a Telephone Company end office that is equipped to provide equal access (Trunkside BSA-101XXXX Option or Feature Group D Access, described in 6.3.2.3 and 6.1.1(D) following). Rates and charges for Switched Access Service are set forth in 6.9 following. The application of rates for Switched Access Service is described in 6.8 following. Rates and charges for services other than Switched Access Service, e.g., a customer's interLATA toll message service, may also be applicable when Switched Access Service is used in conjunction with these other services. Descriptions of such applicability are provided in 6.2.1(A)(7), 6.2.1(B)(4), 6.2.2(A)(5), 6.2.3(A)(5), 6.2.4(A)(4), 6.8.10 and 6.8.12 following. Finally, a credit is applied against lineside Switched Access Service charges as described in 6.8.11 following. (C)

Pursuant to FCC Report and Order and Order On Further Reconsideration and Supplemental Notice of Proposed Rulemaking, 6 FCC Rcd 4524 (1991), the Telephone Company offers a Lineside Switched Access BSA (Lineside BSA) and a Trunkside Switched Access BSA (Trunkside BSA) and a number of BSEs.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements

Switched Access Service is provided in three unbundled service arrangements of alternative features and optional BSEs called (1) Lineside Switched Access BSA (Lineside BSA) and (2) Trunkside Switched Access BSA (Trunkside BSA) and (3) Dedicated Network Access Link (DNAL) BSA, and in four optional service arrangements of standard and optional features called (1) Feature Group A (FGA), (2) Feature Group B (FGB), (3) Feature Group C (FGC), and (4) Feature Group D (FGD).

The arrangements are differentiated by their technical characteristics, e.g., lineside vs. trunkside connection at the Telephone Company entry switch, and by the manner in which an end user accesses them in originating calling, e.g., with or without an access code. A description of Lineside BSA, Trunkside BSA and DNAL BSA is in 6.3 following. A description of each Feature Group is in 6.2 following.

Switched Access Service is provided in six service categories of standard and optional features.

These are differentiated by their technical characteristics, e.g., lineside vs. trunkside 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. Following is a brief description of the Feature Group arrangements.

(A) Feature Group A (FGA)

FGA Access provides lineside access to Telephone Company end office switches with an associated seven-digit local telephone number for the customer's use in originating and terminating communications (1) to an Interexchange Carrier's interstate service or (2) to the Telephone Company's facilities when used to provide dial tone service from the Telephone Company's end office switch in a state other than the state of the customer's normal serving end office. (C)

When ordering FGA service, the customer must specify the Interexchange Carrier to which the FGA service is physically connected or specify the means by which the FGA access communications is transported interstate. If the customer cannot specify the type of connection used to transport traffic interstate, the lineside service should be obtained as provided under the Telephone Company's local and/or general exchange service tariffs.

A more detailed description of FGA Access is provided in 6.2.1 following. (C)

Certain material formerly appearing on this page now appears on Page 135.

(This page filed under Transmittal No. 934)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements (Cont'd)

(B) Feature Group B (FGB)

FGB Access, which is available to all customers, provides trunkside access to Telephone Company end office switches with an associated uniform 950-0XXX or 950-1XXX access code for the customer's use in originating and terminating communications. A more detailed description of FGB Access is provided in 6.2.2 following.

WATS Access Line Service, for use in the originating and terminating direction, is available with Feature Group B.

Public Data Network service, for use in the originating direction, is available with Trunkside BSA - 950 Option and Feature Group B.

(C) Feature Group C (FGC)

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

(D) Feature Group D (FGD)

FGD Access, which is available to all customers, provides trunkside access to Telephone Company end office switches with an associated 101XXXX access code for the customer's use in originating and terminating communications. WATS Access Lines are ordered as set forth in 5.2 preceding. As an option, 950 on FGD Access is also available, where technically feasible, with an associated uniform 950-XXXX access code for the customer's use in originating traffic. Calls in the terminating direction will not be completed to 950-XXXX access codes. When used with the 950 dialing option, FGD is only available with SS7 signaling. A more detailed description of FGD Access is provided in 6.2.4 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 (Cont'd)

(D) Feature Group D (Cont'd)

Switched 56 Kilobit Service, as described in 6.2.4(A)(9) following is an optional service available for use with Feature Group D. Switched 56 Kilobit Service is ordered as set forth in 5.2 preceding.

Operator Transfer Service, as described in 6.2.4(A)(10) following, is an optional service available for use with Feature Group D. Operator Transfer Service is an originating only service and is ordered as set forth in 5.2 preceding. In addition to premium Feature Group D charges, or transitional rates for calls originating from non-equal access end offices, Operator Transfer Service is subject to the rates and charges specified in 6.1.2(B)(10) and 6.9.8 following.

(E) WATS Access Line Service

WATS Access Line Service is a type of special Access Service that is provided only for use with Lineside BSA, Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups A, B, C and D Switched Access Services. WATS Access Line Service connects an end user premises with a WATS serving office. This service is described in 7.2.3.1 following.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements (Cont'd)

(D)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Service Arrangements (Cont'd)

(F) Manner of Provision

Switched Access is furnished on a per-line or per-trunk basis respectively.

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

There are three major traffic types. These are: Originating, Terminating 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; 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 Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option, Trunkside BSA- 101XXXX Option, FGB Access, FGC Access or FGD Access, the customer must at a minimum specify such access capacity in terms of originating traffic type and/or terminating traffic type. All Feature Group B, Feature Group D, and Trunkside BSA traffic must be associated with a customer-provided Carrier Identification Code ("CIC" code). Directory Assistance traffic type is used for ordering Directory Assistance Access Service as set forth in 9. following. (C)

Because some customers will wish, or may be required, to further segregate their originating Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGC or FGD traffic into separate trunk groups, Originating traffic type is further categorized into Domestic, 500 Access Service, Toll Free* Data Base Access Service, 900, Operator, IDDD, Switched 56 (S56) Kilobit Service, Operator Transfer, and Telecommunication Relay Service. (C)

Domestic traffic type represents access capacity for carrying only domestic traffic other than 500 Access Service, Toll Free Data Base Access Service, 900 and Operator traffic; IDDD traffic type represents access capacity for carrying only international traffic; 500 Access Service, Toll Free Data Base Access Service, 900 and Operator traffic type represents access capacity for carrying, respectively, only 500 Access Service, Toll Free Data Base Access Service, 900 or Operator traffic; and Switched 56 (S56) Kilobit Service, Operator Transfer, and Telecommunication Relay Service traffic types represents access capacity for carrying, respectively, only Software Network traffic, Switched 56 (S56) Kilobit Service, Operator Transfer, and Telecommunication Relay Service.

* "Toll Free" service includes any access service which utilizes the following NPA's: 800, 888, 877, 866, 855, 844, 833, and 822 as they become available to the industry.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.1 Switched Access Arrangements (Cont'd)

(F) Manner of Provision (Cont'd)

When ordering such types of access capacity, the customer must specify Domestic, 500, Toll Free, 900, Operator IDDD, Switched 56 (S56) Kilobit Service, Operator Transfer, or Telecommunication Relay Service traffic type. Switched 56 (S56) Kilobit Service and Operator Transfer Service traffic must all be carried over a separate trunk group and cannot be combined with other traffic types.

An out of band signaling connection as described in following is required in conjunction with Trunkside BSA-101XXXX Option and Feature Group D equipped with out of band signaling and/or Billing Validation Service. An out of band signaling connection provides the interconnection between the Telephone Company's STP pair and the customer's SPOI(s). (C)
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When ordering out of band signaling with Trunkside BSA-101XXXX Option and Feature Group D the customer shall specify that all traffic is to be equipped with out of band signaling. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories

The following rate categories apply to Switched Access Service:

- Switched Transport (described in 6.1.2(A) following)
- End Office (described in 6.1.2(B) following)
- Common Line (described in Sections 3. and 4. preceding)
- Toll Free Data Base Access Service (described in 6.4.3(C) following)

In addition to the rate categories there is an Equal Access Recovery Charge that applies to Trunkside BSA-101XXXX Option and Feature Group D, and an Information Surcharge that applies to Lineside BSA, Trunkside BSAs and all Switched Access Feature Groups. The description and application of these charges are set forth in 6.1.2.(B)(2) and 6.1.2(B)(3) following. (C)

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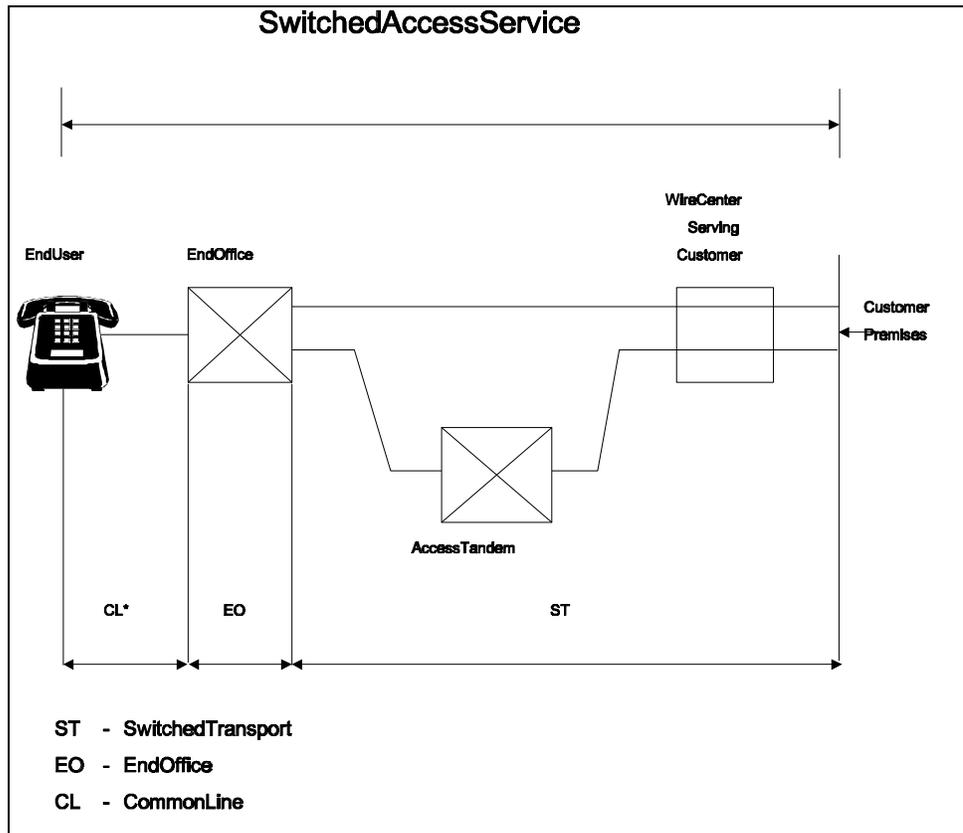
ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

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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(Y) Reissued material scheduled to become effective December 1, 1993.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport

Switched Transport provides the transmission facilities between the customer's facilities and the end office switch(es) where the customer's traffic is switched to originate or terminate customer's communications. For purposes of determining Switched Transport mileage, distance will be measured from the wire center that normally serves the customer's facilities to the end office switch for Direct Trunked Transport or from the end office to an access tandem for Tandem Switched Transport. Mileage measurement rules are set forth in 6.8.13 following.

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Switched Transport is a two-way voice frequency transmission path comprised of Switched Entrance facilities, Direct Trunked Transport facilities, Tandem Switched Transport facilities and/or Host/Remote facilities which permit the transport of calls in the originating direction (from the end user switch to the customer's facilities) and in the terminating direction (from the customer's facilities 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) the Entrance Facility, (2) whether the service is to be directly routed to an end office switch or through an access tandem switch via Tandem Switched facilities, and (3) the directionality of the service. When the customer has ordered Trunkside BSA-101XXXX Option or FGD with the Switched 56 Kilobit Service, the Telephone Company will provide facilities that are capable of supporting transmission of digital data at a speed of 56 Kbps.

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When the customer has ordered Trunkside BSA-101XXXX Option or FGD to carry traffic originated from a TRS Center, the Telephone Company will provide facilities between the TRS Center and the access tandem. The Telephone Company will ensure sufficient capacity exists between the TRS and the access tandem to handle all TRS originated traffic. Switched transport charges for TRS traffic will be applied as specified in 6.9.1, 6.8.1(D), and 6.8.13(J) following.

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Switched Transport is ordered under the access order provisions as set forth in Section 5 preceding. Design and traffic routing of Switched Transport Service is described in Section 6.8.1 following.

Switched Transport is comprised of an Entrance Facility rate category, as described in (1) following, a Direct Trunked Transport rate category, as described in (2) following, a Tandem Switched Transport rate category, as described in (3) following, and an Interconnection charge as described in (4) following.

(S) Reissued material scheduled to become effective June 30, 1998.
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(1) Entrance Facility Rate Category

An Entrance Facility provides the communication path between a customer's premises and the Telephone Company SWC of that premises for the sole use of the customer. The Entrance Facility category is comprised of a Voice Grade rate, a DS1 rate, a DS3 rate, IDSR, ISAN, ISSP, or an IntelliLight Entrance Facilities (IEF) rate, plus IEF Interface when appropriate. An Entrance Facility is required whether the customer's premises and the SWC are located in the same or different buildings. The types of facilities available for Entrance Facilities are described in 6.2.5 following.

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(2) Direct Trunked Transport Rate Category

Direct Trunked Transport provides the transmission path from the SWC of the customer's premises to an end office or from the SWC to a tandem or in the case of voice grade service used for FGA/Lineside BSA, from the SWC to the Dial Tone Office (DTO). This transmission path is dedicated to the use of a single customer.

The Direct Trunked Transport rate category is comprised of a monthly fixed rate and a monthly per mile rate based on the facility provided (i.e., Voice Grade, DS1, DS3, ISSP, IDSR, or ISAN). IDSR is comprised of Nodes, Fiber Mileage (per mile between nodes), and Ports. ISAN is comprised of a fixed charge by Mileage Band. The fixed rate provides the circuit equipment at the ends of the transmission links. The per mile rate provides the transmission facilities, including intermediate transmission circuit equipment, between the end points of the circuit. The Direct Trunked Transport rate is the sum of the fixed rate and the per mile rate. For purposes of determining the per mile rate, mileage shall be measured as airline mileage between the SWC of the customer's premises and the end office or directly to the access tandem using the V&H coordinates method. The types of facilities available for Direct Trunked Transport are described in 6.2.5 following.

(T)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(3) Tandem Switched Transport Rate Category

Tandem Switched Transport provides the transmission facilities from the end office to the tandem utilizing tandem switching functions. Tandem Switched Transport consists of circuits used in common by multiple customers from the access tandem to an end office.

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The Tandem Switched Transport rate category is comprised of a Tandem Transport fixed MOU rate, Tandem Transport Per Mile/Per MOU rate, and a Tandem Switching MOU rate. The fixed rate provides the circuit equipment at the end of the interoffice transmission links. The per mile rate provides the transmission facilities, including intermediate transmission circuit equipment between the end points of the interoffice circuit. For purposes of determining the per mile rate, mileage shall be measured as airline mileage between the end office and the tandem using the V&H coordinates method. The Tandem Switching rate provides for tandem switching facilities. The Tandem Switched Transport rate is the sum of the fixed rate, the per mile rate, and the Tandem Switching MOU rate.

The Tandem Switched Transport fixed rate and the Tandem Transmission per mile/per MOU rate also apply to FGA with a Voice Grade Facility. The miles are measured from the DTO to the End Office.

The Dedicated Tandem Trunk Port is a monthly per port rate that provides a port for each dedicated trunk terminating on the serving wire center side of the access tandem.

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(4) Host/Remote Rate Category

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Host/Remote Transmission is composed of a fixed MOU rate and per mile/per MOU rate. The fixed rate provides for the circuit equipment at the end of the interoffice transmission. The per mile rate provides the transmission facilities between the end points of the interoffice circuit between the host and the remote. For purposes of determining the per mile rate, mileage will be measured as airline mileage using the V&H coordinates method. Mileage measurement rules are set forth in 6.8.13 following.

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(5) Interconnection Charge

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The Switched Transport Interconnection Charge charge is applied to all access minutes based on the directionality of the traffic carried over the Switched Access Service and whether or not it is provided under a collocated Interconnection Agreement.

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Material appearing on this page formerly appeared on Page 139.2.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups

Ten Interface Groups are provided for terminating the Switched Transport at the customer's facilities. Each Interface Group provides a specified interface at customer's facilities (e.g., two-wire, four-wire, DS1, etc.). Where Telephone Company transmission facilities permit, the individual transmission path between the customer's facilities and the first point of switching may at the option of the customer be provided with optional features as set forth in 6.1.2(A)(1) through (8) following.

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

Interface Group 1 is provided with Type C Transmission Specifications, and Interface Groups 2 through 10 are provided with Type A or B Transmission Specifications, depending on the Feature Group and whether the Access Service is routed directly or through an access tandem. All Interface Groups are provided with Data Transmission Parameters.

Only certain premises interfaces are available at the customer's facilities. The premises interfaces associated with the Interface Groups may vary among Switched Access Arrangements. The various premises interfaces which are available with the Interface Groups, and the Switched Access Arrangements with which they may be used, are set forth in 6.1.2(A)(6)(k)(1) following. Compatibility and interface requirements for Trunkside BSA-101XXXX Option and FGD equipped with Switched 56 Kilobit Service capability are described in TR-NPL-000334. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(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 Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGC and FGD when the first point of switching is an access tandem. In addition, Interface Group 1 is not provided in association with Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGB, FGC or FGD when the first point of switching provides only four-wire terminations. (C)

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

The interface is provided with loop supervisory signaling. When the interface is associated with Lineside BSA or FGA, such signaling will be loop start or ground start signaling. When the interface is associated with Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(b) Interface Group 2 (USOC TPP2X)

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

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

The interface is provided with loop supervisory signaling. When the interface is associated with Lineside BSA or FGA, such signaling will be loop start or ground start signaling. When the interface is associated with Trunkside BSA - 950 Option, Trunkside BSA Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGB, FGC or FGD, such signaling, except for two-way calling which is E&M signaling, will be reverse battery signaling. (C)

(c) Interface Group 3 (USOC TPP3X)

Interface Group 3 provides group level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 60 to 108 kHz, with the capability to channelize up to 12 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex equipment to derive 12 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

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6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(T)

(c) Interface Group 3 (USOC TPP3X) (Cont'd)

The interface is provided with individual transmission path SF supervisory signaling.

(d) Interface Group 4 (USOC TPP4X)

Interface Group 4 provides supergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 312 to 552 kHz, with the capability to channelize up to 60 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 60 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

(e) Interface Group 5 (USOC TPP5X)

Interface Group 5 provides mastergroup level analog transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals between the frequencies of 564 to 3084 kHz, with the capability to channelize up to 600 voice frequency transmission paths. Certain frequencies within the bandwidth of the Interface Group are reserved for Telephone Company use, e.g., pilot and carrier group alarm tones. Before the first point of switching, the Telephone Company will provide multiplex and channel bank equipment to derive 600 transmission paths of frequency bandwidth of approximately 300 to 3000 Hz.

The interface is provided with individual transmission path SF supervisory signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

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(f) Interface Group 6 (USOC TPP6X)

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

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

(g) 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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(T)

(h) Interface Group 8 (USOC TPP8X)

Interface Group 8 provides DS2 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 6.312 Mbps, with the capability to channelize up to 96 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 in its office to derive up to 96 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.

(i) Interface Group 9 (USOC TPP9X)

Interface Group 9 provides DS3 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice frequency transmission paths. Before the first point of switching, when analog switching utilizing analog terminations is provided, the 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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(j) Interface Group 10 (USOC TPPAX)

Interface Group 10 provides DS4 level digital transmission at the point of termination at the customer's premises. The interface is capable of transmitting electrical signals at a nominal 274.176 Mbps, with the capability to channelize up to 4032 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 4032 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.

(k) Available Premises Interface Codes

Following is a matrix showing, for each Interface Group, which premises interface codes are available as a function of the Telephone Company switch supervisory signaling and Feature Group. For explanations of these codes, see the glossary of Channel Interface Codes in 7.3.1 following.

Interface Group	Telephone Company Switch Supervisory Signaling	Premises Interface Code	Switched Access Service			
			1	2	3	4
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			

- (1) Lineside BSA or FGA.
- (2) Trunkside BSA - 950 Option or FGB.
- (3) Trunkside BSA - MTS/WATS Option or FGC.
- (4) Trunkside BSA-101XXXX Option or FGD.

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

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

Interface	Telephone Company	Switch	Premises	Switched		
				Access Service		
1(Cont'd)	RV, EA, EB, EC		2DX3	X	X	X
	RV, EA, EB, EC		4EA3-E	X	X	X
	RV, EA, EB, EC		4EA3-M	X	X	X
	RV, EA, EB, EC		6EB3-E	X	X	X
	RV, EA, EB, EC		6EB3-M	X	X	X
	EA, EB, EC		6EC3		X	X
	RV		2RV3-O	X	X	X
	RV		2RV3-T	X	X	X
	Out of Band Signaling		2N02			X
	2	LO, GO		4SF2	X	
LO, GO			4SF3	X		
LO			4LS2	X		
LO			4LS3	X		
LO			6LS2	X		
GO			4GS2	X		
GO			4GS3	X		
GO			6GS2	X		
LO, GO			4DX2	X		
LO, GO			4DX3	X		
LO, GO			6EA2-E	X		
LO, GO			6EA2-M	X		
LO, GO			8EB2-E	X		
LO, GO			8EB2-M	X		
LO, GO			6EX2-B	X		
RV, EA, EB, EC			4SF2		X	X
RV, EA, EB, EC			4SF3		X	
RV, EA, EB, EC			4DX2		X	X
RV, EA, EB, EC			4DX3		X	
RV, EA, EB, EC			6DX2			X
RV, EA, EB, EC			6EA2-E		X	X
RV, EA, EB, EC			6EA2-M		X	X
RV, EA, EB, EC			8EB2-E		X	X
RV, EA, EB, EC			8EB2-M		X	X
EA, EB, EC			8EC2-M			X
RV			4RV2-O		X	X
RV			4RV2-T		X	X
RV			4RV3-O		X	X
RV			4RV3-T		X	X
Out of Band Signaling			4N02			X

- (1) Lineside BSA or FGA.
- (2) Trunkside BSA - 950 Option or FGB.
- (3) Trunkside BSA - MTS/WATS Option or FGC.
- (4) Trunkside BSA-101XXXX Option or FGD.

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

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

Interface Group	Telephone Company Supervisory Signaling	Switch Premises Interface Code	Switched Access Service			
			1	2	3	4
3	LO, GO	4AH5-B	X			
	RV, EA, EB, EC	4AH5-B		X	X	X
	Out of Band Signaling	4AH5-B				X
4	LO, GO	4AH6-C	X			
	RV, EA, EB, EC	4AH6-C		X	X	X
	Out of Band Signaling	4AH6-C				X
5	LO, GO	4AH6-D	X			
	RV, EA, EB, EC	4AH6-D		X	X	X
	Out of Band Signaling	4AH6-D				X
6	LO, GO	4DS9-15	X			
	RV, EA, EB, EC	4DS9-15		X	X	X
	Out of Band Signaling	4DS9-15				X
	64CCC	4DS9-15S				X
		4DS9-1S				X
7	LO, GO	4DS9-31	X			
	LO, GO	4DS9-31L	X			
	RV, EA, EB, EC	4DS9-31		X	X	X
	RV, EA, EB, EC	4DS9-31L		X	X	X
	Out of Band Signaling	4DS9-31				X
8	LO, GO	4DS0-63	X			
	LO, GO	4DS0-63L	X			
	RV, EA, EB, EC	4DS0-63		X	X	X
	RV, EA, EB, EC	4DS0-63L		X	X	X
	Out of Band Signaling	4DS0-63				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
	Out of Band Signaling	4DS6-44				X
10	64CCC	4DS6-44				X
	LO, GO	4DS6-27	X			
	LO, GO	4DS6-27L	X			
	RV, EA, EB, EC	4DS6-27		X	X	X
	RV, EA, EB, EC	4DS6-27L		X	X	X
Out of Band Signaling	4DS6-27				X	

- (1) Lineside BSA or FGA.
- (2) Trunkside BSA - 950 Option or FGB.
- (3) Trunkside BSA - MTS/WATS Option or FGC.
- (4) Trunkside BSA-101XXXX Option or FGD.

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(6) Interface Groups (Cont'd)

(1) Out of Band Signaling Connection (USOC TPPSX)

Premises Interface Codes

Common Channel Signaling Access Service is provided with Trunkside BSA-101XXXX Option and Feature Group D equipped with out of band signaling and/or Billing Validation Service. The associated out of band signaling connections are provided using Interface Groups 6 through 10. Following is a matrix for Interface Groups 6 through 10 showing which premises interface codes are available for signaling connections as a function of the out of band signaling level of digital transmission. These codes also apply for Collocated Interconnected arrangements.

(C)

<u>Interface Groups</u>	<u>Level of Transmission</u>	<u>Premises Interface Codes</u>
6	DS1	4DS9-15
7	DS1C	4DS9-31
8	DS2	4DS0-63
9	DS3	4DS6-44
10	DS4	4DS6-27

(7) Nonchargeable Optional Features

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(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 through 10

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 office. Generally such signaling is available only where the entry switch provides an analog, i.e., non-digital, interface to the transport termination.

These optional supervisory signaling arrangements are not available in combination with Trunkside BSA-101XXXX Option or FGD with out of band signaling.

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(T)

(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-NPL-000334. This feature is available with Interface Groups 2 through 10 for Lineside BSA, and Trunkside BSA - 950 Option and Feature Groups A and B.

(c) Customer Specification of Switched Transport Termination

This option allows the customer to specify, for Trunkside BSA - 950 Option or Feature Group B routed directly to an end office or access tandem, a four-wire termination of the Switched Transport at the entry switch in lieu of a Telephone Company selected two-wire termination. This option is available only when the Trunkside BSA - 950 Option or Feature Group B arrangement is provided with Type B Transmission Specifications.

(d) Switched Transport Re-Route Option

Customers may, at no charge and at their option, subject to the following criteria, convert existing tandem routed trunks to end office direct routed trunks.

Conversions from tandem routing to end office direct routing will be performed at no charge if the order is placed by December 31, 1998.

- (1) The number of trunks connected cannot exceed the number of trunks disconnected except as provided below, i.e., a one-for-one substitution of end office trunks for tandem trunks. In cases where the customer requests the installation of additional trunks greater than the number disconnected, the customer must provide usage data, and an engineering table capacity evaluation, justifying the requirement for additional trunks.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(d) Switched Transport Re-Route Option (Cont'd)

(2) The customer's order for the Switched Transport Re-route option will be scheduled on a project basis by the Telephone Company in cooperation with the customer.

(3) Additional trunks installed beyond those specified or provided for in (1) preceding, will be subject to full nonrecurring installation charges.

(4) The technical specifications of the tandem trunk, e.g., interface type, must be retained when the trunk is connected at the end office or tandem, unless otherwise mutually agreed upon by the Telephone Company and the customer when appropriate Telephone Company central office switching equipment and other facilities exist.

(5) This option may not be scheduled at the same time as an upgrade to Trunkside BSA-101XXXX Option or FGD with out of band signaling unless otherwise mutually agreed upon by the Telephone Company and the customer when appropriate Telephone Company central office switching equipment and other facilities exist. If requests for the Switched Transport Re-Route Option are to be combined with a conversion to out of band signaling at the same time, the Telephone Company may treat such requests as two separate projects and charges will be waived subject to the above and as specified in section 6.1.2(A)(5)(2)(e)(5) following.

(C)

(6) The same customer facilities must be maintained on the connect order for the end office or tandem routed trunks, unless mutually agreed upon by the Telephone Company and the customer when appropriate Telephone Company central office switching equipment and other facilities exist.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(d) Switched Transport Re-Route Option (Cont'd)

- (7) In connection with a request for Switched Transport Re-Route Option and subject to availability of Telephone Company central office switching equipment and facilities, Trunkside BSA - 950 Option or FGB trunks may be upgraded to Trunkside BSA-101XXXX Option or FGD trunks provided the customer requests MF signaling on the Trunkside BSA-101XXXX Option or FGD order, and complies with the specifications as set forth in 6.1.2(A)(2)(d) preceding. Conversion from tandem or end office routed Trunkside BSA -950 Option or FGB trunks to end office or tandem routed Trunkside BSA-101XXXX Option or FGD trunks with MF signaling will be scheduled on a project basis by the Telephone Company, in cooperation with the customer. (C)
- (8) The orders for the disconnect and connection of trunks shall be placed with the Telephone Company at the same time. The Telephone Company will disconnect the tandem or end office routed trunks at the same time as the connection of the end office or tandem routed trunks, unless otherwise negotiated, but in no case to exceed 90 days after the connection of the end office or tandem routed trunks.
- (9) Subject to the conditions above and the availability of Telephone Company central office switching equipment and facilities, the customer may change one-way trunks to two-way trunks provided two-way is specified on the connect order for the end office or tandem routed trunks. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(e) Out of Band Signaling

- (1) This ordering option allows the customer to exchange signaling for Trunkside BSA-101XXXX Option and Feature Group D call set-up over a communications path which is separate from the message path. This option is provided with SS7 protocol and is only available with Trunkside BSA-101XXXX Option and Feature Group D. This option requires the establishment of a Common Channel Signaling Access Service between the customer's SPOI and the Telephone Company's STP as specified in 6.4.3(A) following. (C)
- (2) Out of band signaling is provided in both the originating and terminating direction on Trunkside BSA-101XXXX Option and FGD service. (C)

Each signaling connection is provisioned for two-way transmission of out of band signaling information.
- (3) Customers ordering out of band signaling are subject to the requirements specified in 2.3.9, 2.3.10(A)(4), and 2.3.10(A)(8) preceding.
- (4) Out of band signaling is subject to the rates and charges as specified in 6.8.1(C)(2), 6.9.1(E), and 6.9.1(G) following.
- (5) Conversion from MF signaling to SS7 signaling or from SS7 signaling to 64 Clear Channel Capability (64CCC) is not subject to charges as specified in section 6.8.1(C)(2) following. These conversions will be performed at Telephone Company access tandems and end offices designated as having SS7 or 64CCC. The number of trunks converted to SS7 signaling cannot exceed the number of trunks with MF signaling that are converted, and the number of trunks converted to 64CCC cannot exceed the number of trunks with MF or SS7 signaling that are converted. The customer must retain the same technical interface specifications unless otherwise mutually agreed upon by the Telephone Company and the customer, when appropriate Telephone Company central office switching equipment and other facilities exists. Conversion of tandem or end office trunks from MF signaling to SS7 signaling or from SS7 signaling to 64CCC will be scheduled on a project basis by the Telephone Company, in cooperation with the customer.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(7) Nonchargeable Optional Features (Cont'd)

(e) Out of Band Signaling (Cont'd)

- (6) At the customer's request, the Telephone Company will modify Trunkside BSA-101XXXX Option and FGD with out of band signaling to accept SS7 signaling messages and protocol contained in TR-TSV-000962, Issue 1, September 1990, pursuant to successful completion of testing specified in section 6.4.3(A), following. (C)
- (7) 64 Clear Channel Capability (64CCC) will be provided in connection with Trunkside BSA-101XXXX Option and FGD with out of band signaling digital trunk facilities provisioned at Interface Group 6 or 9, where appropriate Telephone Company equipment and other facilities exist. (C)
- (8) 64CCC is provided through the use of Bipolar with Eight-Zeros Substitution line code which must be provided in both directions of transmission. 64CCC will be provisioned on T1 facilities whose digital transmission signaling is framed in the Extended Superframe Format. The same framing format must be used in both directions of transmission. Technical Reference TR-NWT-000938, Issue 1, August 1990, provides the technical specifications for 64CCC.
- (9) 64CCC requires the establishment of CCSAS as specified in section 6.4.3(A) following. The CCS/SS7 protocol requirements for 64CCC are specified in TR-TSV-000962 Issue 1, September 1990. When 64CCC is ordered, the Telephone Company will schedule additional network compatibility and other operational tests as specified in section 6.4.3(A) following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(8) Chargeable Optional Features

(T)

(a) Toll Free Data Base Access Service

(1) Toll Free Basic Query Charge

The basic query charge is assessed the customer based on the query of the Toll Free number delivered to the customer. The query is completed when the appropriate call routing information is returned, as described in 6.4.3(C) following. The query charge is assessed for all completed queries whether or not the actual Toll Free call is delivered to the customer.

(2) Toll Free Vertical Feature Package Charge

The vertical feature package charge is assessed the customer when, in addition to the basic query, a Toll Free Data Base query contains one, all, or any combination of the vertical features as described in 6.4.3(C) following.

(3) 500 Query Charge

The query charge is assessed the customer based on the query of the 500+NXX number dialed and/or delivered to the customer in conjunction with 500 Access Service. 500+NXX calls delivered to the customer are routed based on information derived via queries to the 500 Data Base. In cases where certain end offices are not equipped with 500 NXX query functionality, certain 0+500 dialed calls are delivered to the customer from a Telephone Company Operator Switch.

(b) Multiplexing

Multiplexing provides the capability of converting the capacity or bandwidth of a facility from a higher level to a lower level or from a lower level to a higher level. Multiplexing arrangements available for Entrance Facilities and Direct Trunked Transport facilities are described in (a) and (b) following. Rates and charges are set forth in Section 6.9 following.

When the customer requests Tandem Switched Transport and Direct Trunked Transport to connect to the same Entrance Facility, multiplexing is required at the SWC and must be ordered by the customer as a chargeable optional feature of the Entrance Facility as set forth in (a) and/or (b) following.

Chargeable multiplexing arrangements ordered with an Entrance Facility at a SWC or a Direct Trunked Transport facility at an end office are associated with the facility with the higher capacity or bandwidth (e.g., a DS1 to Voice Grade multiplexing arrangement is associated with the facility using a DS1 connection).

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(8) Chargeable Optional Features (Cont'd)

(T)

(b) Multiplexing (Cont'd)

(1) DS1 to Voice Grade

An arrangement that converts a DS1 channel to twenty-four Voice Grade channels utilizing time division multiplexing. For example, the customer has the option of ordering a DS1 to Voice Grade multiplexing for the Entrance Facility at the SWC when Voice Grade Direct-Trunked Transport is requested to an end office. A DS1 to Voice Grade multiplexing is required at the end office when the customer orders Lineside Access which is transported via a DS1 Direct-Trunked Transport facility.

(2) DS3 to DS1

An arrangement which converts a DS3 channel to twenty-eight DS1 channels utilizing time division multiplexing. The twenty-eight channels may be further multiplexed utilizing DS1 to Voice Grade multiplexers. DS3 to DS1 multiplexing is available as a chargeable optional feature for Entrance Facilities and Direct Trunked Transport facilities. DS3 to DS1 multiplexing is always required at the SWC of the customer's premises when a DS3 Entrance Facility is to connect to a lower level of capacity.

(c) Alternate Serving Wire Center

- (1) Alternate Serving Wire Center (ASWC) is an optional feature which provides a transmission path for a High Capacity Service between the customer's designated premises and a serving wire center separate from the normal serving wire center.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(8) Chargeable Optional Features (Cont'd)

(c) Alternate Serving Wire Center (Cont'd)

(2) The Telephone Company will designate the serving wire center to be used as the alternate. The ASWC feature is available where contiguous wire centers with adjacent fiber feeder routes exist. Where facilities are not available, Special Construction rates and regulations may apply as set forth in the appropriate Special Construction tariff. Where service is available, provisioning is based on a Negotiated Interval as described in 5.2.1(B) preceding.

(3) The rate for Alternate Serving Wire Center, as specified in 6.9.1(E) following, applies per point of termination and is in addition to the entrance facility, IEF Termination, IEF Interface when applicable, and Channel Mileage Rates and Charges for each High Capacity or IEF service provided over the alternate path. Channel mileage for the alternately routed service is based on mileage measured from or to the alternate serving wire center. Section 6 contains rate regulations specific to Shared Network Arrangements.

(T)

(T)

(d) Special Facilities Routing

A customer may request that the facilities used to provide Switched Transport Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Diversity) are set forth in section 11 following.

(e) Diversity

Diversity denotes that a service must be provided over not more than two different physical routes. The rates for Diversity as specified in 6.9.1(F) following, applies per entrance facility, and is in addition to the entrance facility and channel mileage rates and charges for each high capacity service.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(A) Switched Transport (Cont'd)

(8) Chargeable Optional Features (Cont'd)

(T)

(f) Shared Network Arrangement

(1) A Shared Network Arrangement is a service offering that enables a customer (the "Service User") to connect subtending services to the multiplexed High Capacity service or IntelliMuxsm service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate records and billing for each. Each customer will be billed for those rate elements associated with his own portion of the service configuration. Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending Voice Grade or Data Digital circuits from a Host's multiplexed DS1 service, or DS1 circuits from a Host's multiplexed DS3 service.

(2) Under the Shared Network Arrangement, the telephone company may share with the host subscriber record information pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the telephone company as is necessary to perform billing reconciliations and/or other functions required in connection with maintaining account records.

(3) Section 6.8.20 contains rate regulations specific to Shared Network Arrangements.

(T)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office

The End Office rate category provides the local end office switching and end user termination functions necessary to complete the transmission of Switched Access communications to and from the end users served by the local end office. The End Office rate category includes the Local Switching and Information (i.e., Directory Assistance) rate elements. Directory Assistance Service and the applicable rates for it are set forth in Section 9 following.

(1) Local Switching

The Local Switching rate element provides for the use of end office switching equipment, terminations for the end user lines terminating in the local end office, and for the termination of calls at a Telephone Company Intercept operator or recording.

There are two categories, or rate levels, associated with Local Switching. The first category, LS1, provides the functions described preceding for Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B, except when Trunkside BSA-950 Option* or FGB is subscribed to by a provider of MTS and WATS.

The second category, LS2, provides the functions described preceding for Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups C and D, and for Trunkside BSA-950 Option* or FGB when subscribed to by a provider of MTS and WATS, and Trunkside BSA-101XXXX Option and FGD used to carry originating Telecommunication Relay Service traffic. (C)

LS2 rates apply to dedicated access lines, e.g., WATS Access Line Service, when such lines are terminated in end office switches and are used in conjunction with switched access services, and in conjunction with Trunkside BSA-950 Option* or FGB when subscribed to by a provider of MTS and WATS. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

The Local Switching rates for Lineside BSA, Trunkside BSAs and Feature Groups are applied on a per minute of use basis and are offered in two categories, LS1 and LS2.

- (a) LS1 provides local dial switching functions for Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B except for Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B used to terminate traffic to a WATS Access Line (WAL) provided from an equal access end office, or when Trunkside BSA-950 Option or FGB is subscribed to by provider of MTS and WATS.
- (b) LS2 provides local dial switching functions for Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups C and D and for Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B used to terminate traffic to a WAL provided from an equal access end office, for 500 Access Service, Toll Free Data Base Access Service, and 900 Access Service traffic originating from or terminating to an equal access end office, and for 500 Access Service, Toll Free Data Base Access Service, and 900 Access Service and Trunkside BSA - 950 Option and Feature Group B traffic originating from and Trunkside BSA-101XXXX Option and Feature Group D traffic terminating to end offices not equipped with equal access capabilities when the customer elects to combine such traffic with its tandem routed Trunkside BSA-101XXXX Option or Feature Group D traffic, or in conjunction with Trunkside BSA-950 Option or FGB when subscribed to by a provider of MTS and WATS, and for Trunkside BSA-101XXXX Option and for FGD Service used in conjunction with Telecommunication Relay Service Center traffic. Where end offices are appropriately equipped, international dialing may also be provided as a capability of LS2 local dial switching functions for Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups C and D, i.e., the capability of switching international calls with service prefix and address codes having more digits than can be switched through a standard Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option or Feature Groups C or D end office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(1) Local Switching (Cont'd)

Rates for LS1 - Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B, LS2 - Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option and Feature Groups C and D, and Transitional - Lineside BSA, Trunkside BSA - 950 Option and Feature Groups A and B are set forth in 6.9.2(A) following. The application of these rates is as set forth in 6.8.1(D) following. (C)

Local Switching Shared End Office Trunk Port

The Local Switching Shared End Office Trunk Port minutes-of-use rate provides for the use of the shared end office trunk ports for termination of common transport trunk, and/or FGA access minutes at an end office.

Local Switching Dedicated End Office Trunk Port

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(c) End Office Switching Equipment

(Z)

Where end offices are appropriately equipped, international dialing may be provided as a capability associated with LS2. International dialing provides the capability of switching international calls with service prefix and address codes having more digits than are capable of being switched through a standard Trunkside BSA - MTS/WATS Option, Trunkside BSA-101XXXX Option, FGC or FGD equipped end office.

There are two types of switching functions performed in the end office, i.e., Common Switching functions and Transport Termination functions. These are described following:

- Common Switching

Common Switching provides the local end office switching functions associated with the various access (i.e., Feature Group Services, Lineside and Trunkside BSAs) switching arrangements. The Common Switching arrangements provided for the various Switched Access arrangements are described in 6.2 following.

Included as part of the Common Switching are various nonchargeable optional features which the customer can order to meet the customer's specific communications requirements. These optional features are described in 6.4.1 following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(c) End Office Switching Equipment (Cont'd)

- Transport Termination

Transport Termination provides for the line or trunk side arrangements which terminate the Switched Transport facilities. Included as part of Transport Termination are various nonchargeable optional termination arrangements. These optional terminating arrangements are described in 6.4.2 following.

(C)

The number of transport terminations provided will be determined by the Telephone Company as set forth in 6.6.6 following.

(d) Line Termination

The Line Termination function provides the terminations for the end user lines terminating in the local end office. There are two types of Line Terminations, i.e., Common Line Terminations and WATS Access Line Terminations.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(d) Line Termination (Cont'd)

The WATS Access Line Service, Line 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 originating and terminating line side terminations depending on the type of signaling associated with the WATS Access Line (i.e., loop start or ground start). In addition, there are also two types of originating and terminating WATS Access Line trunk side terminations that are available in lieu of standard line side terminations. Trunk side terminations are provided only in association with certain Line Termination optional features as specified following:

- Dialed Number Identification Service
(DNIS)

The Dialed Number Identification Service optional feature, which is available with terminating only WATS Access Lines, permits a customer's end user with multiple Toll Free Data Base Access Service telephone numbers in the same service group to identify the specific telephone number which was dialed by the calling party. Identification is accomplished by outpulsing four digits which distinguish the dialed Toll Free Data Base Access Service number to customer premises equipment at the end user's premises. The digits are outpulsed to the end user premises over the WATS Access Connection. All WATS Access Line Connections in the same service group must be equipped for DNIS. The number of dialable Toll Free Data Base Access Service telephone numbers accessing a service group equipped for DNIS cannot exceed the number of WATS Access

(T)

(T)

(T)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(d) Line Termination (Cont'd)

(T)

- Dialed Number Identification Service
(DNIS)(Cont'd)

Lines in the service group. DNIS is provided with reverse battery type supervisory signaling and requires battery type supervisory signaling and requires the use of trunk side terminations in lieu of standard line side terminations.

DNIS is a non chargeable optional feature.

- WATS Answer Supervision

WATS originating only Access Connections may, at the option of the customer be ordered with WATS Answer Supervision. When the terminating end answers, provided the Interexchange Carrier passes Answer Supervision to the Exchange Carrier, Answer Supervision will provide a signal to the originating end user that the distant end has answered. The exact timing of Answer Supervision is dependent upon the Interexchange Carrier. Answer Supervision is available with both two and four wire WATS Access Lines and is arranged for Wink reverse battery supervision on MF signaling. Answer Supervision is subject to the rates in 6.9.2(B)(3) following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(1) Local Switching (Cont'd)

(e) Intercept

(Z)

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

(2) Equal Access Recovery Charge

The Equal Access Recovery Charge is a charge to recover those costs that the Telephone Companies incur solely for equal access. Equal access costs represent the cost of equipping switching machines to handle Trunkside BSA-101XXXX Option and FGD.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(2) Equal Access Recovery Charge (Cont'd)

The Equal Access Recovery Charge is assessed to the customer based on the total number of Trunkside BSA-101XXXX Option and Feature Group D access trunks. The application of these rates with respect to each Trunkside BSA-101XXXX Option and Feature Group D trunk is as set forth in 6.9.4 following.

(3) Information Surcharge

The Information Surcharge is a charge to recover costs that have been assigned to the interstate Information category through Parts 36 and 69 of the Commission's Rules. These costs are other than those incurred in the provision of interstate Directory Assistance Service as set forth in 9. following.

The Information Surcharge is assessed to the customer based on the total number of access minutes. The rates are set forth in 6.9.7 following. The application of these rates with respect to the individual Feature Groups is as set forth in 6.8.1(D) following.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

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

(4) Toll Free Access Service Nonrecurring Charge (Z)

The Toll Free Access Service nonrecurring charge is assessed to the customer based on NXXs activated, or deactivated, in conjunction with Toll Free Access Service. The charge varies depending on how the customer orders NXXs activated or deactivated, i.e., by State or LATA. When ordered by LATA, for both NXXs activated and deactivated, each NXX in the LATA is subject to the charge. Subsequent orders for those NXXs to be activated or deactivated in a different LATA will again be subject to the charge. When ordered by State, for both NXXs activated or deactivated, the charge applies for each NXX only once even if multiple LATAs are involved.

(5) 900 Access Service Nonrecurring Charge (Z)

The 1+900 Access Service nonrecurring charge is assessed to the customer based on NXX codes activated, or deactivated, in conjunction with 900 Access Service. The charge varies depending on how the customer orders NXXs activated or deactivated, i.e., by State or LATA. When ordered on a LATA basis, for both NXXs activated and deactivated, each NXX in the LATA is subject to the charge. If subsequent orders activate or deactivate NXX codes previously ordered in a different LATA, the nonrecurring charge still applies to the NXX codes activated or deactivated on the subsequent order.

The 0+900 Access Service nonrecurring charge is assessed to the customer based on end offices activated in conjunction with 900 Access Service.

(6) The Switched 56 Kilobit charge is assessed to the customer based on the total number of Switched 56 Kilobit access minutes. Switched 56 Kilobit access minutes are those access minutes transported via separate Switched 56 Kilobit trunks as specified in 6.2.4(A)(9) following. (Z)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.2 Rate Categories (Cont'd)

(B) End Office (Cont'd)

(7) Operator Transfer Service Charge

(Z)

The Operator Transfer Service charge is assessed the customer based on the number of 0 minus calls transferred to the customer by the Telephone Company operator, i.e., the customer's end user dials only the 0 digit with no additional digits. Rates and charges are set forth in 6.9.13 following.

The Operator Transfer Service charge recovers the costs associated with operator functions required to transfer end users to the customer of choice for operator services.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

6.1.3 Special Facilities Routing

Any customer may request that the facilities used to provide Switched Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are as set forth in 11. following.

6.1.4 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.

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

6.1.6 Ordering Options and Conditions

Switched Access Service is ordered under the Access order provisions set forth in 5. preceding. Also, included in that Section are other charges which may be associated with ordering Switched Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.). (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.1 General (Cont'd)

(S)(Y)(X)

(S)(Y)(X)

(X) Filed under authority of Special Permission No. 91-1123 of the
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(Y) Reissued material scheduled to become effective December 31, 1991.

Certain material formerly appearing on this page now appears on Page 179.8.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements

Switched Access Feature Group Service is provided in different service arrangements; Feature Group A through D. The provision of each arrangement requires Switched Transport facilities and the appropriate End Office functions. In addition, WATS Access Lines Service as described in 7.2.3.1 following may, at the option of the customer, be provided for use with Feature Groups A, B, C and D. (C)

There are three specific transmission specifications (i.e., Types A, B and C) that have been identified for the provision of Switched Access 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 6.5.1 following.

Feature Groups are arranged for either originating, terminating or two-way calling, based on the customer end office switching capacity ordered, while 500 Access Service, Toll Free Data Base Access Service, and 900 Access Service are arranged for originating only. Originating calling permits the delivery of calls from Telephone Exchange Service locations to the customer's premises. Terminating calling permits the delivery of calls from the customer's premises to Telephone Exchange Service locations. Two-way calling permits the delivery of calls in both directions, but not simultaneously. The Telephone Company will determine the type of calling to be provided unless the customer requests that a different type of directional calling is to be provided. In such cases, the Telephone Company will work cooperatively with the customer to determine the directionality.

For Telephone Company provided facilities between an access tandem and a TRS Center, calls will be delivered only in the originating direction. For calls originating from a TRS Center routed through an access tandem, access minutes of use will be reported by the TRS provider until the Telephone Company attains the appropriate measurement capabilities.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

There are various nonchargeable optional and chargeable optional features available with the Switched Access Arrangements. These additional optional features are provided as Switched Transport, Common Switching, Transport Termination or Line Termination Options. (C)

Following are detailed descriptions of each of the available Feature Groups. Each 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.

The Common Switching and Transport Termination optional features, which are described in 6.4 following, are available at all Telephone Company end office switches, unless specifically stated otherwise.

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. FGA is arranged for use by the customer in the provision of its FX/ONAL service or MTS/WATS-type service.
- (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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (3) The Telephone Company shall select the first point of Switching, within the selected LATA, at which the lineside termination is to be provided unless the customer requests a different first point of switching and Telephone Company facilities and measurement capabilities are available to accommodate such a request. Feature Group A service will only be provided in switch types with technical capabilities to provide terminating call screening and individualized call billing detail for both originating and terminating traffic existing. FGA customers (Service in place prior to January 1, 1986) provided service out of offices not possessing these technical capabilities may retain their existing services and may continue to add or subtract lines. The assumed minute of use figures as specified in 6.8.8 following, effective January 1, 1986, apply. (T)
- (4) Entrance facilities are required between the serving wire center and an interexchange carrier's point of presence, or to a Telephone Company provided interstate transport capability, and the customer shall provide the connecting facility assignment (CFA) information, as defined in Section 2.6 preceding, using the industry standard Common Language Facility Identification. The CFA must include channel assignment information necessary to connect the FGA service to the interstate network. (N)
- (5) For existing FGA service installed prior to February 24, 1997, connecting facility assignment information is not required. This information must be provided if any changes or rearrangements are requested for the existing services. (N)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (6) 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. (T)

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

- (7) 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. (T)
- (8) 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. (T)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (9) FGA switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, local operator service (0- and 0+), directory assistance (411 or 555-1212, whichever is available), emergency reporting service (911), exchange telephone repair ((800) 275-2355 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 on calls to (800) 275-2355 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 general services tariffs, for local operator assistance (0- and 0+) calls, (2) calls to certain community information services, for which rates are applicable under Telephone Company local general services tariffs, e.g., 976 Network Services, and, (3) 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. Calls to community information services are permitted only where billing capability exists, i.e., sufficient billing and call detail is available to permit the billing of applicable non-access charges. For calls to Directory Assistance (411 and 555-1212 whichever is available), Switched Access Service usage rates will not apply. Instead, calls to this service are subject to the Directory Assistance Service per call rates as set forth in 9.6(B) following. (Z)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

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

(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) Toll Billing Exception
- (g) WATS Access Line Service with the following options:
 - 1) Hunt Group Arrangement
 - *2) Uniform Call Distribution Arrangement
 - *3) Nonhunting Number for use with Hunt Group or Uniform Call Distribution Arrangements
 - 4) Code Screening
 - 5) Overflow Advance Arrangement

* Available only when the WATS Access Line service is provided from a converted or equal access end office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

(Z)

(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
- (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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

(3) Switched Transport Optional Features (C)

- (a) Supervisory Signaling (as set forth in 6.1.2(A)(2)(a) preceding)
- (b) Customer Specified Entry Switch Receive Level

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

- (a) Call Forwarding
- (b) Call Waiting
- (c) Speed Calling
- (d) Remote Call Forwarding
- (e) IntraLATA extensions
- (f) Directory listings

(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 through 10. 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 Feature Groups (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 6.1.5 preceding which are included with the installation of service, additional Cooperative Acceptance Testing and Nonscheduled Testing are available for FGA as set forth in 13.3. 4. following.

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 6.4 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 Switched Transport provided.

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

(A) Description (Cont'd)

(4) The access code for FGB switching is a uniform access code. The form of the uniform access code is 950-XXXX for carriers. These uniform access codes will be the assigned access numbers of all FGB switched access service provided to the customer by the Telephone Company.

(5) FGB switching, when used in the terminating direction, may be used to access valid NXXs in the LATA, time or weather announcement services of the Telephone Company, community information services of an information service provider and other customers' services (by dialing the appropriate digits). When directly routed to an end office, only those valid NXX codes served by that end office may be accessed. When routed through an access tandem, only those valid NXX codes served by end offices subtending the access tandem may be accessed. The customer will also be billed additional non-access charges for calls to certain community information services for which rates are applicable under

(T)(x)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(5) (Cont'd)

Telephone Company local general services tariffs, e.g., 976 Network Service. Calls to community information services are permitted only where billing capability exists, i.e., sufficient billing and call detail is available to permit the billing of applicable non-access charges. 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 or 555-1212 whichever is available), service codes (800) 275-2355 and 911 or 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 411 or 555-1212, whichever is available) 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, Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option, and Trunkside BSA-101XXXX Option. When a provider of MTS and WATS subscribes to both FGB and FGD at an equal access end office or to both FGB and FGC at any end office, all such FGB, FGC, and FGD usage originating and terminating at those end office will be subject to the premium Carrier Common Line, Switched Transport, Local Switching - LS2, the Residual Interconnection Charge, and Information Surcharge rates set forth in 3.9 and 6.9.

(C)

(C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

(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, 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.

(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) WATS Access Line Service with the following options:
- 1) Hunt Group Arrangement
 - *2) Uniform Call Distribution Arrangement
 - *3) Non hunting number for use with Hunt Group or Uniform Call Distribution Arrangements
 - 4) Code Screening
 - 5) Overflow Advance Arrangement
- (d) Alternate Traffic Routing

(T)(x)

* Available only when the WATS Access Line service is provided from a converted or equal access end office.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

(2) Transport Termination Optional Features

(a) Rotary Dial Station Signaling

(3) Switched Transport Optional Features Where Available (C)

(a) Customer Specification of Switched Transport Termination (C)

(b) Supervisory Signaling (as set forth in 6.1.2(A)(2)(a) preceding.)

(c) Customer specified Entry Switch Received Level.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements
(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 through 10. 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 and 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 6.1.5 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Cooperative Scheduled Testing, Manual Scheduled Testing and Nonscheduled Testing are available for FGB as set forth in 13.3.4. following. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.3 Feature Group C (FGC)

(T)

(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 end office switching is provided in the same office. When FGD 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 switching 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.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

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

(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. Where measurement capabilities exist, the customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company local general services tariffs, e.g., 976 Network Services. Calls to community information services are permitted only where billing capability exists, i.e., sufficient billing and call detail is available to permit the billing of applicable non-access charges.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(5) (Cont'd)

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 billable 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 or 555-1212 whichever is available), service codes (800) 275-2355 and 911 and 101XXXX access codes. Calls will be completed to Directory Assistance (NPA-555-1212 or 411 or 555-1212, whichever is available) when FGC switching is combined with Directory Assistance switching. The combination of FGC Switched Access Service with DA Service is provided as set forth in 9. following. FGC may not be switched, in the terminating direction, to Switched Access Service Feature Groups B, C or D and to Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option and Trunkside BSA-101XXXX Option. (C)

- (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. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

(A) Description (Cont'd)

(1) (Cont'd)

(T)(x)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

(A) Description (Cont'd)

(7) (Cont'd)

(T)(x)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(T)(x)

(B) Optional Features

(1) Common Switching Optional Features Where Available

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Dial Pulse Address Signaling
- (d) Revertive Pulse Address Signaling
- (e) Immediate Dial Pulse Address Signaling
- (f) Alternate Traffic Routing
- (g) Panel Call Indicator Address Signaling
- (h) Code Screening for Use with WATS Access Line Service
- (i) Hunt Group Arrangement for Use with WATS Access Line Service
- (j) Uniform Call Distribution Arrangement for Use with WATS Access Line Service
- (k) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines.
- (l) Overflow Advance Arrangement for Use with WATS Access Line Service
- (m) Delay Dial Start-Pulsing Signaling
- (n) 900 Access Service

(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.)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(B) Optional Features (Cont'd)

(3) Switched Transport Optional Features (C)

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

(4) Line Termination Optional Features

(a) Dialed Number Identification Service
(b) Answer Supervision

(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 through 10, whether routed directly to an end office or to an access tandem.

Type DB Data Transmission Parameters are provided with FGC for the transmission path between the customer's premises and the end office when directly routed to the end office, and Type DB Data Transmission Parameters are provided for the transmission between the customer's premises 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 Arrangements
(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 6.1.5 preceding which are included with the installation of service, additional Cooperative Acceptance Testing, Cooperative Scheduled Testing or Manual Scheduled Testing, and Nonscheduled Testing are available as set forth in 13.3.4 following for FGC. (C)

6.2.4 Feature Group D (FGD)

(A) Description

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

Feature Group D with out of band signaling is provided where conditions permit through Telephone Company designated switches.

- (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 out of band signaling is specified.
- (3) FGD switching is provided with multifrequency address or out of band signaling. When FGD switching is used with the 950 dialing option, FGD is only available from SS7 equipped offices. Up to 12 digits of the called party number dialed by the customer's end user using dual tone multifrequency or dial pulse address signals will be provided by Telephone Company equipment to the customer's premises where the Switched Access Service terminates. Such address signals will be subject to the ordinary transmission capabilities of the Switched Transport provided.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements
(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. The customer will also be billed additional non-access charges for calls to certain community information services, for which rates are applicable under Telephone Company local general service tariffs, e.g., 976 Network Service. Calls to community information services are permitted only where billing capability exists, i.e., sufficient billing and call detail is available to permit the billing of applicable non-access charges. 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 or 555-1212 whichever is available), service codes (800) 275-2355 and 911, 101XXXX access codes or to a TRS Center. Calls will be completed to Directory Assistance (NPA-555-1212 or 411 or 555-1212, whichever is available) 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, Trunkside BSA - 950 Option, Trunkside BSA - MTS/WATS Option or Trunkside BSA-101XXXX Option. (C)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

(5) The Telephone Company will establish a trunk group or groups for the customer at end office switches or access tandem switches where FGD switching is provided. When required by technical limitations, or in the case of Switched 56 Kilobit Service and Operator Transfer Service, a separate trunk group will be established for each type of FGD switching arrangement provided. Different types of FGD or other switching arrangements may be combined in a single trunk group at the option of the Telephone Company.

(6) The access code for FGD switching is a uniform access code of the form 101XXXX. A single access code will be the assigned number of all FGD access provided to the customer by the Telephone Company. (C)
No access code is required for calls to a customer over FGD Switched Access Service if the end user's telephone exchange service is arranged for presubscription to that customer, as set forth in 4. preceding. As an option, where technically feasible, 950 on FGD may be accessed by dialing an associated uniform 950-XXXX access code. When used with the 950 dialing option, FGD is only available with SS7 signaling equipped offices.

Where no access code is required, the number dialed by the customer's end user shall be a seven or ten digit number for calls in the North American Numbering Plan (NANP), except for 00- dialed calls which are routed to the predesignated customer. 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.

When the 101XXXX access code is used, FGD switching (C) 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 the 101XXXX 1+ or 011+ sent-paid access code (C) is dialed from a Telephone Company pay telephone to a customer that has not ordered per 6.4.2(B) or (C) following, the calls will be routed to a Telephone Company recording.

Rates and charges applicable to 950 on FGD service are as specified in Section 6.9.2 following.

In addition, customers who order 950 on FGD service from the effective date of this tariff until January 31, 1998 will only pay fifty percent of the (C) appropriate nonrecurring charge.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (7) At the option of the customer, Switched 56 Kilobit Service as specified following is available for use with Trunkside BSA-101XXXX Option and Feature Group D. Switched 56 Kilobits traffic is ordered as set forth in 5.2 preceding and is delivered to the customer via separate Trunkside BSA-101XXXX Option or FGD trunks capable of or FGD trunks capable of supporting 56 Kbps digital transmission. (C)

Switched 56 Kilobit service is an arrangement whereby customers may receive, or send, data at a speed of 56 Kbps from designated switches over dedicated trunks. The number dialed by the customer's end user shall be a seven or ten digit number in the form of NXX-XXXX, 1+NXX-XXXX, 101XXXX+NXX-XXXX, NPA+NXX-XXXX, 1+NPA+NXX-XXXX, or 101XXXX+NPA+NXX-XXXX and when the end office is equipped for International Direct Distance Dialing (IDDD), 011+CC+NN. (C)

All rates and charges normally applicable to Trunkside BSA-101XXXX Option and Feature Group D, i.e., non-recurring, monthly recurring, and usage sensitive apply to Switched 56 Kilobit Service. Additionally, a per Switched 56 Kilobit access minute of use charge specified in 6.1.2 (9) preceding and 6.9.7 following, apply to Switched 56 Kilobit Service. (C)

This option is not available in combination with out of band signaling.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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

(A) Description (Cont'd)

- (8) At the option of the customer, Operator Transfer Service as specified following is available for use with Feature Group D. Operator Transfer Service is ordered as set forth in 5.2 preceding and is provided to the customer via separate FGD trunks dedicated to Operator Transfer Service traffic. (T)(M)

Operator Transfer Service is an arrangement in which Telephone Company operators transfer 0 minus end user dialed calls, i.e., the end user dials 0 with no additional digits, to the customer designated by the end user.

The operator transfer function will be performed in the following manner:

- The operator answers the end user 0 minus dialed call.
- Initially, the Operator will direct the end user to dial the interexchange carrier on a direct basis. If the end user insists that the Operator complete the call, the operator will ask the end user to identify the Operator Services Provider or customer to which they desire to be connected. The operator will then transfer the call to the designated service provider.
- If the end user has no preference, or the identified service provider has not subscribed to Operator Transfer Service, the end user will be asked to select from a list of available service providers.

The list of available Operator Transfer Service customers will be updated monthly. The order in which customers will be read to end users will be initially determined by lottery. For each subsequent monthly update, following the initial order selection, the customer in the first position on the list will be moved to the last position on the list. All other customers on the list will be moved up one position, e.g., 3rd to 2nd, 2nd to 1st, etc. New Operator Transfer Service customers will be placed at the bottom of the list of customers pending the next monthly update. (M)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (T)
(Cont'd)

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

(A) Description (Cont'd)

(8) (Cont'd) (T)

0 minus Public Coin calls will be transferred to the end user designated customer. When the call is coin sent-paid, the customer, in order to accept such calls, will be required to order signaling as specified in TR-TSY-000506 and TR-NPL-00258. The customer may receive inband, multi-wink, or expanded inband coin control signaling, where available, from end offices served by an Operator Services Access Point. Different signalling types cannot be mixed on a single trunk group.

All rates and charges normally applicable to Feature Group D, i.e., non-recurring, monthly recurring, and usage sensitive, apply to Operator Transfer Service. Additionally, a charge as specified in 6.1.2(B)(10) preceding, and 6.9.8 following, is assessed the customer per 0 minus call transferred. (T) (M)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (T)
(Cont'd)

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

(B) Optional Features (M)

(1) Common Switching Optional Features

- (a) Automatic Number Identification (ANI)
- (b) Service Class Routing
- (c) Alternate Traffic Routing
- (d) International Carrier Option
- (e) Code 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
- (h) Nonhunting Number for Use with Hunt Group Arrangement or Uniform Call Distribution Arrangement for Use with WATS Access Lines
- (i) Overflow Advance Arrangement for Use with WATS Access Line Service
- (j) Calling Party Number * +
- (k) Charge Number *
- (l) Carrier Selection Parameter * ++
- (m) Access Transport Parameter * ++
- (n) Flexible Automatic Number Identification (Flex ANI)
- (o) 900 Access Service
- (p) Carrier Identification Parameters (CIP) * ++
- (q) 950-XXXX Dialing On FGD* (N)

(2) Transport Termination Optional Features

- (a) Operator Trunk, Full Feature Arrangement (M)

- + CPN is not offered in Pennsylvania and/or where it is not technically feasible.
- ++ Available only at selected Telephone Company switches.
- * Available only on originating FGD.

Material appearing on this page formerly appeared on Page 177.
Material formerly appearing on this page now appears on Page 176.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (T)
(Cont'd)

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

(B) Optional Features (Cont'd)

(3) Switched Transport Optional Features

- (a) Supervisory signaling (as set forth in 6.1.2(A)(6)(a) preceding).
- (b) Customer Specified Entry Switch Receive Level (as set forth in 6.1.2(A)(6)(b) preceding).
- (c) Customer Specification of Switched Transport Termination (as set forth in 6.1.2(A)(6)(c) preceding).
- (d) Tandem to End Office Re-Route Option (as set forth in 6.1.2(A)(6)(d) preceding).
- (e) Out of band signaling (as set forth in 6.1.2(A)(6)(e) preceding).

(4) Line Termination Optional Features

- (a) Dialed Number Identification Service
- (b) Answer Supervision (M)

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Material formerly appearing on this page now appears on Page 176.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Provision and Description of Switched Access Service Arrangements (T)
(Cont'd)

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

(C) Transmission Specifications

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

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

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

900 Access Service traffic originating from equal access end offices with six digit translation capability, and for 500 Access Service and Toll Free Data Base Access Service traffic originating from end offices with Data Base query functionality, all normal Feature Group D parameters apply.

500 Access Service, Toll Free Data Base Access Service, and 900 Access Service, traffic originating from all other end offices, Type A Transmission Specifications are provided for the facility between the access tandem and the customer's premises.

Feature Group D trunks equipped for Switched 56 Kilobit Service traffic are subject to the following transmission specification:

- Transmission rate is 56 Kbps full duplex

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

(T)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Switched Transport Facilities

Customers requesting Lineside or Trunkside Switched Access service must specify the type of Collocated Interconnection Cross-connects pursuant to Section 19 following, Entrance Facility, or DS3, DS1, or Voice Grade between the customer's facilities or Collocated Interconnected arrangement and the SWC. The customer must also specify if Direct Trunked Transport or Tandem Switched Transport is desired. Tandem Switched Transport is not available for Lineside Switched Access Service. If Direct Trunked Transport is requested, the customer must specify the type of Direct Trunked Transport facility, IDSR, ISAN, ISSP, DS3, DS1, or Voice Grade to be utilized. If Tandem Switched Transport is requested, the Telephone Company shall determine the type of facilities to be utilized from the SWC of the customer's facilities to the end office, via the access tandem, based on the customer's order for service on a busy hour minutes of capacity or on a per trunk basis. (T)

There are several types of facilities, IEF, IDSR, ISAN, ISSP, DS3, DS1, or Voice Grade, available to the customer for Entrance Facilities and Direct Trunked Transport facilities for Lineside or Trunkside Switched Access service. Following is a brief description of each type of facility. Each type as well as Collocated Interconnection Cross-connects as specified in Section 19 has its own characteristics and is available with multiplexing options as set forth in 6.1.2(A)(7)(b) preceding. (T)

(a) Voice Grade Facility

A Voice Grade facility is an electrical communications path, which provides voice-frequency transmission in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Compatible Interface Groups are described in 6.1.2(A)(6) preceding.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Switched Transport Facilities (Cont'd)

(b) DS1 Facility

DS1 facilities are available for Entrance Facilities and for Direct Trunked Transport facilities. A DS1 facility is capable of transmitting electrical signals at a nominal 1.544 Mbps, with the capability to channelize up to 24 voice-frequency transmission paths. Compatible Interface Groups are described in 6.1.2(A)(6) preceding.

(M)

(c) DS3 Facility

DS3 facilities are available for Entrance Facilities and Direct Trunked Transport facilities. A DS3 facility is capable of transmitting electrical signals at a nominal 44.736 Mbps, with the capability to channelize up to 672 voice-frequency transmission paths. Compatible Interface Groups are described in 6.1.2(A)(6) preceding.

(M)

(M) Certain material now appearing on this page formerly appeared on Page No. 178.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Switched Transport Facilities (Cont'd)

(d) IntelliLight Entrance Facilities (IEF) (T)

IEF facilities are available for Entrance Facilities and (T)
Direct Trunk Transport. An IEF facility is capable of (T)
providing unlimited quantities of STS1s, STS3s or
STS12s. An IEF facility may require both a termination (T)
and an interface. IEF facilities are described in more (T)
detail in Section 6.8.25 following. (T)

(e) IntelliLight Dedicated SONET Ring (T)

IDSR facilities are available for Entrance Facilities
and/or Direct Trunked Transport facilities. An IDSR
facility is capable of transmitting signals in ring
capacities of OC3, OC12, and OC48. In addition, an
OC12/3 node is available on OC12 IDSRs.

(f) IntelliLight Shared Assurance Network (T)

ISAN facilities are available for Entrance Facilities
and for Direct Trunked Transport facilities. The ISAN
transport channel is capable of transmitting electrical
signals at a nominal 1.544 Mbps, with the capability to
channelize up to 24 voice-frequency transmission paths.
Compatible Interface Groups are described in 6.1.2(A)(6)
preceding.

(g) IntelliLight Shared Single Path (ISSP) (T)

ISSP facilities are available for Entrance Facilities (T)
and Direct Trunked Transport facilities. An ISSP (T)
facility is capable of transmitting electrical payload
signals at a nominal 44.736 Mbps, with the capability to
channelize up to 672 voice-frequency transmission paths.
Compatible Interface Groups are described in 6.1.2(A)(6)
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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.5 Switched Transport Facilities (Cont'd)

Beginning August 7, 1998, the Telephone Company will no longer offer DS3C with an optical interface in response to new requests. All new requests for DS3 optical interfaces will be provisioned over SONET transmission devices. The new optical option is DS3 SONET Optical Interface (SOI). Those DS3 services provisioned prior to August 7, 1998, with Telephone Company provided Optical Line Terminating Equipment (OLTE) located in the Serving Wire Center, will continue to be provided and maintained. A more detailed description of DS3 SONET Optical Interface is included in Section 7.2.9(A) following.

When the customer has ordered Trunkside BSA-101XXXX Option or Feature Group D with out of band signaling as set forth in 6.1.2(A)(6)(e) preceding, the Telephone Company will provide out of band signaling in accordance with the technical specifications set forth in Bell Atlantic Supplement Common Channel Signaling (CCS) Network Interface Specification Issue #1 December 1990, and Supplement, August 1992, and Technical References TR-TSV-000905, July 1989, and TR-TSV-000962, Issue 1, September 1990, and as specified in sections 6.1.2 and 6.4.1.

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

(Z)

6.2.6 Reserved for Future Use

(Z)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.6 Reserved for Future Use (Cont'd) (Z)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

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

6.2.6 Reserved for Future Use (Cont'd) (Z)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Reserved for Future Use (Cont'd)

(T)

6.2.6 Reserved for Future Use

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Reserved for Future Use (Cont'd)

(T)

6.2.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Reserved for Future Use (Cont'd)

(T)

6.2.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Reserved for Future Use (Cont'd)

(T)

6.2.6 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

6. Switched Access Service (Cont'd)

6.2 Reserved for Future Use (Cont'd)

(T)

6.2.7 Reserved for Future Use

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(T)

6.2.8 Reserved for Future Use

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(T)

6.2.9 Reserved for Future Use

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6. Switched Access Service (Cont'd)

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(T)

6.2.9 Reserved for Future Use (Cont'd)

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